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

December 9, 2020

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

RE: **Notice of Exempt Modification for AT&T - 876384**
798 Toby Hill Road, Westbrook, CT 06498
Latitude: 41° 19′ 12.60″ / Longitude: -72° 26′ 30.00″

Dear Ms. Bachman:

AT&T currently maintains nine (9) antennas at the 130-foot mount on the existing 150-foot Monopole Tower, located at 798 Toby Hill Road, Westbrook, CT. The property is owned by Toby Hill Farm LLC and the Tower is owned by Crown Castle. AT&T now intends to remove and replace six (6) existing antennas with six (6) new antennas. The new antennas will be installed at the 130-ft level of the tower. AT&T is also proposing to pour a new concrete pad within their leased area on the ground to house additional ground equipment. This modification/proposal 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.

The facility was approved by the Town of Westbrook Planning & Zoning Commission on May 23, 2000. The approval was given with conditions that were met.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Noel Bishop, First Selectman for the Town of Westbrook, Eric Knapp, Planning & Zoning Development Coordinator, Toby Hill Farm LLC as the property owners and Crown Castle is the tower owner.

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

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

3. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, 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 Park Drive, Suite 101
Clifton Park, NY 12065
(201) 236-9224
AnneMarie.Zsamba@crowncastle.com

Attachments
cc:

The Honorable Noel Bishop, First Selectman (*via email only to nbishop@westbrookct.us*)
Town of Westbrook
866 Boston Post Road
Westbrook, CT 06498

Eric Knapp, Planning & Zoning Development Coordinator (*via email only to eknapp@westbrookct.us*)
Town of Westbrook
866 Boston Post Road
Westbrook, CT 06498

Toby Hill Farm LLC
PO Box 700
Westbrook, CT 06498

Crown Castle, Tower Owner

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 ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

From: Zsamba, Anne Marie
To: "eknapp@westbrookct.us"
Subject: Notice of Exempt Modification - AT&T - 798 Toby Hill Road, Westbrook
Date: Wednesday, December 9, 2020 12:08:00 PM
Attachments: EM-AT&T-798 Toby Hill Road-Westbrook-876384-notice.pdf

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Dear Mr. Knapp:

Attached please find AT&T's exempt modification application that is being submitted to the Connecticut Siting Council today, December 9, 2020.

In light of the present circumstances with Covid-19, The Council has advised that electronic notification of this filing is acceptable. If you could kindly confirm receipt. Thank you.

Best,
Anne Marie Zsamba

ANNE MARIE ZSAMBA
Site Acquisition Specialist
T: (201) 236-9224
M: (518) 350-3639
F: (724) 416-6112

CROWN CASTLE
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
CrownCastle.com

From: Zsamba, Anne Marie
To: "nbishop@westbrookct.us"
Subject: Notice of Exempt Modification - AT&T - 798 Toby Hill Road, Westbrook
Date: Wednesday, December 9, 2020 12:07:00 PM
Attachments: EM-AT&T-798 Toby Hill Road-Westbrook-876384-notice.pdf

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Dear First Selectman Bishop:

Attached please find AT&T's exempt modification application that is being submitted to the Connecticut Siting Council today, December 9, 2020.

In light of the present circumstances with Covid-19, The Council has advised that electronic notification of this filing is acceptable. If you could kindly confirm receipt. Thank you.

Best,
Anne Marie Zsamba

ANNE MARIE ZSAMBA
Site Acquisition Specialist
T: (201) 236-9224
M: (518) 350-3639
F: (724) 416-6112

CROWN CASTLE
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
CrownCastle.com

Exhibit A

Original Facility Approval

TOWN OF WESTBROOK
ZONING

P.O. BOX G
WESTBROOK, CONNECTICUT 06498-0676
(860) 399-3046 • FAX (860) 399-9568

May 25, 2000

Donald Duthaler, Jr.
O'Brien & Gere Engineers, Inc.
Raritan Plaza 1
Edison, NJ 08837

RE: Special Permit/Site Plan application from Sprint Spectrum LP for a telecommunications facility at Toby Hill Road

Dear Mr. Duthaler:

At its meeting of May 23, 2000 the Westbrook Zoning Commission took the following action on the above named application:

APPROVED: To approve the Special Permit application for a telecommunications facility at Toby Hill Road as shown in drawing entitled " Site Plans Sprint PCS Site #CT 33XC548 Orsina Property Toby Hill Road Westbrook, Connecticut" dated October 26, 1999, prepared by Vanasse Hangen Brustlin, Inc.

A mylar and three (3) copies of the Site Plan must be delivered to the Zoning Office. Please include an approval signature block on these plans.

Sincerely,

James R. Taylor

James R. Taylor
Zoning Enforcement Officer

Cc: Town Clerk
Assessor
Building Dept.

JRT:cgg

CERTIFIED MAIL # Z 033 664 069

TOWN OF WESTBROOK
INLAND WETLANDS AND WATERCOURSES

P.O. BOX G
WESTBROOK, CONNECTICUT 06498-0676
(203) 399-3046

April 17, 2000

Sprint Spectrum, L.P.
One International Blvd.
Suite 800
Mahwah, NJ 07495

Re: Toby Hill Rd, Map 67, Lot 70, Westbrook, CT –Construction of Telecommunication Facility, 150-foot monopole tower

Ladies and Gentlemen:

At the last regular meeting of the Westbrook Inland Wetlands & Watercourses Commission on Tuesday, April 4, 2000, it was voted to approve the above-referenced application with the following stipulations:

To approve this activity with the following 5 stipulations:

1. A reference point denoting the water elevation will be outside the construction area
2. Asphalt will be used on downhill section of road, starting where drainage swale is and continuing to drainage basin #4, with 2" stone on embankments
3. Soil and erosion control measures must be shown on the plans
4. Detailed sequence of wetland crossing dewatering plan must be on file in the Town Hall Wetland Office at least 5 days prior to the start of dewatering
5. Inland Wetland Enforcement Officer must be notified prior to the start of construction so she may monitor the process.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Heidi K. Wallace

Heidi K. Wallace
Inland Wetland Enforcement Officer
Town of Westbrook

Exhibit B

Property Card

798 TOBY HILL RD

Location	798 TOBY HILL RD	**Mblu**	134/ / 010/ /
Acct#	O0268700	**Owner**	TOBY HILL FARM LLC
Assessment	$31,690	**Appraisal**	$186,910
PID	2783	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2016	$42,490	$144,420	$186,910

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2016	$29,740	$1,950	$31,690

Owner of Record

Owner	TOBY HILL FARM LLC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	PO BOX 700 WESTBROOK, CT 06498	**Book & Page**	0337/0439
		Sale Date	11/05/2015

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
TOBY HILL FARM LLC	$0		0337/0439	11/05/2015
TOBY HILL FARM LLC	$0		0327/0637	12/12/2013
ORSINA PAUL J TRUSTEE	$0		0136/0480	01/01/1901

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:

Replacement Cost
Less Depreciation: $0

Building Attributes	
Field	**Description**
Style	Outbuildings
Model	
Grade:	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Extra Kitchens	
Fireplace(s)	
Usrfld 103	
Gas Fireplace(s)	
Stacks	
Bsmt Garage(s)	
Usrfld 107	
Callback	
Fireplaces	
Fin Bsmnt	
Fin Bsmnt Qual	
Bsmt Heat	
Int Vs Ext	
Usrfld 300	

Building Photo

(http://images.vgsi.com/photos2/WestbrookCTPhotos//default.jpg)

Building Layout

Building Layout
(http://images.vgsi.com/photos2/WestbrookCTPhotos//Sketches/2783_278

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

Usrfld 301	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	610
Description	Forest
Zone	RR
Neighborhood	0050
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	11.59
Depth	
Assessed Value	$1,950
Appraised Value	$144,420

Special Land			
Land Use Code	**Land Use Description**	**Units**	**Unit Type**
610	Forest	2	AC
610	Forest	9	AC

Outbuildings

Outbuildings							Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**	**Comment**
TCM	Telecomm			75.00 S.F.&HGT	$2,490	1	
TCS	Telecomm Site			0.00 UNITS	$0	1	
TCM	Telecomm			0.00 S.F.&HGT	$20,000	1	
TCM	Telecomm			1.00 S.F.&HGT	$20,000	1	

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$42,490	$144,420	$186,910
2018	$2,490	$144,400	$146,890
2017	$2,490	$144,400	$146,890

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$29,740	$1,950	$31,690
2018	$1,740	$1,950	$3,690
2017	$1,740	$1,950	$3,690


Toby Hill Rd
798 Toby Hill Road
Toby Hill Rd
Toby Hill Rd

Exhibit C

Construction Drawings

AT&T

AT&T SITE NUMBER:	**45340**
AT&T SITE NAME:	**CTL05886**
AT&T FA CODE:	**10071349**
AT&T PACE NUMBER:	**MRCTB048493, MRCTB048561, MRCTB048602, MRCTB048572, MRCTB048523**
AT&T PROJECT:	**LTE 2C/3C/4C/5GNR**
BUSINESS UNIT #:	**876384**
SITE ADDRESS:	**798 TOBY HILL ROAD WESTBROOK, CT 06498**
COUNTY:	**MIDDLESEX**
SITE TYPE:	**MONOPOLE**
TOWER HEIGHT:	**150'-0"**

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	WESTBROOK / ORSINA
SITE ADDRESS:	798 TOBY HILL ROAD WESTBROOK, CT 06498
COUNTY:	MIDDLESEX
MAP/PARCEL #:	WBRO-000026-008700-O000000
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 19' 12.60"
LONGITUDE:	-72° 26' 30.00"
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	164 FT.
CURRENT ZONING:	RR
JURISDICTION:	TOWN OF WESTBROOK
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TOBY HILL FARM LLC PO BOX 700 WESTBROOK, CT 06498
TOWER OWNER:	GLOBAL SIGNAL ACQUISITIONS II LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	AT&T TOWER ASSET GROUP 575 MOROSGO DRIVE ATLANTA, GA 30324-3300
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO (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	EXISTING & FINAL EQUIPMENT PLANS
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	FINAL EQUIPMENT SCHEDULE
C-4	EQUIPMENT MOUNTING DETAILS
C-5	EQUIPMENT SPECS
G-1	GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM

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!

LOCATION MAP

NO SCALE

SITE PHOTO

PROJECT TEAM

A&E FIRM:	POD 11490 BLUEGRASS PARKWAY LOUISVILLE, KY 40299 (502) 437-5252
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065
	VERONICA DELIA - PROJECT MANAGER (610) 635-3222
	JASON D'AMICO - CONSTRUCTION MANAGER (860) 209-0104
	NICHOLAS ROMBACH - A&E SPECIALIST NICHOLAS.ROMBACH@CROWNCASTLE.COM

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

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 (3) POWERWAVE TECH - 7770 ANTENNAS
- REMOVE (1) POWERWAVE TECH - P65-16-XLH-RR ANTENNA
- REMOVE (1) KMW COMM - AMX-CD-16-65-00T-RET ANTENNA
- REMOVE (1) ANDREW - DBXNH-6565B-R2M ANTENNA
- REMOVE (3) ERICSSON - RRUS-11 B12 RRUs
- REMOVE (6) POWERWAVE - LGP-21401 TMAS
- RELOCATE (3) UMTS RET SMART EQUIPMENT
- INSTALL (3) CCI - DMP65R-BU6DA ANTENNAS
- INSTALL (3) CCI - OPA65R-BU6DA ANTENNAS
- INSTALL (3) ERICSSON - 4449 B5/B12 RRUs
- INSTALL (3) ERICSSON - 8843 B2/B66A RRUs
- INSTALL (3) ERICSSON - 4478 B14 RRUs
- INSTALL (1) RAYCAP - DC6-48-60-18-8F SQUID
- INSTALL (3) VALMONT - RRUDSM BACK TO BACK MOUNTS
- INSTALL (2) #6AWG DC CABLES
- INSTALL (1) 18-PAIR FIBER CABLE
- INSTALL (6) Y-CABLES FOR DUAL BAND RRUs

GROUND SCOPE OF WORK:
- INSTALL (1) 6630 BASEBAND
- INSTALL (1) XMU
- INSTALL (1) IDLE CABLE
- INSTALL (1) 19" DISTRIBUTION SHELF
- POUR 4'-0"x4'-0" CONCRETE PAD
- INSTALL NEW PURCELL FLX-12 CABINET

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: DATED:	CROWN CASTLE USA INC. OCTOBER 19, 2020
MOUNT ANALYSIS: DATED:	POD GROUP OCTOBER 14, 2020
AC ELECTRICAL POWER DESIGN: DATED:	BY OTHERS
RFDS REVISION: DATED:	PRELIMINARY 08/14/20
ORDER ID: REVISION:	527515 0

NOTE:
THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. AT&T IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.

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

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

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

AT&T SITE NUMBER: **45340**

BU #: **876384**
WESTBROOK / ORSINA

798 TOBY HILL ROAD
WESTBROOK, CT 06498

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	10/30/20	AMM	PRELIMINARY	RO
0	11/19/20	TMP	CONSTRUCTION	MEP

STATE OF CONNECTICUT
MARK ALLEN PATTERSON
No. 31284
LICENSED PROFESSIONAL ENGINEER

11/19/2020

SHEET NUMBER:	REVISION:
T-1	0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
   CARRIER: 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.

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
   4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
   4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON–PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER–ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "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
	GROUND	GREEN
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
DC VOLTAGE	POS (+)	RED**
	NEG (–)	BLACK**

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

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

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

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

AT&T SITE NUMBER: **45340**

BU #: **876384**
WESTBROOK / ORSINA

798 TOBY HILL ROAD
WESTBROOK, CT 06498

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

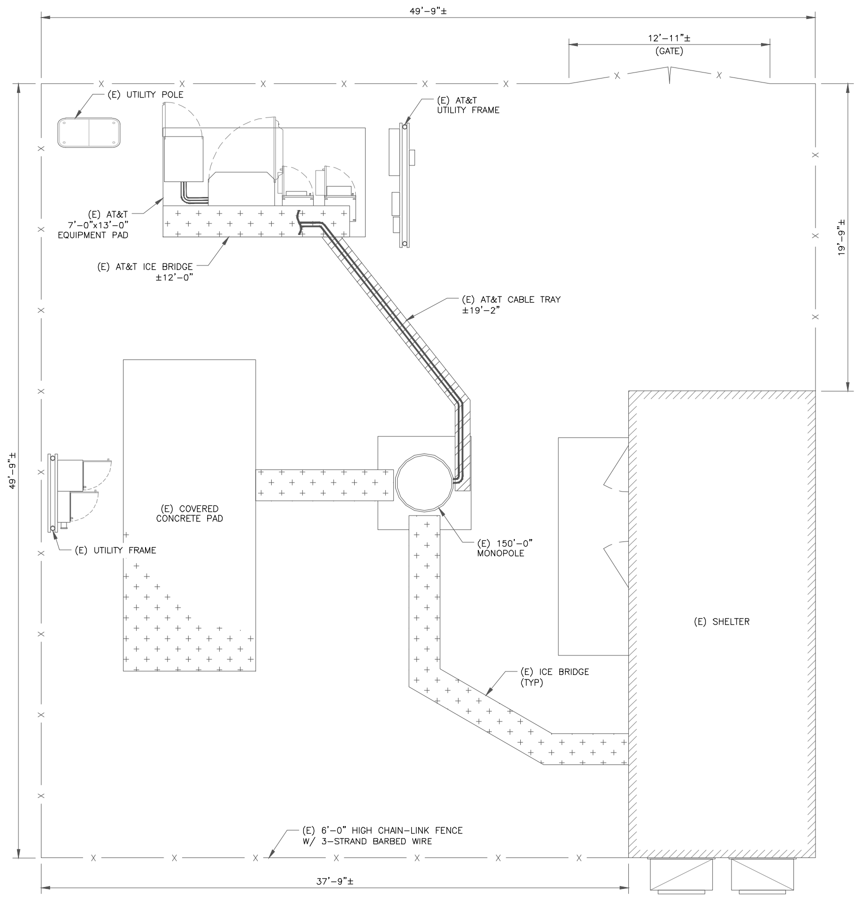
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	10/30/20	AMM	PRELIMINARY	RO
0	11/19/20	TMP	CONSTRUCTION	MEP

STATE OF CONNECTICUT
MARK E. PATTERSON
No. 31284
LICENSED
PROFESSIONAL ENGINEER

11/19/2020

SHEET NUMBER: T-2

REVISION: 0



1 SITE PLAN

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

N

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

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REV	DATE	DRWN	DESCRIPTION	DES./QA
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0	11/19/20	TMP	CONSTRUCTION	MEP

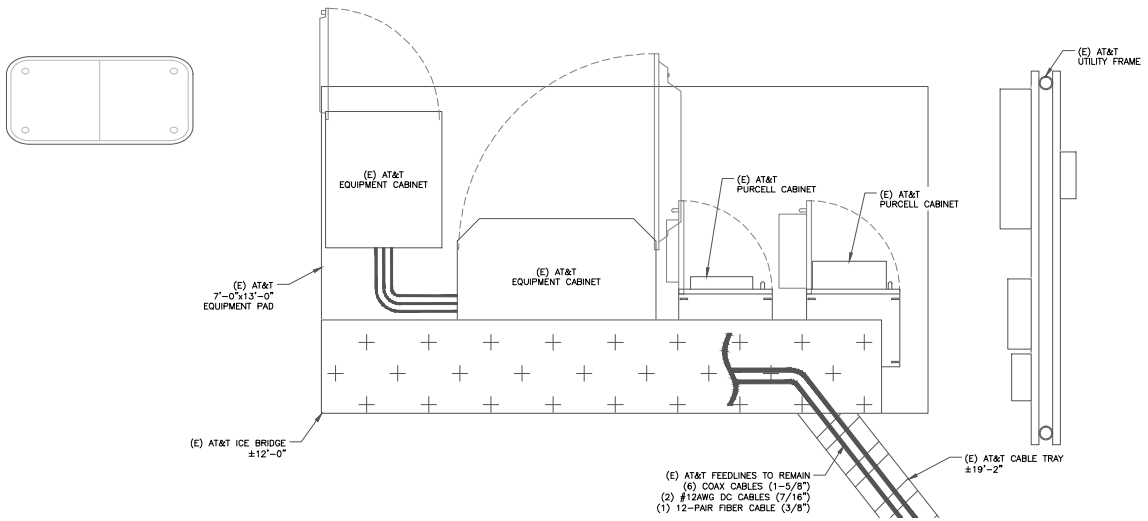
STATE OF CONNECTICUT
MARK E. PATTERSON
No. 31284
LICENSED PROFESSIONAL ENGINEER

11/19/2020

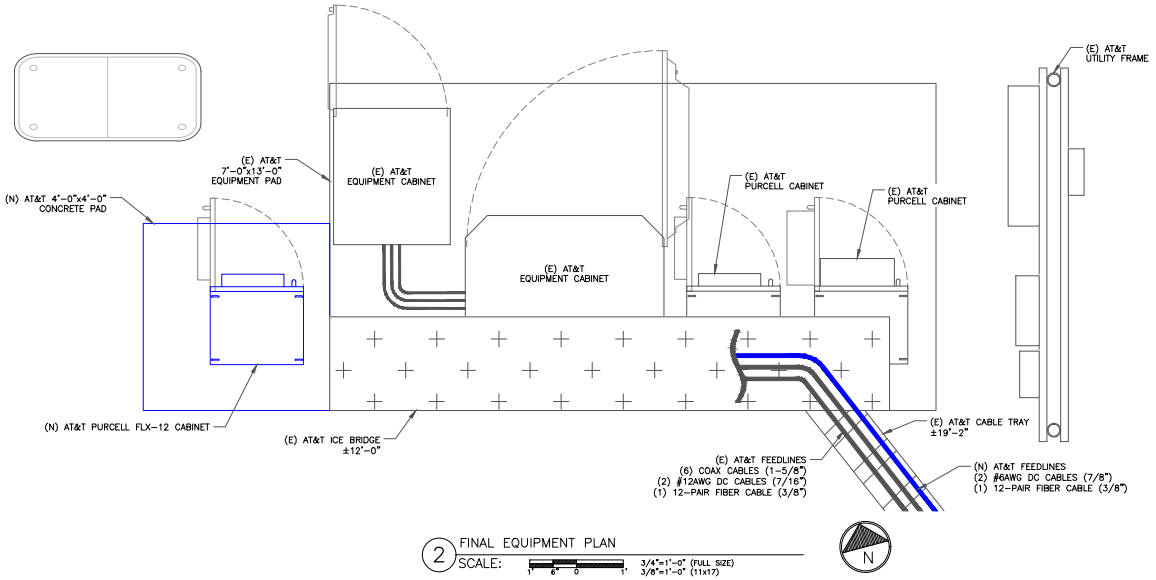
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: C-1.1

REVISION: 0



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



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

GROUND SCOPE OF WORK:

- INSTALL (1) 6630 BASEBAND
- INSTALL (1) XMU
- INSTALL (1) IDLE CABLE
- INSTALL (1) 19" DISTRIBUTION SHELF
- POUR 4'-0"x4'-0" CONCRETE PAD
- INSTALL NEW PURCELL FLX-12 CABINET

NOTE:

THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. AT&T IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.

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

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

AT&T SITE NUMBER: **45340**

BU #: **876384**
WESTBROOK / ORSINA

798 TOBY HILL ROAD
WESTBROOK, CT 06498

EXISTING 150'-0" MONOPOLE

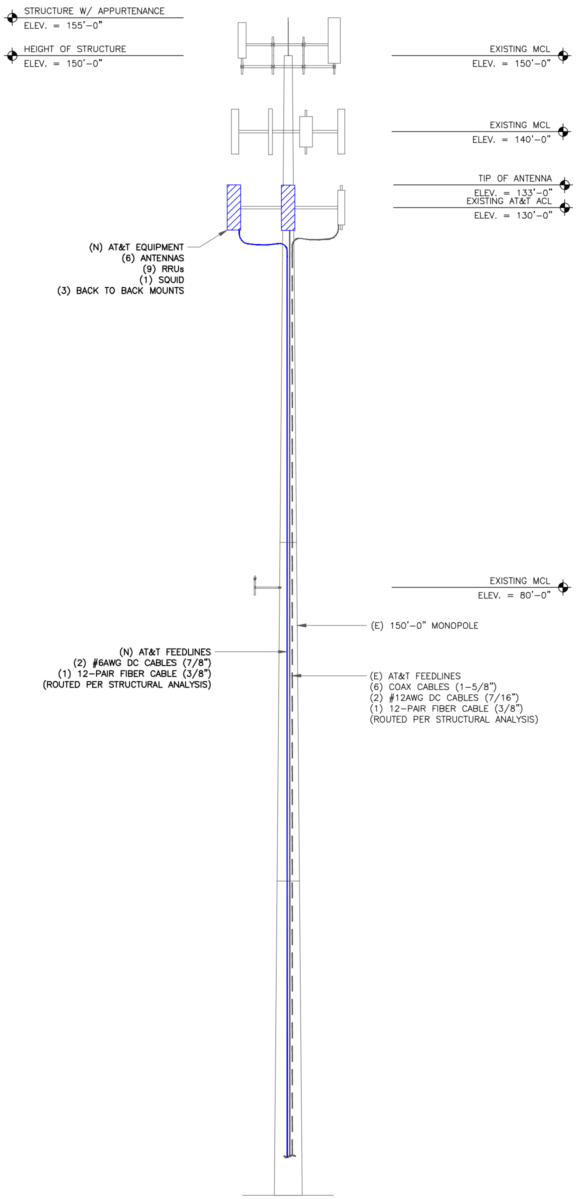
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	10/30/20	AMM	PRELIMINARY	RO
0	11/19/20	TMP	CONSTRUCTION	MEP

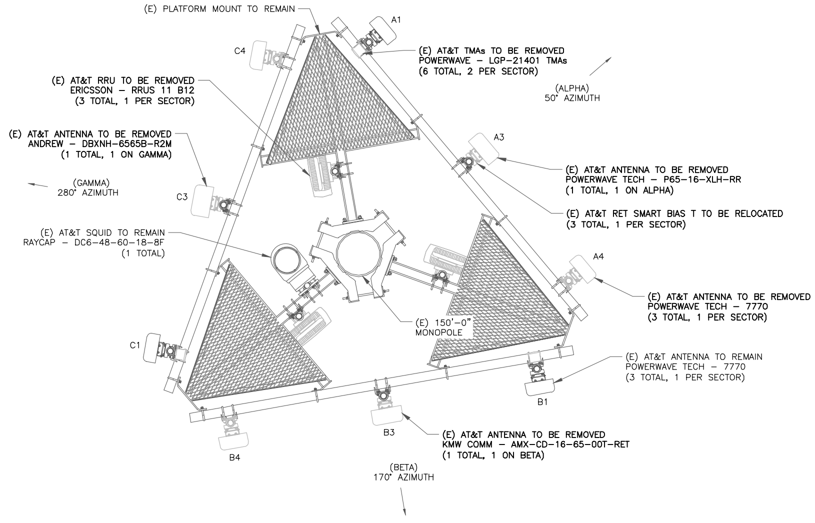
STATE OF CONNECTICUT
MARK E. PATTERSON
No. 31284
LICENSED PROFESSIONAL ENGINEER

11/19/2020

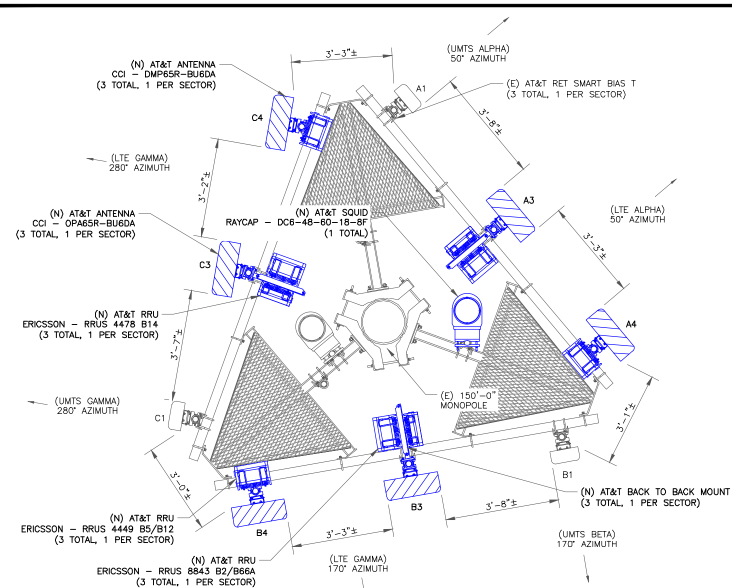
SHEET NUMBER: C-1.2
REVISION: 0



1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: 1/2"=1'-0" (FULL SIZE) 1/4"=1'-0" (11x17)



3 FINAL ANTENNA PLAN
SCALE: 1/2"=1'-0" (FULL SIZE) 1/4"=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.

INSTALLER 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. 3'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE ANTENNAS ON SAME SECTOR.
5. 6'-0" MINIMUM DISTANCE REQUIRED BETWEEN 700BC & 700DE ANTENNAS ON SAME SECTOR.
6. 4'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE 700 ANTENNAS ON OPPOSING SECTORS.
7. ALL ANTENNA MEASUREMENT DISTANCES MUST BE EDGE TO EDGE (RELOCATE ANTENNAS AS NEEDED).
8. 8" MINIMUM DISTANCE REQUIRED BETWEEN ANTENNA & RADIO. SEE GENERIC EXAMPLE DETAIL ON SHEET C-4.

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

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

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

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SHEET NUMBER: C-2

REVISION: 0

FINAL EQUIPMENT SCHEDULE
(VERIFY WITH CURRENT RFDS)

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
ALPHA																		
A1	UMTS 850/PCS	(E) POWERWAVE TECH 7770	50°	130'-0"	–	–	–	2	(E)	GROUND	–	–	–	–	2	(E) COAX	1-5/8"	180'-0"
A2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
A3	LTE 700/PCS	(N) CCI OPA65R-BU6DA	50°	130'-0"	1	(N) RRUS 4478 B14	TOWER	–	–	–	–	–	1	(E) DC6-48-60-18-8F	2	(E) DC	#12AWG	180'-0"
					1	(N) RRUS 8843 B2/B66A	TOWER								1	(E) FIBER	12-PAIR	180'-0"
A4	LTE 700/AWS, LTE/5G 850	(N) CCI DMP65R-BU6DA	50°	130'-0"	1	(N) RRUS 4449 B5/B12	TOWER	–	–	–	–	–	–	–	–	–	–	–
BETA																		
B1	UMTS 850/PCS	(E) POWERWAVE TECH 7770	170°	130'-0"	–	–	–	2	(E)	GROUND	–	–	–	–	2	(E) COAX	1-5/8"	180'-0"
B2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B3	LTE 700/PCS	(N) CCI OPA65R-BU6DA	170°	130'-0"	1	(N) RRUS 4478 B14	TOWER	–	–	–	–	–	1	(N) DC6-48-60-18-8F	2	(N) DC	#6AWG	180'-0"
					1	(N) RRUS 8843 B2/B66A	TOWER								1	(N) FIBER	12-PAIR	180'-0"
B4	LTE 700/AWS, LTE/5G 850	(N) CCI DMP65R-BU6DA	170°	130'-0"	1	(N) RRUS 4449 B5/B12	TOWER	–	–	–	–	–	–	–	–	–	–	–
GAMMA																		
C1	UMTS 850/PCS	(E) POWERWAVE TECH 7770	280°	130'-0"	–	–	–	2	(E)	GROUND	–	–	–	–	2	(E) COAX	1-5/8"	180'-0"
C2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
C3	LTE 700/PCS	(N) CCI OPA65R-BU6DA	280°	130'-0"	1	(N) RRUS 4478 B14	TOWER	–	–	–	–	–	–	–	–	–	–	–
					1	(N) RRUS 8843 B2/B66A	TOWER											
C4	LTE 700/AWS, LTE/5G 850	(N) CCI DMP65R-BU6DA	280°	130'-0"	1	(N) RRUS 4449 B5/B12	TOWER	–	–	–	–	–	–	–	–	–	–	–

NOTE:
(E) – EXISTING
(N) – NEW

1 FINAL EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

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

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

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

AT&T SITE NUMBER: **45340**

BU #: **876384**
WESTBROOK / ORSINA

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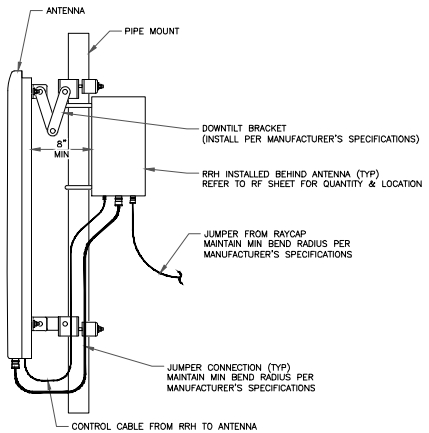
STATE OF CONNECTICUT
MARK E. PATTERSON
No. 31284
LICENSED PROFESSIONAL ENGINEER

11/19/2020

SHEET NUMBER: C-3
REVISION: 0



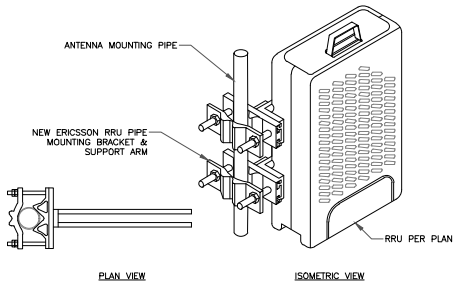
1 GENERIC ANTENNA MOUNTING ELEVATION
SCALE: NOT TO SCALE

ERICSSON RRU MOUNTING KIT:

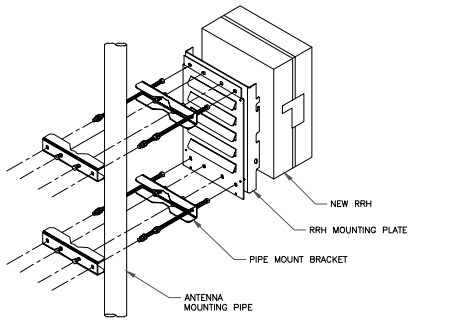
SXK 107 2839/1: SINGLE RRU SUPPORT KIT (PART # 5335) (OR ENGINEER APPROVED EQUIVALENT)
SXK 107 2839/2: EXPANSION KIT (PART # 5336) (OR ENGINEER APPROVED EQUIVALENT)

MOUNTING NOTES:

REFER TO PRODUCT SPECS FOR BOLT SIZE & PIPE DIAMETER TOLERANCES. THE PART NO. SXK107-2839/2 IS REQUIRED FOR (2) RRUS.



2 ERICSSON – SXK 107 2839
SCALE: NOT TO SCALE

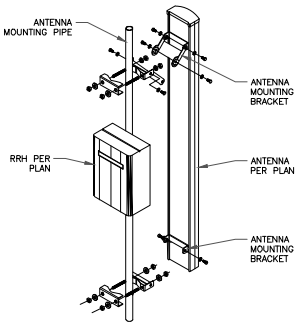


NOTE:
ANTENNA NOT SHOWN FOR CLARITY

3 SINGLE RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

INSTALLER NOTES:

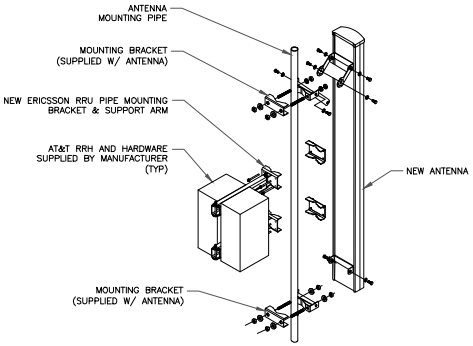
1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRH PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.



4 ANTENNA WITH RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

INSTALLER NOTES:

1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRH PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.

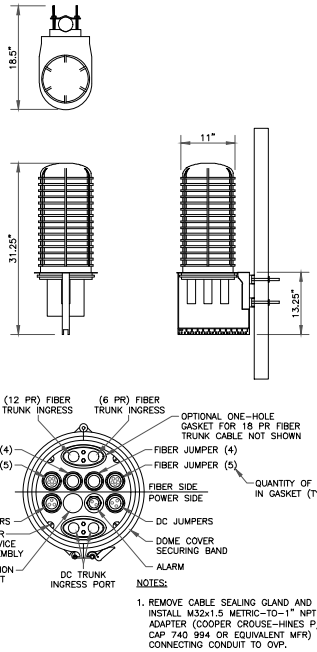


5 ANTENNA WITH DUAL RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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



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.

6 SQUID MOUNTING DETAIL
SCALE: NOT TO SCALE

AT&T
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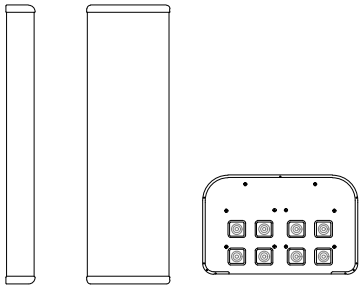
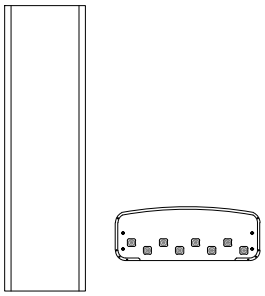
SHEET NUMBER:	REVISION:
C-4	0

1 NOT USED
SCALE: NOT TO SCALE



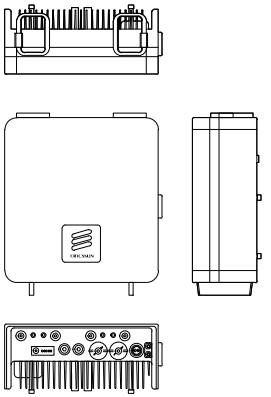
CCI ANTENNAS – OPA65R-BU6DA
WEIGHT (WITHOUT MOUNTING HARDWARE): 63.5 LBS
SIZE (HxWxD): 71.2x21x7.8 IN.
MOUNTING HARDWARE P/N: MBK-01
RATED WIND VELOCITY: 150.0 MPH

2 CCI ANTENNAS – OPA65R-BU6DA
SCALE: NOT TO SCALE



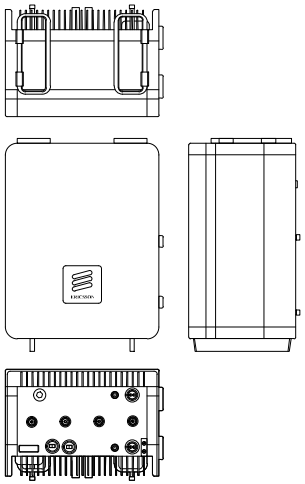
CCI ANTENNAS – DMP65R-BU6DA
WEIGHT (WITHOUT MOUNTING HARDWARE): 89.3 LBS
SIZE (HxWxD): 71.2x20.7x7.7 IN.

3 CCI ANTENNAS – DMP65R-BU6DA
SCALE: NOT TO SCALE



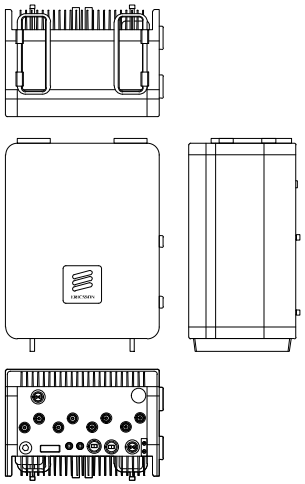
ERICSSON – 4476 B14
WEIGHT: 60.0 LBS
SIZE (HxWxD): 15.0x13.0x8.0 IN.

4 ERICSSON – 4478 B14
SCALE: NOT TO SCALE



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

5 ERICSSON – 4449 B5/B12
SCALE: NOT TO SCALE



ERICSSON – 8843 B2/B66A
WEIGHT: 70.0 LBS
SIZE (HxWxD): 18.0x13.2x9.4 IN.

6 ERICSSON – 8843 B2/B66A
SCALE: NOT TO SCALE

7 NOT USED
SCALE: NOT TO SCALE

8 NOT USED
SCALE: NOT TO SCALE

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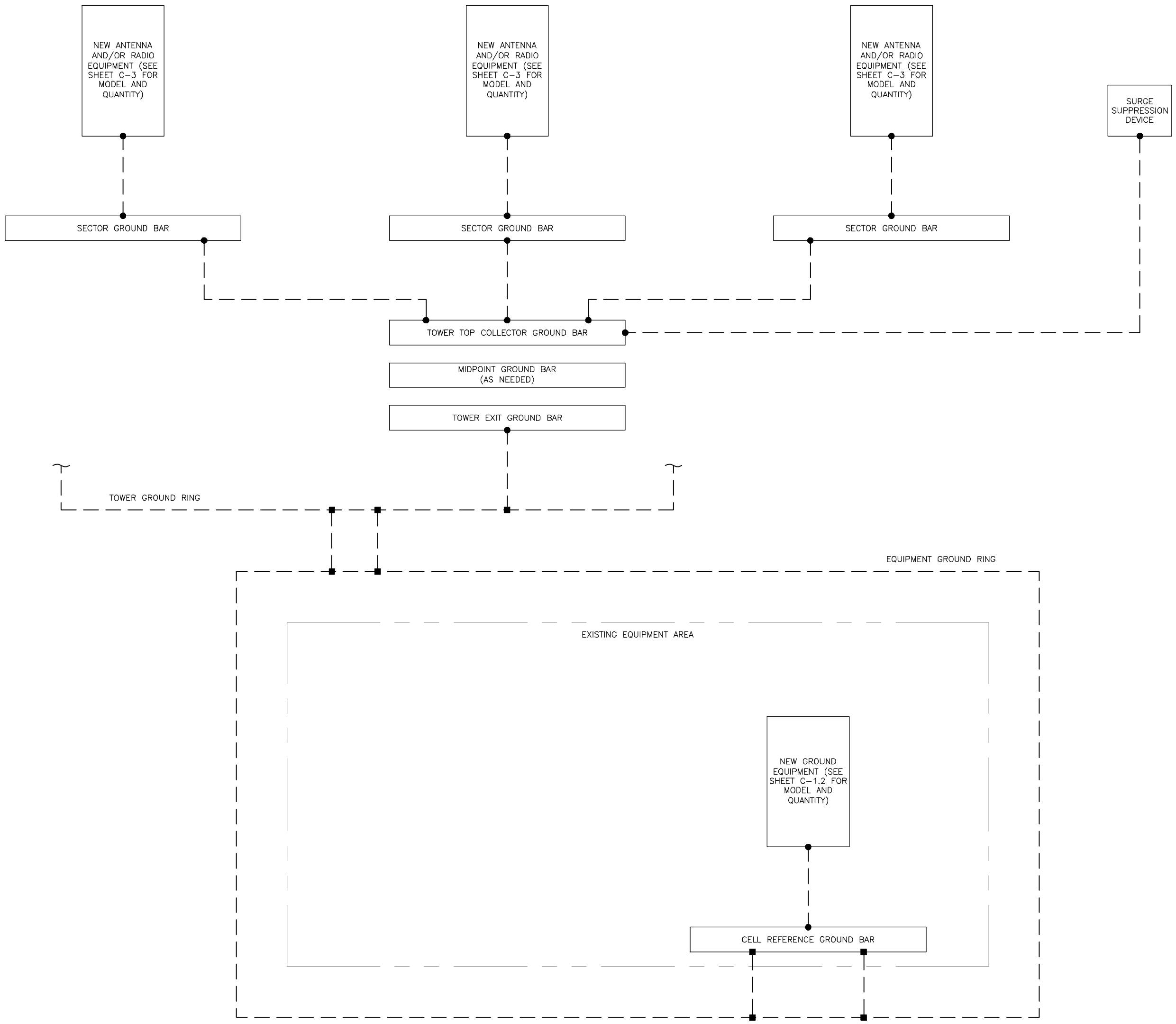
SHEET NUMBER:	REVISION:
C-5	0



1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

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.

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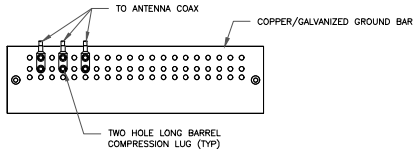
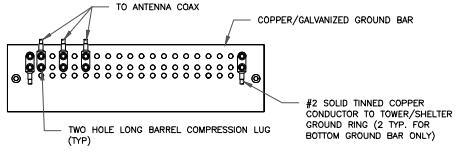
SHEET NUMBER: **G-1**
REVISION: **0**



NOTES:

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

1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE

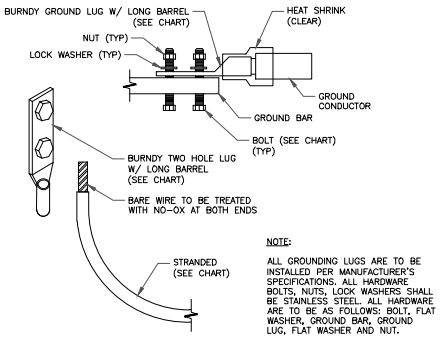


NOTES:

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

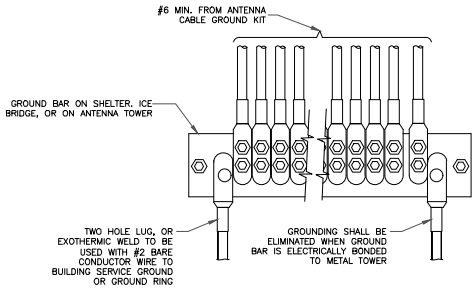
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE

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

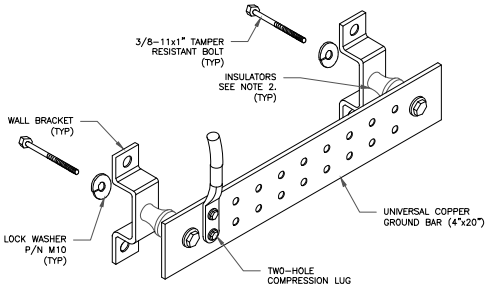


NOTE:
ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE

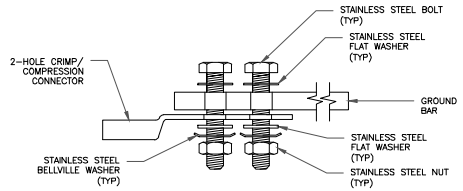


NOTES:

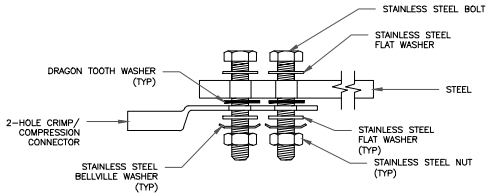
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.

2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

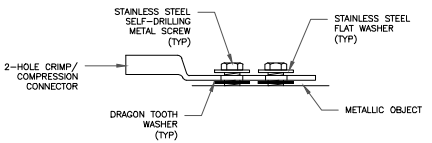
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

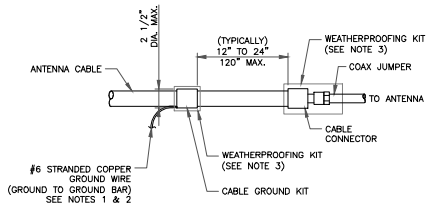


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

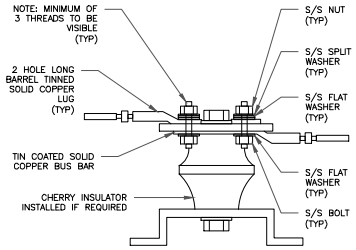
8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

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

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

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

AT&T SITE NUMBER: **45340**

BU #: **876384**
WESTBROOK / ORSINA

798 TOBY HILL ROAD
WESTBROOK, CT 06498

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	10/30/20	AMM	PRELIMINARY	RO
0	11/19/20	TMP	CONSTRUCTION	MEP

STATE OF CONNECTICUT
MARK E. PATTERSON
No. 31284
LICENSED PROFESSIONAL ENGINEER

11/19/2020

SHEET NUMBER: G-2
REVISION: 0

Diagram - Sector	A	Diagram File Name - CT5886_A_B_C__AWS_5G_B14_1900_700BC4T4R_Rev1.vsd					
Atoll Site Name -	CTL05886	Location Name -	WESTBROOK NE	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

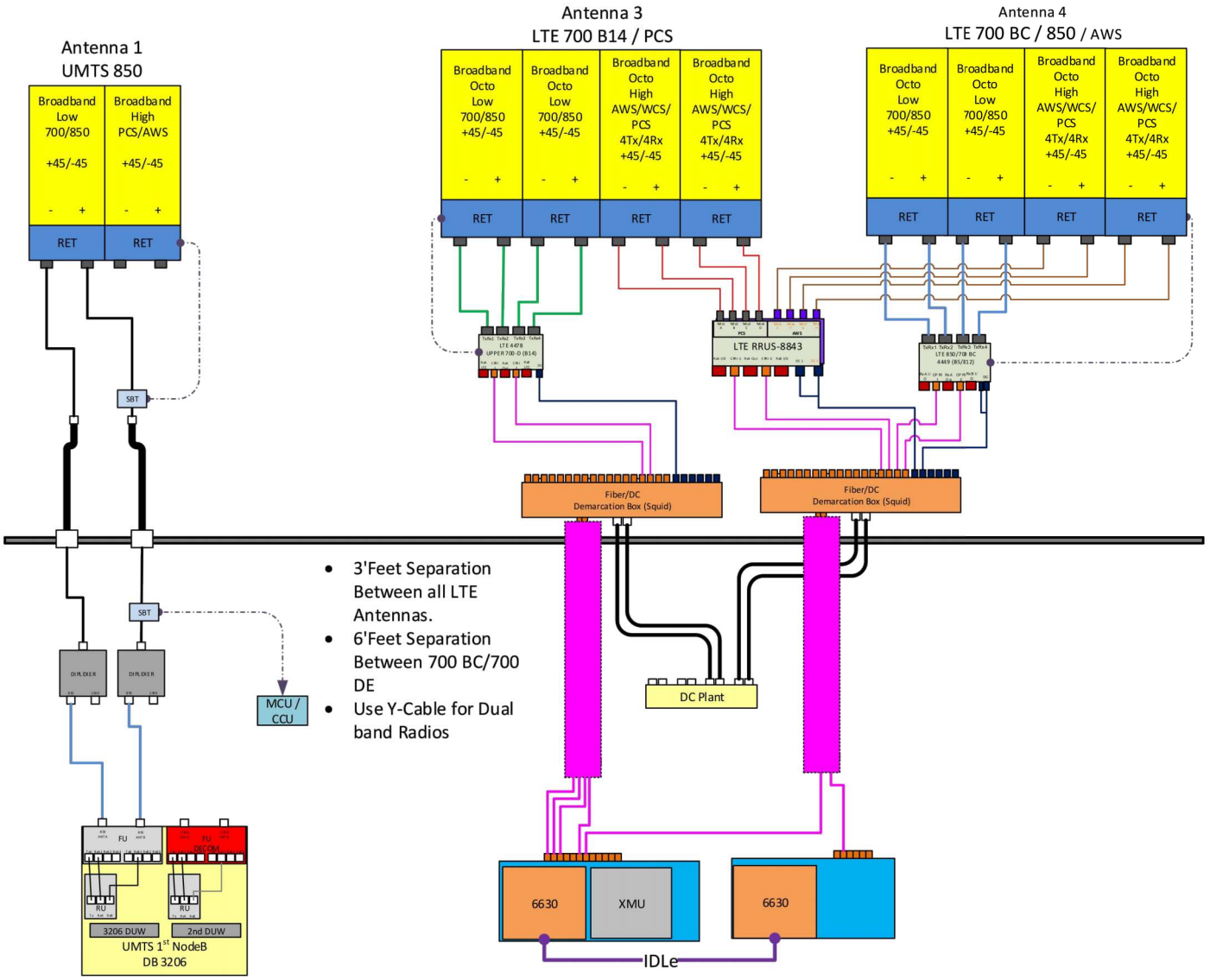


Diagram - Sector	B	Diagram File Name - CT5886_A_B_C__AWS_5G_B14_1900_700BC4T4R_Rev1.vsd					
Atoll Site Name -	CTL05886	Location Name -	WESTBROOK NE	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

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

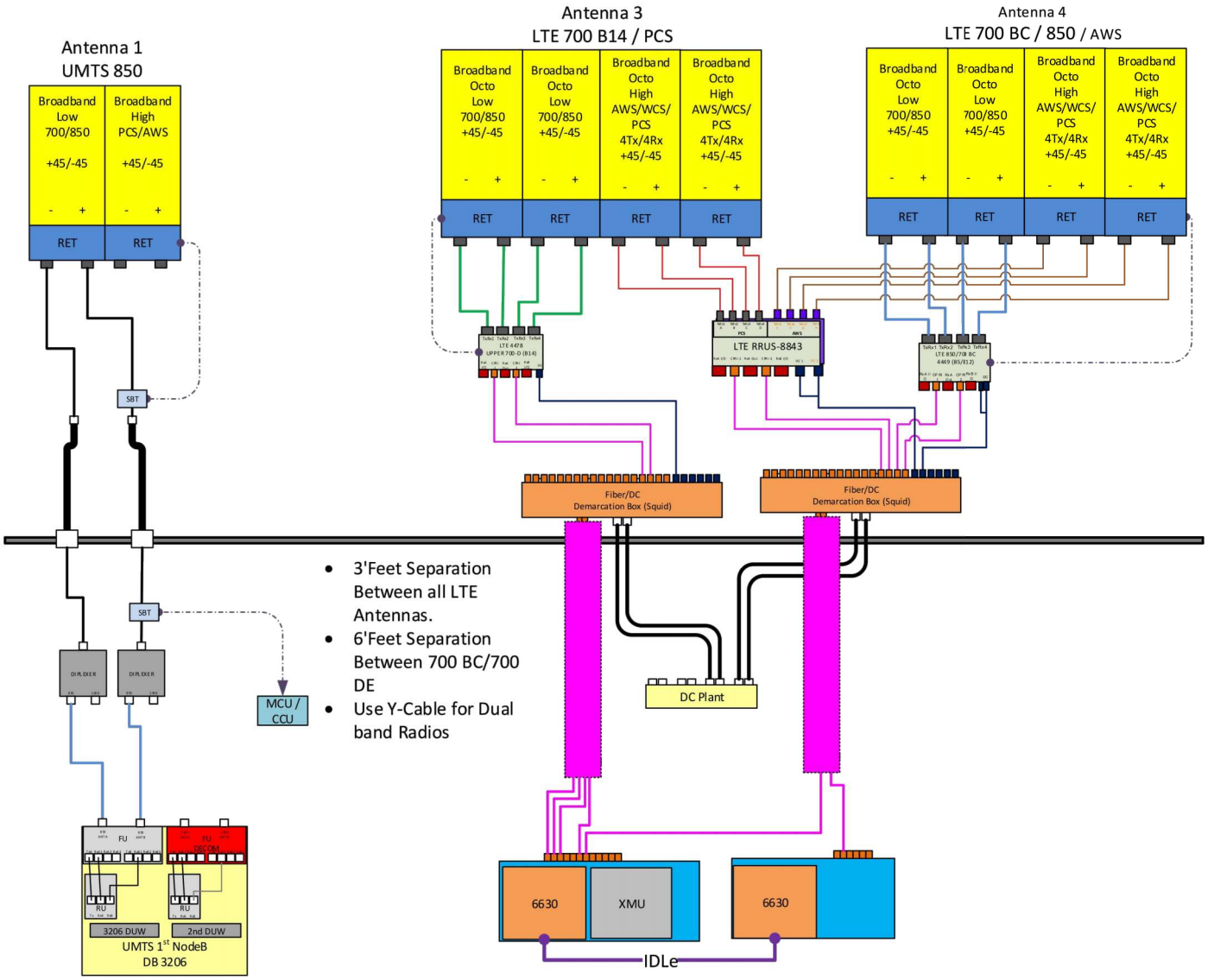


Diagram - Sector	C	Diagram File Name - CT5886_A_B_C__AWS_5G_B14_1900_700BC4T4R_Rev1.vsd					
Atoll Site Name -	CTL05886	Location Name -	WESTBROOK NE	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

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

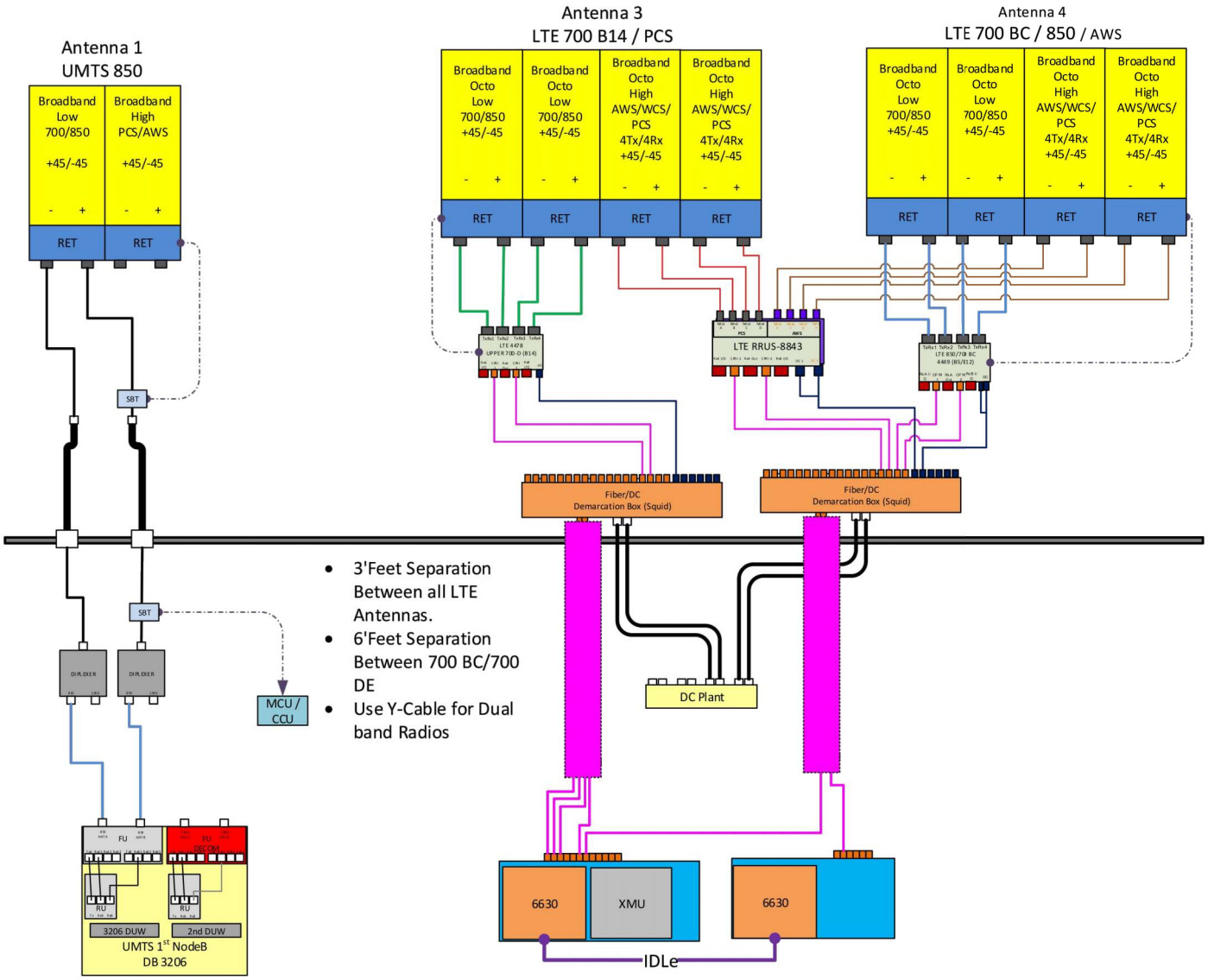


Exhibit D

Structural Analysis Report

Date: **October 19, 2020**

Stephanie Lipscomb
Crown Castle
370 Mallory Station Rd., Suite 505
Franklin, TN 37067

Crown Castle
2000 Corporate Dr.
Canonsburg, PA
(724) 416-2000

Subject:	**Structural Analysis Report**	
Carrier Designation:	***AT&T Mobility* Co-Locate**	
	Carrier Site Number:	45340
	Carrier Site Name:	CTL05886DATE
Crown Castle Designation:	**Crown Castle BU Number:**	876384
	Crown Castle Site Name:	WESTBROOK / ORSINA
	Crown Castle JDE Job Number:	617842
	Crown Castle Work Order Number:	1891790
	Crown Castle Order Number:	527515 Rev. 0
Engineering Firm Designation:	**Crown Castle Project Number:**	1891790
Site Data:	**798 Toby Hill Road, WESTBROOK, Middlesex County, CT** **Latitude *41° 19' 12.6"*, Longitude *-72° 26' 30"*** **150 Foot - Monopole Tower**	

Dear Stephanie Lipscomb,

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**

This analysis utilizes an ultimate 3-second gust wind speed of 135 mph as required by the 2018 Connecticut Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Alexander Greguric, E.I.T.

Respectfully submitted by:

Digitally signed by Maham Barimani
Date: 2020.10.19 17:03:38 -04'00'

STATE OF CONNECTICUT
MAHAM BARIMANI
30501
LICENSED
PROFESSIONAL ENGINEER

Maham Barimani, P.E.
Senior Project Engineer

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 150 ft Monopole tower designed by ENGINEERED ENDEAVORS, INC. The tower has been modified multiple times in the past to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	135 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
130.0	130.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe	2 2 2 6	3/8 7/16 7/8 1-5/8
		3	cci antennas	OPA65R-BU6D w/ Mount Pipe		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14		
		3	ericsson	RRUS 8843 B2/B66A		
		3	powerwave technologies	1001940		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		2	raycap	DC6-48-60-18-8F		
		1	tower mounts	Platform Mount [LP 304-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
150.0	152.0	3	alcatel lucent	PCS 1900MHz 4x45W-65MHz	4	1-1/4
		6	alcatel lucent	RRH2X50-800		
		3	commscope	NNVV-65B-R4		
		3	nokia	FZHN		
		3	rfs celwave	APXVTM14-ALU-I20		
	150.0	1	tower mounts	Platform Mount [LP 301-1]		
		1	tower mounts	Platform Mount [LP 712-1]		
140.0	140.0	6	commscope	JAHH-65B-R3B w/ Mount Pipe	2 6	1-1/4 1-5/8
		2	decibel	DB846F65ZAXY w/ Mount Pipe		
		4	decibel	DB846H80E-SX w/ Mount Pipe		
		2	raycap	RVZDC-6627-PF-48		
		3	rfs celwave	FDJ85020Q7-S1		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
		1	tower mounts	Platform Mount [LP 304-1]		
80.0	81.0	1	lucent	KS24019-L112A	1	1/2
	80.0	1	tower mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	Vanasse Hangan Brustlin	1615342	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	EEI	1615435	CCISITES
4-TOWER MANUFACTURER DRAWINGS	EEI	1615370	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	TEP	2154747	CCISITES
4-POST-MODIFICATION INSPECTION	SGS	5840467	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	TEP	5650397	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
150 - 145	Pole	TP14.12x13x0.1875	Pole	14.0%	Pass
145 - 140	Pole	TP15.241x14.12x0.1875	Pole	22.6%	Pass
140 - 136.29	Pole	TP16.65x15.241x0.1875	Pole	34.4%	Pass
136.29 - 131.29	Pole	TP16.804x15.696x0.3125	Pole	30.3%	Pass
131.29 - 126.29	Pole	TP17.912x16.804x0.3125	Pole	40.6%	Pass
126.29 - 121.29	Pole	TP19.02x17.912x0.3125	Pole	49.6%	Pass
121.29 - 116.29	Pole	TP20.128x19.02x0.3125	Pole	56.6%	Pass
116.29 - 111.29	Pole	TP21.236x20.128x0.3125	Pole	62.0%	Pass
111.29 - 108.25	Pole	TP21.911x21.236x0.3125	Pole	64.7%	Pass
108.25 - 108	Pole + Reinf.	TP21.966x21.911x0.6375	Reinf. 9 Tension Rupture	53.4%	Pass
108 - 103	Pole + Reinf.	TP23.074x21.966x0.6125	Reinf. 9 Tension Rupture	58.0%	Pass
103 - 98	Pole + Reinf.	TP24.182x23.074x0.6	Reinf. 9 Tension Rupture	62.1%	Pass
98 - 93	Pole + Reinf.	TP25.29x24.182x0.5875	Reinf. 9 Tension Rupture	65.8%	Pass
93 - 91.92	Pole + Reinf.	TP26.38x25.29x0.5875	Reinf. 9 Tension Rupture	66.5%	Pass
91.92 - 86.92	Pole + Reinf.	TP26.012x24.906x0.6375	Reinf. 9 Tension Rupture	65.4%	Pass
86.92 - 85.17	Pole + Reinf.	TP26.399x26.012x0.6375	Reinf. 9 Tension Rupture	66.4%	Pass
85.17 - 84.92	Pole + Reinf.	TP26.454x26.399x0.6375	Reinf. 5 Tension Rupture	66.5%	Pass
84.92 - 79.92	Pole + Reinf.	TP27.561x26.454x0.625	Reinf. 5 Tension Rupture	69.0%	Pass
79.92 - 77	Pole + Reinf.	TP28.206x27.561x0.6125	Reinf. 5 Tension Rupture	70.3%	Pass
77 - 76.75	Pole + Reinf.	TP28.262x28.206x0.5375	Reinf. 5 Tension Rupture	71.8%	Pass
76.75 - 75	Pole + Reinf.	TP28.649x28.262x0.5313	Reinf. 5 Tension Rupture	72.6%	Pass
75 - 74.75	Pole + Reinf.	TP28.704x28.649x0.6125	Reinf. 5 Tension Rupture	71.3%	Pass
74.75 - 69.75	Pole + Reinf.	TP29.811x28.704x0.6	Reinf. 5 Tension Rupture	73.3%	Pass
69.75 - 65.08	Pole + Reinf.	TP30.843x29.811x0.5875	Reinf. 5 Tension Rupture	75.1%	Pass
65.08 - 64.83	Pole + Reinf.	TP30.899x30.843x0.5875	Reinf. 3 Tension Rupture	75.1%	Pass
64.83 - 59.83	Pole + Reinf.	TP32.005x30.899x0.5875	Reinf. 3 Tension Rupture	76.8%	Pass
59.83 - 54.83	Pole + Reinf.	TP33.111x32.005x0.575	Reinf. 3 Tension Rupture	78.4%	Pass
54.83 - 49.83	Pole + Reinf.	TP34.218x33.111x0.5625	Reinf. 3 Tension Rupture	79.8%	Pass
49.83 - 48.5	Pole + Reinf.	TP35.62x34.218x0.5625	Reinf. 3 Tension Rupture	80.1%	Pass
48.5 - 42.5	Pole + Reinf.	TP35.092x33.764x0.5625	Reinf. 3 Tension Rupture	84.6%	Pass
42.5 - 37.5	Pole + Reinf.	TP36.199x35.092x0.55	Reinf. 3 Tension Rupture	85.7%	Pass
37.5 - 33	Pole + Reinf.	TP37.194x36.199x0.55	Reinf. 3 Tension Rupture	86.6%	Pass
33 - 32.75	Pole + Reinf.	TP37.25x37.194x0.6625	Reinf. 4 Tension Rupture	74.2%	Pass
32.75 - 32	Pole + Reinf.	TP37.416x37.25x0.6625	Reinf. 4 Tension Rupture	74.4%	Pass
32 - 31.75	Pole + Reinf.	TP37.471x37.416x0.5875	Reinf. 4 Tension Rupture	76.6%	Pass
31.75 - 30	Pole + Reinf.	TP37.858x37.471x0.5875	Reinf. 4 Tension Rupture	76.9%	Pass
30 - 29.75	Pole + Reinf.	TP37.914x37.858x0.5875	Reinf. 2 Tension Rupture	76.9%	Pass
29.75 - 24.75	Pole + Reinf.	TP39.021x37.914x0.575	Reinf. 2 Tension Rupture	77.8%	Pass
24.75 - 19.75	Pole + Reinf.	TP40.128x39.021x0.5688	Reinf. 2 Tension Rupture	78.6%	Pass
19.75 - 14.75	Pole + Reinf.	TP41.235x40.128x0.5625	Reinf. 2 Tension Rupture	79.3%	Pass
14.75 - 9.75	Pole + Reinf.	TP42.341x41.235x0.5625	Reinf. 2 Tension Rupture	80.0%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
9.75 - 4.75	Pole + Reinf.	TP43.448x42.341x0.55	Reinf. 2 Tension Rupture	80.6%	Pass
4.75 - 0	Pole + Reinf.	TP44.5x43.448x0.55	Reinf. 2 Tension Rupture	81.2%	Pass
				Summary	
			Pole	64.7%	Pass
			Reinforcement	86.6%	Pass
			Overall	86.6%	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	79.2	Pass
1	Base Plate	0	77.3	Pass
1	Base Foundation (Structure)	0	87.2	Pass
1	Base Foundation (Soil Interaction)	0	61.6	Pass

Structure Rating (max from all components) =	87.2%

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.

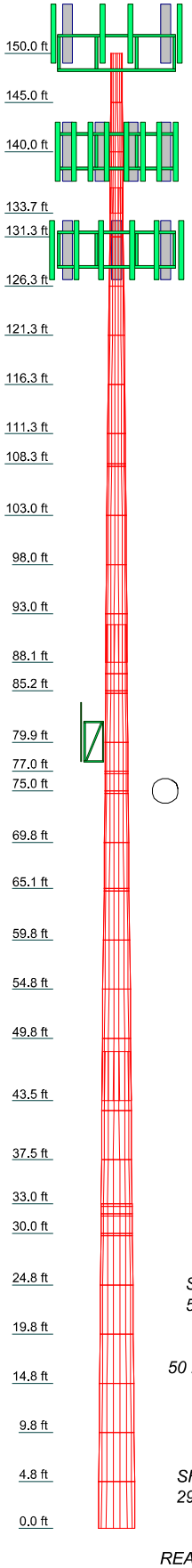
4.1) Recommendations

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

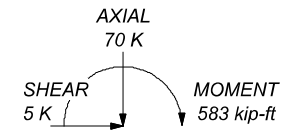
APPENDIX A

TNXTOWER OUTPUT

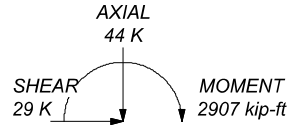
Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.00	18	0.188	2.58	13.000	14.120	A572-65	0.1
2	5.00	18	0.188		14.120	15.241		0.1
3	6.29	18	0.188		15.241	16.650		0.2
4	5.00	18	0.313		15.696	16.804		0.3
5	5.00	18	0.313		16.804	17.912		0.3
6	5.00	18	0.313		17.912	19.020		0.3
7	5.00	18	0.313		19.020	20.128		0.3
8	5.00	18	0.313		20.128	21.236		0.3
9	5.04	18	0.313		21.236	22.344		0.2
10	5.00	18	0.313		22.344	23.074		0.2
11	5.00	18	0.618		21.986	23.074		0.7
12	5.00	18	0.600		23.074	24.182		0.7
13	5.00	18	0.588		24.182	25.290		0.7
14	5.00	18	0.588	3.83	25.290	26.380		0.7
15	5.00	18	0.588		26.380	27.488		0.8
16	5.00	18	0.588		27.488	28.596		0.8
17	5.00	18	0.588		28.596	29.704		0.8
18	5.00	18	0.626		26.456	27.582		0.8
19	5.00	18	0.613		27.582	28.708		0.5
20	5.00	18	0.613		28.708	29.834		0.5
21	5.00	18	0.613		29.834	30.960		0.5
22	5.00	18	0.613		30.960	32.086		0.5
23	5.00	18	0.600		28.708	29.834		0.9
24	4.67	18	0.588		29.834	30.843		0.8
25	5.00	18	0.588		30.843	31.852		0.8
26	5.00	18	0.588		31.852	32.860		0.9
27	5.00	18	0.575		32.005	33.111		1.0
28	5.00	18	0.563		33.111	34.218		1.0
29	6.34	18	0.563	5.00	34.218	35.620		1.3
30	5.00	18	0.563		35.176	36.195		1.2
31	5.00	18	0.550		35.093	36.199		1.0
32	4.50	18	0.550		36.199	37.194		0.9
33	5.00	18	0.550		37.194	38.189		1.0
34	5.00	18	0.550		38.189	39.183		1.0
35	5.00	18	0.550		39.183	40.178		1.0
36	5.00	18	0.550		40.178	41.172		1.0
37	5.00	18	0.550		41.172	42.167		1.0
38	5.00	18	0.576		37.913	39.021		1.2
39	5.00	18	0.569		39.021	40.128		1.2
40	5.00	18	0.563		40.128	41.235		1.2
41	5.00	18	0.563		41.235	42.341		1.2
42	5.00	18	0.550		42.341	43.448		1.3
43	4.75	18	0.550		43.448	44.500		1.2



ALL REACTIONS ARE FACTORED



TORQUE 0 kip-ft
50 mph WIND - 1.500 in ICE



TORQUE 0 kip-ft
REACTIONS - 135 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 135 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 86.6%

CROWN CASTLE
Tha Pathway to Possible

Crown Castle
2000 Corporate Dr.
Canonsburg, PA
Phone: (724) 416-2000
FAX:

Job: *BU 876384*			
Project:			
Client: Crown Castle	Drawn by: AGreguric	App'd:	
Code: TIA-222-H	Date: 10/19/20	Scale: NTS	
Path: C:\Users\agreguric\OneDrive - Crown Castle USA Inc\Desktop\Work Area\876384\WO 1891786 - SA\Prod\876384_rentjen		Dwg No. E-1	

Tower Input Data

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

1) Tower is located in Middlesex County, Connecticut.
2) Tower base elevation above sea level: 160.00 ft.
3) Basic wind speed of 135 mph.
4) Risk Category II.
5) Exposure Category B.
6) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
7) Topographic Category: 1.
8) Crest Height: 0.00 ft.
9) Nominal ice thickness of 1.500 in.
10) Ice thickness is considered to increase with height.
11) Ice density of 56 pcf.
12) A wind speed of 50 mph is used in combination with ice.
13) Temperature drop of 50 °F.
14) Deflections calculated using a wind speed of 60 mph.
15) TOWER RATING: 86.6%.
16) A non-linear (P-delta) analysis was used.
17) Pressures are calculated at each section.
18) Stress ratio used in pole design is 1.05.
19) Tower analysis based on target reliabilities in accordance with Annex S.
20) Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
21) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	*Elevation*	*Section Length*	*Splice Length*	*Number of Sides*	*Top Diameter*	*Bottom Diameter*	*Wall Thickness*	*Bend Radius*	*Pole Grade*
	ft	*ft*	*ft*		*in*	*in*	*in*	*in*	
L1	150.00-145.00	5.00	0.000	18	13.000	14.120	0.188	0.750	A572-65 (65 ksi)

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
L2	145.00-140.00	5.00	0.000	18	14.120	15.241	0.188	0.750	A572-65 (65 ksi)
L3	140.00-133.71	6.29	2.583	18	15.241	16.650	0.188	0.750	A572-65 (65 ksi)
L4	133.71-131.29	5.00	0.000	18	15.696	16.804	0.313	1.250	A572-65 (65 ksi)
L5	131.29-126.29	5.00	0.000	18	16.804	17.912	0.313	1.250	A572-65 (65 ksi)
L6	126.29-121.29	5.00	0.000	18	17.912	19.020	0.313	1.250	A572-65 (65 ksi)
L7	121.29-116.29	5.00	0.000	18	19.020	20.128	0.313	1.250	A572-65 (65 ksi)
L8	116.29-111.29	5.00	0.000	18	20.128	21.236	0.313	1.250	A572-65 (65 ksi)
L9	111.29-108.25	3.04	0.000	18	21.236	21.911	0.313	1.250	A572-65 (65 ksi)
L10	108.25-108.00	0.25	0.000	18	21.911	21.966	0.637	2.550	A572-65 (65 ksi)
L11	108.00-103.00	5.00	0.000	18	21.966	23.074	0.613	2.450	A572-65 (65 ksi)
L12	103.00-98.00	5.00	0.000	18	23.074	24.182	0.600	2.400	A572-65 (65 ksi)
L13	98.00-93.00	5.00	0.000	18	24.182	25.290	0.588	2.350	A572-65 (65 ksi)
L14	93.00-88.08	4.92	3.833	18	25.290	26.380	0.588	2.350	A572-65 (65 ksi)
L15	88.08-86.92	5.00	0.000	18	24.906	26.012	0.637	2.550	A572-65 (65 ksi)
L16	86.92-85.17	1.75	0.000	18	26.012	26.399	0.637	2.550	A572-65 (65 ksi)
L17	85.17-84.92	0.25	0.000	18	26.399	26.454	0.637	2.550	A572-65 (65 ksi)
L18	84.92-79.92	5.00	0.000	18	26.454	27.561	0.625	2.500	A572-65 (65 ksi)
L19	79.92-77.00	2.92	0.000	18	27.561	28.206	0.613	2.450	A572-65 (65 ksi)
L20	77.00-76.75	0.25	0.000	18	28.206	28.262	0.537	2.150	A572-65 (65 ksi)
L21	76.75-75.00	1.75	0.000	18	28.262	28.649	0.531	2.125	A572-65 (65 ksi)
L22	75.00-74.75	0.25	0.000	18	28.649	28.704	0.613	2.450	A572-65 (65 ksi)
L23	74.75-69.75	5.00	0.000	18	28.704	29.811	0.600	2.400	A572-65 (65 ksi)
L24	69.75-65.08	4.67	0.000	18	29.811	30.843	0.588	2.350	A572-65 (65 ksi)
L25	65.08-64.83	0.25	0.000	18	30.843	30.899	0.588	2.350	A572-65 (65 ksi)
L26	64.83-59.83	5.00	0.000	18	30.899	32.005	0.588	2.350	A572-65 (65 ksi)
L27	59.83-54.83	5.00	0.000	18	32.005	33.111	0.575	2.300	A572-65 (65 ksi)
L28	54.83-49.83	5.00	0.000	18	33.111	34.218	0.563	2.250	A572-65 (65 ksi)
L29	49.83-43.50	6.34	5.000	18	34.218	35.620	0.563	2.250	A572-65 (65 ksi)
L30	43.50-42.50	6.00	0.000	18	33.764	35.092	0.563	2.250	A572-65 (65 ksi)
L31	42.50-37.50	5.00	0.000	18	35.092	36.199	0.550	2.200	A572-65 (65 ksi)
L32	37.50-33.00	4.50	0.000	18	36.199	37.194	0.550	2.200	A572-65 (65 ksi)
L33	33.00-32.75	0.25	0.000	18	37.194	37.250	0.662	2.650	A572-65 (65 ksi)
L34	32.75-32.00	0.75	0.000	18	37.250	37.416	0.662	2.650	A572-65 (65 ksi)
L35	32.00-31.75	0.25	0.000	18	37.416	37.471	0.588	2.350	A572-65 (65 ksi)
L36	31.75-30.00	1.75	0.000	18	37.471	37.858	0.588	2.350	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
L37	30.00-29.75	0.25	0.000	18	37.858	37.914	0.588	2.350	(65 ksi) A572-65 (65 ksi)
L38	29.75-24.75	5.00	0.000	18	37.914	39.021	0.575	2.300	(65 ksi) A572-65 (65 ksi)
L39	24.75-19.75	5.00	0.000	18	39.021	40.128	0.569	2.275	(65 ksi) A572-65 (65 ksi)
L40	19.75-14.75	5.00	0.000	18	40.128	41.235	0.563	2.250	(65 ksi) A572-65 (65 ksi)
L41	14.75-9.75	5.00	0.000	18	41.235	42.341	0.563	2.250	(65 ksi) A572-65 (65 ksi)
L42	9.75-4.75	5.00	0.000	18	42.341	43.448	0.550	2.200	(65 ksi) A572-65 (65 ksi)
L43	4.75-0.00	4.75		18	43.448	44.500	0.550	2.200	(65 ksi) A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	13.172	7.625	158.142	4.548	6.604	23.946	316.492	3.813	1.958	10.443
	14.309	8.292	203.359	4.946	7.173	28.350	406.985	4.147	2.155	11.494
L2	14.309	8.292	203.359	4.946	7.173	28.350	406.985	4.147	2.155	11.494
	15.447	8.958	256.464	5.344	7.742	33.125	513.266	4.480	2.352	12.546
L3	15.447	8.958	256.464	5.344	7.742	33.125	513.266	4.480	2.352	12.546
	16.878	9.797	335.454	5.844	8.458	39.660	671.349	4.900	2.600	13.869
L4	16.471	15.259	456.220	5.461	7.974	57.216	913.041	7.631	2.213	7.08
	17.015	16.358	562.073	5.855	8.537	65.843	1124.886	8.180	2.408	7.704
L5	17.015	16.358	562.073	5.855	8.537	65.843	1124.886	8.180	2.408	7.704
	18.140	17.457	683.150	6.248	9.099	75.076	1367.198	8.730	2.603	8.328
L6	18.140	17.457	683.150	6.248	9.099	75.076	1367.198	8.730	2.603	8.328
	19.266	18.556	820.473	6.641	9.662	84.915	1642.026	9.280	2.798	8.952
L7	19.266	18.556	820.473	6.641	9.662	84.915	1642.026	9.280	2.798	8.952
	20.391	19.655	975.067	7.035	10.225	95.359	1951.417	9.829	2.993	9.576
L8	20.391	19.655	975.067	7.035	10.225	95.359	1951.417	9.829	2.993	9.576
	21.516	20.754	1147.953	7.428	10.788	106.409	2297.417	10.379	3.188	10.2
L9	21.516	20.754	1147.953	7.428	10.788	106.409	2297.417	10.379	3.188	10.2
	22.201	21.423	1262.573	7.667	11.131	113.431	2526.807	10.713	3.306	10.58
L10	22.151	43.045	2461.119	7.552	11.131	221.111	4925.475	21.527	2.734	4.289
	22.207	43.157	2480.397	7.572	11.159	222.281	4964.058	21.583	2.744	4.304
L11	22.211	41.513	2391.517	7.581	11.159	214.316	4786.180	20.761	2.788	4.552
	23.336	43.667	2783.458	7.974	11.722	237.461	5570.578	21.838	2.983	4.87
L12	23.338	42.800	2731.207	7.978	11.722	233.003	5466.008	21.404	3.005	5.008
	24.463	44.910	3155.421	8.372	12.285	256.859	6314.995	22.459	3.200	5.333
L13	24.465	43.998	3094.599	8.376	12.285	251.908	6193.270	22.003	3.222	5.484
	25.590	46.064	3551.375	8.770	12.848	276.425	7107.424	23.036	3.417	5.816
L14	25.590	46.064	3551.375	8.770	12.848	276.425	7107.424	23.036	3.417	5.816
	26.696	48.096	4042.337	9.156	13.401	301.644	8089.994	24.053	3.609	6.143
L15	26.053	49.104	3653.647	8.615	12.652	288.780	7312.102	24.557	3.261	5.116
	26.315	51.343	4176.502	9.008	13.214	316.065	8358.499	25.676	3.456	5.421
L16	26.315	51.343	4176.502	9.008	13.214	316.065	8358.499	25.676	3.456	5.421
	26.708	52.127	4370.605	9.145	13.411	325.904	8746.961	26.068	3.524	5.528
L17	26.708	52.127	4370.605	9.145	13.411	325.904	8746.961	26.068	3.524	5.528
	26.764	52.239	4398.822	9.165	13.439	327.322	8803.432	26.124	3.534	5.543
L18	26.766	51.239	4318.838	9.169	13.439	321.370	8643.358	25.624	3.556	5.69
	27.890	53.434	4897.948	9.562	14.001	349.831	9802.341	26.722	3.751	6.001
L19	27.891	52.390	4806.675	9.567	14.001	343.312	9619.674	26.200	3.773	6.16
	28.547	53.644	5160.411	9.796	14.329	360.143	10327.611	26.827	3.886	6.345
L20	28.558	47.204	4565.550	9.822	14.329	318.628	9137.107	23.606	4.018	7.476
	28.615	47.298	4592.989	9.842	14.357	319.915	9192.022	23.654	4.028	7.494
L21	28.616	46.759	4542.653	9.844	14.357	316.409	9091.284	23.384	4.039	7.603
	29.009	47.412	4735.633	9.982	14.554	325.392	9477.497	23.710	4.107	7.731
L22	28.996	54.505	5412.711	9.953	14.554	371.915	10832.544	27.258	3.964	6.472
	29.052	54.612	5444.815	9.973	14.582	373.400	10896.795	27.311	3.974	6.488
L23	29.054	53.522	5340.820	9.977	14.582	366.268	10688.667	26.766	3.996	6.66

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
	30.178	55.629	5996.754	10.370	15.144	395.988	12001.400	27.820	4.191	6.984
L24	30.180	54.493	5879.363	10.374	15.144	388.236	11766.463	27.252	4.213	7.17
	31.228	56.419	6524.970	10.741	15.668	416.441	13058.525	28.215	4.394	7.48
L25	31.228	56.419	6524.970	10.741	15.668	416.441	13058.525	28.215	4.394	7.48
	31.285	56.522	6560.826	10.760	15.697	417.980	13130.286	28.266	4.404	7.496
L26	31.285	56.522	6560.826	10.760	15.697	417.980	13130.286	28.266	4.404	7.496
	32.408	58.585	7305.817	11.153	16.259	449.352	14621.248	29.298	4.599	7.828
L27	32.410	57.361	7158.912	11.158	16.259	440.316	14327.245	28.686	4.621	8.036
	33.534	59.381	7941.871	11.550	16.821	472.151	15894.193	29.696	4.816	8.375
L28	33.535	58.112	7778.180	11.555	16.821	462.419	15566.594	29.062	4.838	8.6
	34.659	60.087	8598.641	11.948	17.383	494.667	17208.597	30.049	5.032	8.946
L29	34.659	60.087	8598.641	11.948	17.383	494.667	17208.597	30.049	5.032	8.946
	36.083	62.591	9718.735	12.445	18.095	537.096	19450.258	31.301	5.279	9.385
L30	35.322	59.276	8255.128	11.786	17.152	481.295	16521.119	29.644	4.952	8.804
	35.546	61.648	9286.111	12.258	17.827	520.911	18584.441	30.830	5.186	9.22
L31	35.548	60.300	9089.617	12.262	17.827	509.888	18191.195	30.156	5.208	9.469
	36.672	62.232	9991.773	12.655	18.389	543.356	19996.694	31.122	5.403	9.824
L32	36.672	62.232	9991.773	12.655	18.389	543.356	19996.694	31.122	5.403	9.824
	37.683	63.970	10852.414	13.009	18.895	574.363	21719.108	31.991	5.578	10.142
L33	37.666	76.818	12952.198	12.969	18.895	685.494	25921.439	38.416	5.380	8.121
	37.722	76.935	13011.155	12.988	18.923	687.591	26039.431	38.475	5.390	8.136
L34	37.722	76.935	13011.155	12.988	18.923	687.591	26039.431	38.475	5.390	8.136
	37.891	77.284	13189.101	13.047	19.007	693.901	26395.556	38.649	5.419	8.18
L35	37.902	68.674	11767.743	13.074	19.007	619.121	23550.971	34.344	5.551	9.449
	37.958	68.778	11820.878	13.094	19.035	620.998	23657.309	34.395	5.561	9.465
L36	37.958	68.778	11820.878	13.094	19.035	620.998	23657.309	34.395	5.561	9.465
	38.352	69.500	12197.302	13.231	19.232	634.216	24410.654	34.757	5.629	9.581
L37	38.352	69.500	12197.302	13.231	19.232	634.216	24410.654	34.757	5.629	9.581
	38.408	69.603	12251.721	13.251	19.260	636.116	24519.563	34.808	5.639	9.598
L38	38.410	68.145	12003.097	13.255	19.260	623.207	24021.988	34.079	5.661	9.845
	39.534	70.165	13102.567	13.648	19.823	660.994	26222.374	35.089	5.856	10.184
L39	39.535	69.414	12966.469	13.650	19.823	654.128	25950.000	34.714	5.867	10.315
	40.659	71.412	14118.819	14.043	20.385	692.613	28256.216	35.713	6.061	10.658
L40	40.660	70.639	13970.287	14.046	20.385	685.327	27958.956	35.326	6.072	10.795
	41.784	72.615	15175.948	14.439	20.947	724.487	30371.866	36.314	6.267	11.142
L41	41.784	72.615	15175.948	14.439	20.947	724.487	30371.866	36.314	6.267	11.142
	42.908	74.591	16449.055	14.832	21.509	764.735	32919.754	37.303	6.462	11.488
L42	42.910	72.955	16097.961	14.836	21.509	748.412	32217.104	36.485	6.484	11.789
	44.034	74.888	17411.293	15.229	22.072	788.848	34845.495	37.451	6.679	12.143
L43	44.034	74.888	17411.293	15.229	22.072	788.848	34845.495	37.451	6.679	12.143
	45.102	76.724	18723.356	15.602	22.606	828.247	37471.349	38.369	6.864	12.48

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 150.00-145.00				1	1	1			
L2 145.00-140.00				1	1	1			
L3 140.00-133.71				1	1	1			
L4 133.71-131.29				1	1	1			
L5 131.29-126.29				1	1	1			
L6 126.29-121.29				1	1	1			
L7 121.29-116.29				1	1	1			
L8 116.29-111.29				1	1	1			
L9 111.29-108.25				1	1	1			
L10 108.25-108.00				1	1	0.914761			
L11 108.00-103.00				1	1	0.92924			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L12 103.00-98.00				1	1	0.927997			
L13 98.00-93.00				1	1	0.92861			
L14 93.00-88.08				1	1	0.924792			
L15 88.08-86.92				1	1	0.944915			
L16 86.92-85.17				1	1	0.939555			
L17 85.17-84.92				1	1	0.938802			
L18 84.92-79.92				1	1	0.942446			
L19 79.92-77.00				1	1	0.95307			
L20 77.00-76.75				1	1	0.955483			
L21 76.75-75.00				1	1	0.962917			
L22 75.00-74.75				1	1	0.947029			
L23 74.75-69.75				1	1	0.9534			
L24 69.75-65.08				1	1	0.961835			
L25 65.08-64.83				1	1	0.961245			
L26 64.83-59.83				1	1	0.949872			
L27 59.83-54.83				1	1	0.959323			
L28 54.83-49.83				1	1	0.969955			
L29 49.83-43.50				1	1	0.967313			
L30 43.50-42.50				1	1	0.962278			
L31 42.50-37.50				1	1	0.974415			
L32 37.50-33.00				1	1	0.966467			
L33 33.00-32.75				1	1	0.960442			
L34 32.75-32.00				1	1	0.95866			
L35 32.00-31.75				1	1	0.990939			
L36 31.75-30.00				1	1	0.987273			
L37 30.00-29.75				1	1	0.986755			
L38 29.75-24.75				1	1	0.997628			
L39 24.75-19.75				1	1	0.998659			
L40 19.75-14.75				1	1	1.00026			
L41 14.75-9.75				1	1	0.991424			
L42 9.75-4.75				1	1	1.00509			
L43 4.75-0.00				1	1	0.997356			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
Misc										
Safety Line 3/8	A	No	Surface Af (CaAa)	150.00 - 0.00	1	1	0.500 0.500	0.000	0.750	0.220
130										
2" Rigid Conduit	B	No	Surface Ar (CaAa)	130.00 - 0.00	1	1	0.000 0.000	2.000		2.800
Mods										
CCI-65FP-060100	A	No	Surface Af (CaAa)	35.00 - 0.00	1	1	0.500 0.500	6.000	14.000	0.000
CCI-65FP-060100	A	No	Surface Af (CaAa)	35.00 - 0.00	1	1	-0.250 -0.250	6.000	14.000	0.000
CCI-65FP-060100	B	No	Surface Af (CaAa)	30.00 - 0.00	1	1	0.250 0.250	6.000	14.000	0.000
CCI-65FP-060100	C	No	Surface Af (CaAa)	30.00 - 0.00	1	1	0.000 0.000	6.000	12.000	0.000
***										
CCI-65FP-060100	A	No	Surface Af (CaAa)	65.08 - 35.00	1	1	0.500 0.500	6.000	14.000	0.000
CCI-65FP-060100	A	No	Surface Af (CaAa)	65.08 - 35.00	1	1	-0.250 -0.250	6.000	14.000	0.000
CCI-65FP-060100	B	No	Surface Af (CaAa)	65.08 - 30.00	1	1	0.250 0.250	6.000	14.000	0.000
***										
CCI-65FP-060100	A	No	Surface Af (CaAa)	85.17 - 65.08	1	1	0.500 0.500	6.000	14.000	0.000
CCI-65FP-060100	A	No	Surface Af (CaAa)	85.17 - 65.08	1	1	-0.250 -0.250	6.000	14.000	0.000
CCI-65FP-060100	B	No	Surface Af (CaAa)	85.17 - 65.08	1	1	0.250 0.250	6.000	14.000	0.000
***										
CCI-65FP-060100	A	No	Surface Af (CaAa)	110.25 - 85.17	1	1	0.500 0.500	6.000	14.000	0.000
CCI-65FP-060100	A	No	Surface Af (CaAa)	110.25 - 85.17	1	1	-0.250 -0.250	6.000	14.000	0.000
CCI-65FP-060100	B	No	Surface Af (CaAa)	110.25 - 85.17	1	1	0.250 0.250	6.000	14.000	0.000
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Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
150									
HB114-1-0813U4-M5J(1-1/4)	A	No	No	Inside Pole	150.00 - 0.00	3	No Ice	0.00	1.200
							1/2" Ice	0.00	1.200
							1" Ice	0.00	1.200
							2" Ice	0.00	1.200
HB114-13U3M12-XXXF(1-1/4)	A	No	No	Inside Pole	150.00 - 0.00	1	No Ice	0.00	0.992
							1/2" Ice	0.00	0.992
							1" Ice	0.00	0.992
							2" Ice	0.00	0.992
140									
LCF158-50JA-A7(1-5/8)	C	No	No	Inside Pole	140.00 - 0.00	6	No Ice	0.00	0.720
							1/2" Ice	0.00	0.720
							1" Ice	0.00	0.720
							2" Ice	0.00	0.720
HB114-U6S12-xxx-LI(1-1/4)	C	No	No	Inside Pole	140.00 - 0.00	2	No Ice	0.00	1.700
							1/2" Ice	0.00	1.700
							1" Ice	0.00	1.700
							2" Ice	0.00	1.700

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
LDF7-50A(1-5/8")	B	No	No	Inside Pole	130.00 - 0.00	6	No Ice	0.00	0.820
							1/2" Ice	0.00	0.820
							1" Ice	0.00	0.820
							2" Ice	0.00	0.820
HJ5-50A(7/8")	B	No	No	Inside Pole	130.00 - 0.00	2	No Ice	0.00	1.540
							1/2" Ice	0.00	1.540
							1" Ice	0.00	1.540
							2" Ice	0.00	1.540
WR-VG122ST-BRDA(7/16)	C	No	No	Inside Pole	130.00 - 0.00	2	No Ice	0.00	0.141
							1/2" Ice	0.00	0.141
							1" Ice	0.00	0.141
							2" Ice	0.00	0.141
WR-VG122ST-BRDA(3/8)	C	No	No	Inside Pole	130.00 - 0.00	2	No Ice	0.00	0.200
							1/2" Ice	0.00	0.200
							1" Ice	0.00	0.200
							2" Ice	0.00	0.200
80									
LDF4-50A(1/2)	A	No	No	Inside Pole	80.00 - 0.00	1	No Ice	0.00	0.150
							1/2" Ice	0.00	0.150
							1" Ice	0.00	0.150
							2" Ice	0.00	0.150
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Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.00-145.00	A	0.000	0.000	0.000	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L2	145.00-140.00	A	0.000	0.000	0.000	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L3	140.00-133.71	A	0.000	0.000	0.000	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.05
L4	133.71-131.29	A	0.000	0.000	0.000	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L5	131.29-126.29	A	0.000	0.000	0.000	0.000	0.02
		B	0.000	0.000	0.741	0.000	0.04
		C	0.000	0.000	0.000	0.000	0.04
L6	126.29-121.29	A	0.000	0.000	0.000	0.000	0.02
		B	0.000	0.000	1.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L7	121.29-116.29	A	0.000	0.000	0.000	0.000	0.02
		B	0.000	0.000	1.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L8	116.29-111.29	A	0.000	0.000	0.000	0.000	0.02
		B	0.000	0.000	1.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L9	111.29-108.25	A	0.000	0.000	4.000	0.000	0.01
		B	0.000	0.000	2.609	0.000	0.03
		C	0.000	0.000	0.000	0.000	0.03
L10	108.25-108.00	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.300	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L11	108.00-103.00	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L12	103.00-98.00	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L13	98.00-93.00	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L14	93.00-88.08	A	0.000	0.000	9.833	0.000	0.02
		B	0.000	0.000	5.900	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L15	88.08-86.92	A	0.000	0.000	2.333	0.000	0.01
		B	0.000	0.000	1.400	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.01
L16	86.92-85.17	A	0.000	0.000	3.499	0.000	0.01
		B	0.000	0.000	2.100	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.01
L17	85.17-84.92	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.300	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L18	84.92-79.92	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L19	79.92-77.00	A	0.000	0.000	5.834	0.000	0.01
		B	0.000	0.000	3.500	0.000	0.03
		C	0.000	0.000	0.000	0.000	0.02
L20	77.00-76.75	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.300	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L21	76.75-75.00	A	0.000	0.000	3.500	0.000	0.01
		B	0.000	0.000	2.100	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.01
L22	75.00-74.75	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.300	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L23	74.75-69.75	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L24	69.75-65.08	A	0.000	0.000	9.334	0.000	0.02
		B	0.000	0.000	5.600	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L25	65.08-64.83	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.300	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L26	64.83-59.83	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L27	59.83-54.83	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L28	54.83-49.83	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L29	49.83-43.50	A	0.000	0.000	12.673	0.000	0.03
		B	0.000	0.000	7.604	0.000	0.07
		C	0.000	0.000	0.000	0.000	0.05
L30	43.50-42.50	A	0.000	0.000	2.000	0.000	0.00
		B	0.000	0.000	1.200	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.01
L31	42.50-37.50	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L32	37.50-33.00	A	0.000	0.000	8.993	0.000	0.02
		B	0.000	0.000	5.396	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.04
L33	33.00-32.75	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.300	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L34	32.75-32.00	A	0.000	0.000	1.500	0.000	0.00
		B	0.000	0.000	0.900	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.01

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L35	32.00-31.75	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.300	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L36	31.75-30.00	A	0.000	0.000	3.500	0.000	0.01
		B	0.000	0.000	2.100	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.01
L37	30.00-29.75	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.300	0.000	0.00
		C	0.000	0.000	0.250	0.000	0.00
L38	29.75-24.75	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	5.000	0.000	0.04
L39	24.75-19.75	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	5.000	0.000	0.04
L40	19.75-14.75	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	5.000	0.000	0.04
L41	14.75-9.75	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	5.000	0.000	0.04
L42	9.75-4.75	A	0.000	0.000	10.000	0.000	0.02
		B	0.000	0.000	6.000	0.000	0.05
		C	0.000	0.000	5.000	0.000	0.04
L43	4.75-0.00	A	0.000	0.000	9.500	0.000	0.02
		B	0.000	0.000	5.700	0.000	0.05
		C	0.000	0.000	4.750	0.000	0.04

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_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.00-145.00	A	1.481	0.000	0.000	1.481	0.000	0.04
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L2	145.00-140.00	A	1.476	0.000	0.000	1.476	0.000	0.04
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L3	140.00-133.71	A	1.470	0.000	0.000	1.849	0.000	0.05
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.05
L4	133.71-131.29	A	1.465	0.000	0.000	0.710	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L5	131.29-126.29	A	1.461	0.000	0.000	1.461	0.000	0.04
		B		0.000	0.000	1.824	0.000	0.06
		C		0.000	0.000	0.000	0.000	0.04
L6	126.29-121.29	A	1.455	0.000	0.000	1.455	0.000	0.04
		B		0.000	0.000	2.455	0.000	0.08
		C		0.000	0.000	0.000	0.000	0.04
L7	121.29-116.29	A	1.449	0.000	0.000	1.449	0.000	0.04
		B		0.000	0.000	2.449	0.000	0.08
		C		0.000	0.000	0.000	0.000	0.04
L8	116.29-111.29	A	1.443	0.000	0.000	1.443	0.000	0.04
		B		0.000	0.000	2.443	0.000	0.08
		C		0.000	0.000	0.000	0.000	0.04
L9	111.29-108.25	A	1.438	0.000	0.000	6.025	0.000	0.07
		B		0.000	0.000	4.059	0.000	0.07
		C		0.000	0.000	0.000	0.000	0.03
L10	108.25-108.00	A	1.436	0.000	0.000	0.715	0.000	0.01
		B		0.000	0.000	0.444	0.000	0.01
		C		0.000	0.000	0.000	0.000	0.00
L11	108.00-103.00	A	1.432	0.000	0.000	14.296	0.000	0.15
		B		0.000	0.000	8.864	0.000	0.14
		C		0.000	0.000	0.000	0.000	0.04

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L12	103.00-98.00	A	1.425	0.000	0.000	14.276	0.000	0.15
		B		0.000	0.000	8.850	0.000	0.14
		C		0.000	0.000	0.000	0.000	0.04
L13	98.00-93.00	A	1.418	0.000	0.000	14.254	0.000	0.15
		B		0.000	0.000	8.836	0.000	0.14
		C		0.000	0.000	0.000	0.000	0.04
L14	93.00-88.08	A	1.410	0.000	0.000	13.994	0.000	0.14
		B		0.000	0.000	8.674	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.04
L15	88.08-86.92	A	1.406	0.000	0.000	3.321	0.000	0.03
		B		0.000	0.000	2.058	0.000	0.03
		C		0.000	0.000	0.000	0.000	0.01
L16	86.92-85.17	A	1.403	0.000	0.000	4.972	0.000	0.05
		B		0.000	0.000	3.082	0.000	0.05
		C		0.000	0.000	0.000	0.000	0.01
L17	85.17-84.92	A	1.402	0.000	0.000	0.710	0.000	0.01
		B		0.000	0.000	0.440	0.000	0.01
		C		0.000	0.000	0.000	0.000	0.00
L18	84.92-79.92	A	1.397	0.000	0.000	14.192	0.000	0.15
		B		0.000	0.000	8.794	0.000	0.14
		C		0.000	0.000	0.000	0.000	0.04
L19	79.92-77.00	A	1.390	0.000	0.000	8.267	0.000	0.08
		B		0.000	0.000	5.123	0.000	0.08
		C		0.000	0.000	0.000	0.000	0.02
L20	77.00-76.75	A	1.388	0.000	0.000	0.708	0.000	0.01
		B		0.000	0.000	0.439	0.000	0.01
		C		0.000	0.000	0.000	0.000	0.00
L21	76.75-75.00	A	1.386	0.000	0.000	4.955	0.000	0.05
		B		0.000	0.000	3.070	0.000	0.05
		C		0.000	0.000	0.000	0.000	0.01
L22	75.00-74.75	A	1.384	0.000	0.000	0.708	0.000	0.01
		B		0.000	0.000	0.438	0.000	0.01
		C		0.000	0.000	0.000	0.000	0.00
L23	74.75-69.75	A	1.379	0.000	0.000	14.137	0.000	0.14
		B		0.000	0.000	8.758	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.04
L24	69.75-65.08	A	1.369	0.000	0.000	13.169	0.000	0.13
		B		0.000	0.000	8.157	0.000	0.12
		C		0.000	0.000	0.000	0.000	0.04
L25	65.08-64.83	A	1.364	0.000	0.000	0.705	0.000	0.01
		B		0.000	0.000	0.436	0.000	0.01
		C		0.000	0.000	0.000	0.000	0.00
L26	64.83-59.83	A	1.359	0.000	0.000	14.076	0.000	0.14
		B		0.000	0.000	8.717	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.04
L27	59.83-54.83	A	1.347	0.000	0.000	14.042	0.000	0.14
		B		0.000	0.000	8.695	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.04
L28	54.83-49.83	A	1.335	0.000	0.000	14.005	0.000	0.14
		B		0.000	0.000	8.670	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.04
L29	49.83-43.50	A	1.320	0.000	0.000	17.691	0.000	0.17
		B		0.000	0.000	10.949	0.000	0.16
		C		0.000	0.000	0.000	0.000	0.05
L30	43.50-42.50	A	1.309	0.000	0.000	2.792	0.000	0.03
		B		0.000	0.000	1.728	0.000	0.03
		C		0.000	0.000	0.000	0.000	0.01
L31	42.50-37.50	A	1.300	0.000	0.000	13.899	0.000	0.13
		B		0.000	0.000	8.599	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.04
L32	37.50-33.00	A	1.283	0.000	0.000	12.456	0.000	0.12
		B		0.000	0.000	7.704	0.000	0.11
		C		0.000	0.000	0.000	0.000	0.04
L33	33.00-32.75	A	1.275	0.000	0.000	0.691	0.000	0.01
		B		0.000	0.000	0.427	0.000	0.01
		C		0.000	0.000	0.000	0.000	0.00
L34	32.75-32.00	A	1.273	0.000	0.000	2.073	0.000	0.02
		B		0.000	0.000	1.282	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.01

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L35	32.00-31.75	A	1.271	0.000	0.000	0.691	0.000	0.01
		B		0.000	0.000	0.427	0.000	0.01
		C		0.000	0.000	0.000	0.000	0.00
L36	31.75-30.00	A	1.267	0.000	0.000	4.830	0.000	0.05
		B		0.000	0.000	2.987	0.000	0.04
		C		0.000	0.000	0.000	0.000	0.01
L37	30.00-29.75	A	1.262	0.000	0.000	0.689	0.000	0.01
		B		0.000	0.000	0.426	0.000	0.01
		C		0.000	0.000	0.313	0.000	0.00
L38	29.75-24.75	A	1.251	0.000	0.000	13.752	0.000	0.13
		B		0.000	0.000	8.502	0.000	0.12
		C		0.000	0.000	6.251	0.000	0.08
L39	24.75-19.75	A	1.226	0.000	0.000	13.677	0.000	0.13
		B		0.000	0.000	8.451	0.000	0.12
		C		0.000	0.000	6.226	0.000	0.08
L40	19.75-14.75	A	1.195	0.000	0.000	13.585	0.000	0.12
		B		0.000	0.000	8.390	0.000	0.12
		C		0.000	0.000	6.195	0.000	0.08
L41	14.75-9.75	A	1.155	0.000	0.000	13.464	0.000	0.12
		B		0.000	0.000	8.309	0.000	0.12
		C		0.000	0.000	6.155	0.000	0.08
L42	9.75-4.75	A	1.096	0.000	0.000	13.287	0.000	0.11
		B		0.000	0.000	8.191	0.000	0.11
		C		0.000	0.000	6.096	0.000	0.08
L43	4.75-0.00	A	0.980	0.000	0.000	12.292	0.000	0.10
		B		0.000	0.000	7.561	0.000	0.10
		C		0.000	0.000	5.681	0.000	0.07

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	150.00-145.00	0.000	-0.000	1.021	-1.050
L2	145.00-140.00	0.000	-0.000	1.043	-1.069
L3	140.00-133.71	0.000	-0.000	1.063	-1.088
L4	133.71-131.29	0.000	-0.000	1.075	-1.099
L5	131.29-126.29	1.028	-0.594	2.075	-1.614
L6	126.29-121.29	1.325	-0.765	2.391	-1.785
L7	121.29-116.29	1.329	-0.767	2.429	-1.813
L8	116.29-111.29	1.332	-0.769	2.462	-1.838
L9	111.29-108.25	2.619	-0.431	2.982	-1.115
L10	108.25-108.00	2.867	-0.373	3.126	-0.947
L11	108.00-103.00	2.919	-0.376	3.179	-0.959
L12	103.00-98.00	3.015	-0.383	3.278	-0.982
L13	98.00-93.00	3.109	-0.389	3.374	-1.004
L14	93.00-88.08	3.200	-0.395	3.466	-1.025
L15	88.08-86.92	3.204	-0.395	3.470	-1.026
L16	86.92-85.17	3.230	-0.397	3.494	-1.030
L17	85.17-84.92	3.248	-0.398	3.512	-1.034
L18	84.92-79.92	3.294	-0.401	3.558	-1.044
L19	79.92-77.00	3.362	-0.406	3.626	-1.058
L20	77.00-76.75	3.388	-0.407	3.652	-1.064
L21	76.75-75.00	3.405	-0.408	3.668	-1.067
L22	75.00-74.75	3.423	-0.410	3.685	-1.071
L23	74.75-69.75	3.466	-0.412	3.728	-1.080
L24	69.75-65.08	3.545	-0.418	3.804	-1.096
L25	65.08-64.83	3.584	-0.420	3.842	-1.103
L26	64.83-59.83	3.625	-0.423	3.881	-1.111
L27	59.83-54.83	3.702	-0.428	3.953	-1.125
L28	54.83-49.83	3.777	-0.433	4.023	-1.138
L29	49.83-43.50	3.860	-0.438	4.097	-1.150
L30	43.50-42.50	3.864	-0.439	4.103	-1.152
L31	42.50-37.50	3.907	-0.441	4.132	-1.152
L32	37.50-33.00	3.973	-0.446	4.188	-1.159

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L33	33.00-32.75	4.007	-0.448	4.215	-1.163
L34	32.75-32.00	4.013	-0.449	4.221	-1.163
L35	32.00-31.75	4.020	-0.449	4.226	-1.164
L36	31.75-30.00	4.033	-0.450	4.236	-1.165
L37	30.00-29.75	3.427	2.517	3.704	1.403
L38	29.75-24.75	3.461	2.543	3.731	1.422
L39	24.75-19.75	3.523	2.592	3.778	1.460
L40	19.75-14.75	3.584	2.640	3.819	1.500
L41	14.75-9.75	3.643	2.687	3.852	1.544
L42	9.75-4.75	3.702	2.732	3.868	1.596
L43	4.75-0.00	3.758	2.776	3.838	1.675

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	2	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L2	2	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L3	2	Safety Line 3/8	133.71 - 140.00	1.0000	1.0000
L4	2	Safety Line 3/8	131.29 - 133.71	1.0000	1.0000
L5	2	Safety Line 3/8	126.29 - 131.29	1.0000	1.0000
L5	14	2" Rigid Conduit	126.29 - 130.00	1.0000	1.0000
L6	2	Safety Line 3/8	121.29 - 126.29	1.0000	1.0000
L6	14	2" Rigid Conduit	121.29 - 126.29	1.0000	1.0000
L7	2	Safety Line 3/8	116.29 - 121.29	1.0000	1.0000
L7	14	2" Rigid Conduit	116.29 - 121.29	1.0000	1.0000
L8	2	Safety Line 3/8	111.29 - 116.29	1.0000	1.0000
L8	14	2" Rigid Conduit	111.29 - 116.29	1.0000	1.0000
L9	2	Safety Line 3/8	108.25 - 111.29	1.0000	1.0000
L9	14	2" Rigid Conduit	108.25 - 111.29	1.0000	1.0000
L9	37	CCI-65FP-060100	108.25 - 110.25	1.0000	1.0000
L9	38	CCI-65FP-060100	108.25 - 110.25	1.0000	1.0000
L9	39	CCI-65FP-060100	108.25 - 110.25	1.0000	1.0000
L10	2	Safety Line 3/8	108.00 - 108.25	1.0000	1.0000
L10	14	2" Rigid Conduit	108.00 - 108.25	1.0000	1.0000
L10	37	CCI-65FP-060100	108.00 - 108.25	1.0000	1.0000
L10	38	CCI-65FP-060100	108.00 - 108.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L10	39	CCI-65FP-060100	108.00 - 108.25	1.0000	1.0000
L11	2	Safety Line 3/8	103.00 - 108.00	1.0000	1.0000
L11	14	2" Rigid Conduit	103.00 - 108.00	1.0000	1.0000
L11	37	CCI-65FP-060100	103.00 - 108.00	1.0000	1.0000
L11	38	CCI-65FP-060100	103.00 - 108.00	1.0000	1.0000
L11	39	CCI-65FP-060100	103.00 - 108.00	1.0000	1.0000
L12	2	Safety Line 3/8	98.00 - 103.00	1.0000	1.0000
L12	14	2" Rigid Conduit	98.00 - 103.00	1.0000	1.0000
L12	37	CCI-65FP-060100	98.00 - 103.00	1.0000	1.0000
L12	38	CCI-65FP-060100	98.00 - 103.00	1.0000	1.0000
L12	39	CCI-65FP-060100	98.00 - 103.00	1.0000	1.0000
L13	2	Safety Line 3/8	93.00 - 98.00	1.0000	1.0000
L13	14	2" Rigid Conduit	93.00 - 98.00	1.0000	1.0000
L13	37	CCI-65FP-060100	93.00 - 98.00	1.0000	1.0000
L13	38	CCI-65FP-060100	93.00 - 98.00	1.0000	1.0000
L13	39	CCI-65FP-060100	93.00 - 98.00	1.0000	1.0000
L14	2	Safety Line 3/8	88.08 - 93.00	1.0000	1.0000
L14	14	2" Rigid Conduit	88.08 - 93.00	1.0000	1.0000
L14	37	CCI-65FP-060100	88.08 - 93.00	1.0000	1.0000
L14	38	CCI-65FP-060100	88.08 - 93.00	1.0000	1.0000
L14	39	CCI-65FP-060100	88.08 - 93.00	1.0000	1.0000
L15	2	Safety Line 3/8	86.92 - 88.08	1.0000	1.0000
L15	14	2" Rigid Conduit	86.92 - 88.08	1.0000	1.0000
L15	37	CCI-65FP-060100	86.92 - 88.08	1.0000	1.0000
L15	38	CCI-65FP-060100	86.92 - 88.08	1.0000	1.0000
L15	39	CCI-65FP-060100	86.92 - 88.08	1.0000	1.0000
L16	2	Safety Line 3/8	85.17 - 86.92	1.0000	1.0000
L16	14	2" Rigid Conduit	85.17 - 86.92	1.0000	1.0000
L16	37	CCI-65FP-060100	85.17 - 86.92	1.0000	1.0000
L16	38	CCI-65FP-060100	85.17 - 86.92	1.0000	1.0000
L16	39	CCI-65FP-060100	85.17 - 86.92	1.0000	1.0000
L17	2	Safety Line 3/8	84.92 - 85.17	1.0000	1.0000
L17	14	2" Rigid Conduit	84.92 - 85.17	1.0000	1.0000
L17	33	CCI-65FP-060100	84.92 - 85.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L17	34	CCI-65FP-060100	84.92 - 85.17	1.0000	1.0000
L17	35	CCI-65FP-060100	84.92 - 85.17	1.0000	1.0000
L18	2	Safety Line 3/8	79.92 - 84.92	1.0000	1.0000
L18	14	2" Rigid Conduit	79.92 - 84.92	1.0000	1.0000
L18	33	CCI-65FP-060100	79.92 - 84.92	1.0000	1.0000
L18	34	CCI-65FP-060100	79.92 - 84.92	1.0000	1.0000
L18	35	CCI-65FP-060100	79.92 - 84.92	1.0000	1.0000
L19	2	Safety Line 3/8	77.00 - 79.92	1.0000	1.0000
L19	14	2" Rigid Conduit	77.00 - 79.92	1.0000	1.0000
L19	33	CCI-65FP-060100	77.00 - 79.92	1.0000	1.0000
L19	34	CCI-65FP-060100	77.00 - 79.92	1.0000	1.0000
L19	35	CCI-65FP-060100	77.00 - 79.92	1.0000	1.0000
L20	2	Safety Line 3/8	76.75 - 77.00	1.0000	1.0000
L20	14	2" Rigid Conduit	76.75 - 77.00	1.0000	1.0000
L20	33	CCI-65FP-060100	76.75 - 77.00	1.0000	1.0000
L20	34	CCI-65FP-060100	76.75 - 77.00	1.0000	1.0000
L20	35	CCI-65FP-060100	76.75 - 77.00	1.0000	1.0000
L21	2	Safety Line 3/8	75.00 - 76.75	1.0000	1.0000
L21	14	2" Rigid Conduit	75.00 - 76.75	1.0000	1.0000
L21	33	CCI-65FP-060100	75.00 - 76.75	1.0000	1.0000
L21	34	CCI-65FP-060100	75.00 - 76.75	1.0000	1.0000
L21	35	CCI-65FP-060100	75.00 - 76.75	1.0000	1.0000
L22	2	Safety Line 3/8	74.75 - 75.00	1.0000	1.0000
L22	14	2" Rigid Conduit	74.75 - 75.00	1.0000	1.0000
L22	33	CCI-65FP-060100	74.75 - 75.00	1.0000	1.0000
L22	34	CCI-65FP-060100	74.75 - 75.00	1.0000	1.0000
L22	35	CCI-65FP-060100	74.75 - 75.00	1.0000	1.0000
L23	2	Safety Line 3/8	69.75 - 74.75	1.0000	1.0000
L23	14	2" Rigid Conduit	69.75 - 74.75	1.0000	1.0000
L23	33	CCI-65FP-060100	69.75 - 74.75	1.0000	1.0000
L23	34	CCI-65FP-060100	69.75 - 74.75	1.0000	1.0000
L23	35	CCI-65FP-060100	69.75 - 74.75	1.0000	1.0000
L24	2	Safety Line 3/8	65.08 - 69.75	1.0000	1.0000
L24	14	2" Rigid Conduit	65.08 - 69.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L24	33	CCI-65FP-060100	65.08 - 69.75	1.0000	1.0000
L24	34	CCI-65FP-060100	65.08 - 69.75	1.0000	1.0000
L24	35	CCI-65FP-060100	65.08 - 69.75	1.0000	1.0000
L25	2	Safety Line 3/8	64.83 - 65.08	1.0000	1.0000
L25	14	2" Rigid Conduit	64.83 - 65.08	1.0000	1.0000
L25	28	CCI-65FP-060100	64.83 - 65.08	1.0000	1.0000
L25	30	CCI-65FP-060100	64.83 - 65.08	1.0000	1.0000
L25	31	CCI-65FP-060100	64.83 - 65.08	1.0000	1.0000
L26	2	Safety Line 3/8	59.83 - 64.83	1.0000	1.0000
L26	14	2" Rigid Conduit	59.83 - 64.83	1.0000	1.0000
L26	28	CCI-65FP-060100	59.83 - 64.83	1.0000	1.0000
L26	30	CCI-65FP-060100	59.83 - 64.83	1.0000	1.0000
L26	31	CCI-65FP-060100	59.83 - 64.83	1.0000	1.0000
L27	2	Safety Line 3/8	54.83 - 59.83	1.0000	1.0000
L27	14	2" Rigid Conduit	54.83 - 59.83	1.0000	1.0000
L27	28	CCI-65FP-060100	54.83 - 59.83	1.0000	1.0000
L27	30	CCI-65FP-060100	54.83 - 59.83	1.0000	1.0000
L27	31	CCI-65FP-060100	54.83 - 59.83	1.0000	1.0000
L28	2	Safety Line 3/8	49.83 - 54.83	1.0000	1.0000
L28	14	2" Rigid Conduit	49.83 - 54.83	1.0000	1.0000
L28	28	CCI-65FP-060100	49.83 - 54.83	1.0000	1.0000
L28	30	CCI-65FP-060100	49.83 - 54.83	1.0000	1.0000
L28	31	CCI-65FP-060100	49.83 - 54.83	1.0000	1.0000
L29	2	Safety Line 3/8	43.50 - 49.83	1.0000	1.0000
L29	14	2" Rigid Conduit	43.50 - 49.83	1.0000	1.0000
L29	28	CCI-65FP-060100	43.50 - 49.83	1.0000	1.0000
L29	30	CCI-65FP-060100	43.50 - 49.83	1.0000	1.0000
L29	31	CCI-65FP-060100	43.50 - 49.83	1.0000	1.0000
L30	2	Safety Line 3/8	42.50 - 43.50	1.0000	1.0000
L30	14	2" Rigid Conduit	42.50 - 43.50	1.0000	1.0000
L30	28	CCI-65FP-060100	42.50 - 43.50	1.0000	1.0000
L30	30	CCI-65FP-060100	42.50 - 43.50	1.0000	1.0000
L30	31	CCI-65FP-060100	42.50 - 43.50	1.0000	1.0000
L31	2	Safety Line 3/8	37.50 - 42.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L31	14	2" Rigid Conduit	37.50 - 42.50	1.0000	1.0000
L31	28	CCI-65FP-060100	37.50 - 42.50	1.0000	1.0000
L31	30	CCI-65FP-060100	37.50 - 42.50	1.0000	1.0000
L31	31	CCI-65FP-060100	37.50 - 42.50	1.0000	1.0000
L32	2	Safety Line 3/8	33.00 - 37.50	1.0000	1.0000
L32	14	2" Rigid Conduit	33.00 - 37.50	1.0000	1.0000
L32	22	CCI-65FP-060100	33.00 - 35.00	1.0000	1.0000
L32	23	CCI-65FP-060100	33.00 - 35.00	1.0000	1.0000
L32	28	CCI-65FP-060100	35.00 - 37.50	1.0000	1.0000
L32	30	CCI-65FP-060100	35.00 - 37.50	1.0000	1.0000
L32	31	CCI-65FP-060100	33.00 - 37.50	1.0000	1.0000
L33	2	Safety Line 3/8	32.75 - 33.00	1.0000	1.0000
L33	14	2" Rigid Conduit	32.75 - 33.00	1.0000	1.0000
L33	22	CCI-65FP-060100	32.75 - 33.00	1.0000	1.0000
L33	23	CCI-65FP-060100	32.75 - 33.00	1.0000	1.0000
L33	31	CCI-65FP-060100	32.75 - 33.00	1.0000	1.0000
L34	2	Safety Line 3/8	32.00 - 32.75	1.0000	1.0000
L34	14	2" Rigid Conduit	32.00 - 32.75	1.0000	1.0000
L34	22	CCI-65FP-060100	32.00 - 32.75	1.0000	1.0000
L34	23	CCI-65FP-060100	32.00 - 32.75	1.0000	1.0000
L34	31	CCI-65FP-060100	32.00 - 32.75	1.0000	1.0000
L35	2	Safety Line 3/8	31.75 - 32.00	1.0000	1.0000
L35	14	2" Rigid Conduit	31.75 - 32.00	1.0000	1.0000
L35	22	CCI-65FP-060100	31.75 - 32.00	1.0000	1.0000
L35	23	CCI-65FP-060100	31.75 - 32.00	1.0000	1.0000
L35	31	CCI-65FP-060100	31.75 - 32.00	1.0000	1.0000
L36	2	Safety Line 3/8	30.00 - 31.75	1.0000	1.0000
L36	14	2" Rigid Conduit	30.00 - 31.75	1.0000	1.0000
L36	22	CCI-65FP-060100	30.00 - 31.75	1.0000	1.0000
L36	23	CCI-65FP-060100	30.00 - 31.75	1.0000	1.0000
L36	31	CCI-65FP-060100	30.00 - 31.75	1.0000	1.0000
L37	2	Safety Line 3/8	29.75 - 30.00	1.0000	1.0000
L37	14	2" Rigid Conduit	29.75 - 30.00	1.0000	1.0000
L37	22	CCI-65FP-060100	29.75 - 30.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L37	23	CCI-65FP-060100	29.75 - 30.00	1.0000	1.0000
L37	24	CCI-65FP-060100	29.75 - 30.00	1.0000	1.0000
L37	25	CCI-65FP-060100	29.75 - 30.00	1.0000	1.0000
L38	2	Safety Line 3/8	24.75 - 29.75	1.0000	1.0000
L38	14	2" Rigid Conduit	24.75 - 29.75	1.0000	1.0000
L38	22	CCI-65FP-060100	24.75 - 29.75	1.0000	1.0000
L38	23	CCI-65FP-060100	24.75 - 29.75	1.0000	1.0000
L38	24	CCI-65FP-060100	24.75 - 29.75	1.0000	1.0000
L38	25	CCI-65FP-060100	24.75 - 29.75	1.0000	1.0000
L39	2	Safety Line 3/8	19.75 - 24.75	1.0000	1.0000
L39	14	2" Rigid Conduit	19.75 - 24.75	1.0000	1.0000
L39	22	CCI-65FP-060100	19.75 - 24.75	1.0000	1.0000
L39	23	CCI-65FP-060100	19.75 - 24.75	1.0000	1.0000
L39	24	CCI-65FP-060100	19.75 - 24.75	1.0000	1.0000
L39	25	CCI-65FP-060100	19.75 - 24.75	1.0000	1.0000
L40	2	Safety Line 3/8	14.75 - 19.75	1.0000	1.0000
L40	14	2" Rigid Conduit	14.75 - 19.75	1.0000	1.0000
L40	22	CCI-65FP-060100	14.75 - 19.75	1.0000	1.0000
L40	23	CCI-65FP-060100	14.75 - 19.75	1.0000	1.0000
L40	24	CCI-65FP-060100	14.75 - 19.75	1.0000	1.0000
L40	25	CCI-65FP-060100	14.75 - 19.75	1.0000	1.0000
L41	2	Safety Line 3/8	9.75 - 14.75	1.0000	1.0000
L41	14	2" Rigid Conduit	9.75 - 14.75	1.0000	1.0000
L41	22	CCI-65FP-060100	9.75 - 14.75	1.0000	1.0000
L41	23	CCI-65FP-060100	9.75 - 14.75	1.0000	1.0000
L41	24	CCI-65FP-060100	9.75 - 14.75	1.0000	1.0000
L41	25	CCI-65FP-060100	9.75 - 14.75	1.0000	1.0000
L42	2	Safety Line 3/8	4.75 - 9.75	1.0000	1.0000
L42	14	2" Rigid Conduit	4.75 - 9.75	1.0000	1.0000
L42	22	CCI-65FP-060100	4.75 - 9.75	1.0000	1.0000
L42	23	CCI-65FP-060100	4.75 - 9.75	1.0000	1.0000
L42	24	CCI-65FP-060100	4.75 - 9.75	1.0000	1.0000
L42	25	CCI-65FP-060100	4.75 - 9.75	1.0000	1.0000
L43	2	Safety Line 3/8	0.00 - 4.75	1.0000	1.0000
L43	14	2" Rigid Conduit	0.00 - 4.75	1.0000	1.0000
L43	22	CCI-65FP-060100	0.00 - 4.75	1.0000	1.0000
L43	23	CCI-65FP-060100	0.00 - 4.75	1.0000	1.0000
L43	24	CCI-65FP-060100	0.00 - 4.75	1.0000	1.0000
L43	25	CCI-65FP-060100	0.00 - 4.75	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
L1	2	Safety Line 3/8	145.00 - 150.00	Manual	1.0000
L2	2	Safety Line 3/8	140.00 - 145.00	Manual	1.0000
L3	2	Safety Line 3/8	133.71 - 140.00	Manual	1.0000
L4	2	Safety Line 3/8	131.29 - 133.71	Manual	1.0000
L5	2	Safety Line 3/8	126.29 - 131.29	Manual	1.0000
L6	2	Safety Line 3/8	121.29 - 126.29	Manual	1.0000
L7	2	Safety Line 3/8	116.29 - 121.29	Manual	1.0000
L8	2	Safety Line 3/8	111.29 - 116.29	Manual	1.0000
L9	2	Safety Line 3/8	108.25 - 111.29	Manual	1.0000
L9	37	CCI-65FP-060100	108.25 - 110.25	Manual	1.0000
L9	38	CCI-65FP-060100	108.25 - 110.25	Manual	1.0000
L9	39	CCI-65FP-060100	108.25 - 110.25	Manual	1.0000
L10	2	Safety Line 3/8	108.00 - 108.25	Manual	1.0000
L10	37	CCI-65FP-060100	108.00 - 108.25	Manual	1.0000
L10	38	CCI-65FP-060100	108.00 - 108.25	Manual	1.0000
L10	39	CCI-65FP-060100	108.00 - 108.25	Manual	1.0000
L11	2	Safety Line 3/8	103.00 - 108.00	Manual	1.0000
L11	37	CCI-65FP-060100	103.00 - 108.00	Manual	1.0000
L11	38	CCI-65FP-060100	103.00 - 108.00	Manual	1.0000
L11	39	CCI-65FP-060100	103.00 - 108.00	Manual	1.0000
L12	2	Safety Line 3/8	98.00 - 103.00	Manual	1.0000
L12	37	CCI-65FP-060100	98.00 - 103.00	Manual	1.0000
L12	38	CCI-65FP-060100	98.00 - 103.00	Manual	1.0000
L12	39	CCI-65FP-060100	98.00 - 103.00	Manual	1.0000
L13	2	Safety Line 3/8	93.00 - 98.00	Manual	1.0000
L13	37	CCI-65FP-060100	93.00 - 98.00	Manual	1.0000
L13	38	CCI-65FP-060100	93.00 - 98.00	Manual	1.0000
L13	39	CCI-65FP-060100	93.00 - 98.00	Manual	1.0000
L14	2	Safety Line 3/8	88.08 - 93.00	Manual	1.0000
L14	37	CCI-65FP-060100	88.08 - 93.00	Manual	1.0000
L14	38	CCI-65FP-060100	88.08 - 93.00	Manual	1.0000
L14	39	CCI-65FP-060100	88.08 - 93.00	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L15	2	Safety Line 3/8	86.92 - 88.08	Manual	1.0000
L15	37	CCI-65FP-060100	86.92 - 88.08	Manual	1.0000
L15	38	CCI-65FP-060100	86.92 - 88.08	Manual	1.0000
L15	39	CCI-65FP-060100	86.92 - 88.08	Manual	1.0000
L16	2	Safety Line 3/8	85.17 - 86.92	Manual	1.0000
L16	37	CCI-65FP-060100	85.17 - 86.92	Manual	1.0000
L16	38	CCI-65FP-060100	85.17 - 86.92	Manual	1.0000
L16	39	CCI-65FP-060100	85.17 - 86.92	Manual	1.0000
L17	2	Safety Line 3/8	84.92 - 85.17	Manual	1.0000
L17	33	CCI-65FP-060100	84.92 - 85.17	Manual	1.0000
L17	34	CCI-65FP-060100	84.92 - 85.17	Manual	1.0000
L17	35	CCI-65FP-060100	84.92 - 85.17	Manual	1.0000
L18	2	Safety Line 3/8	79.92 - 84.92	Manual	1.0000
L18	33	CCI-65FP-060100	79.92 - 84.92	Manual	1.0000
L18	34	CCI-65FP-060100	79.92 - 84.92	Manual	1.0000
L18	35	CCI-65FP-060100	79.92 - 84.92	Manual	1.0000
L19	2	Safety Line 3/8	77.00 - 79.92	Manual	1.0000
L19	33	CCI-65FP-060100	77.00 - 79.92	Manual	1.0000
L19	34	CCI-65FP-060100	77.00 - 79.92	Manual	1.0000
L19	35	CCI-65FP-060100	77.00 - 79.92	Manual	1.0000
L20	2	Safety Line 3/8	76.75 - 77.00	Manual	1.0000
L20	33	CCI-65FP-060100	76.75 - 77.00	Manual	1.0000
L20	34	CCI-65FP-060100	76.75 - 77.00	Manual	1.0000
L20	35	CCI-65FP-060100	76.75 - 77.00	Manual	1.0000
L21	2	Safety Line 3/8	75.00 - 76.75	Manual	1.0000
L21	33	CCI-65FP-060100	75.00 - 76.75	Manual	1.0000
L21	34	CCI-65FP-060100	75.00 - 76.75	Manual	1.0000
L21	35	CCI-65FP-060100	75.00 - 76.75	Manual	1.0000
L22	2	Safety Line 3/8	74.75 - 75.00	Manual	1.0000
L22	33	CCI-65FP-060100	74.75 - 75.00	Manual	1.0000
L22	34	CCI-65FP-060100	74.75 - 75.00	Manual	1.0000
L22	35	CCI-65FP-060100	74.75 - 75.00	Manual	1.0000
L23	2	Safety Line 3/8	69.75 - 74.75	Manual	1.0000
L23	33	CCI-65FP-060100	69.75 - 74.75	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L23	34	CCI-65FP-060100	69.75 - 74.75	Manual	1.0000
L23	35	CCI-65FP-060100	69.75 - 74.75	Manual	1.0000
L24	2	Safety Line 3/8	65.08 - 69.75	Manual	1.0000
L24	33	CCI-65FP-060100	65.08 - 69.75	Manual	1.0000
L24	34	CCI-65FP-060100	65.08 - 69.75	Manual	1.0000
L24	35	CCI-65FP-060100	65.08 - 69.75	Manual	1.0000
L25	2	Safety Line 3/8	64.83 - 65.08	Manual	1.0000
L25	28	CCI-65FP-060100	64.83 - 65.08	Manual	1.0000
L25	30	CCI-65FP-060100	64.83 - 65.08	Manual	1.0000
L25	31	CCI-65FP-060100	64.83 - 65.08	Manual	1.0000
L26	2	Safety Line 3/8	59.83 - 64.83	Manual	1.0000
L26	28	CCI-65FP-060100	59.83 - 64.83	Manual	1.0000
L26	30	CCI-65FP-060100	59.83 - 64.83	Manual	1.0000
L26	31	CCI-65FP-060100	59.83 - 64.83	Manual	1.0000
L27	2	Safety Line 3/8	54.83 - 59.83	Manual	1.0000
L27	28	CCI-65FP-060100	54.83 - 59.83	Manual	1.0000
L27	30	CCI-65FP-060100	54.83 - 59.83	Manual	1.0000
L27	31	CCI-65FP-060100	54.83 - 59.83	Manual	1.0000
L28	2	Safety Line 3/8	49.83 - 54.83	Manual	1.0000
L28	28	CCI-65FP-060100	49.83 - 54.83	Manual	1.0000
L28	30	CCI-65FP-060100	49.83 - 54.83	Manual	1.0000
L28	31	CCI-65FP-060100	49.83 - 54.83	Manual	1.0000
L29	2	Safety Line 3/8	43.50 - 49.83	Manual	1.0000
L29	28	CCI-65FP-060100	43.50 - 49.83	Manual	1.0000
L29	30	CCI-65FP-060100	43.50 - 49.83	Manual	1.0000
L29	31	CCI-65FP-060100	43.50 - 49.83	Manual	1.0000
L30	2	Safety Line 3/8	42.50 - 43.50	Manual	1.0000
L30	28	CCI-65FP-060100	42.50 - 43.50	Manual	1.0000
L30	30	CCI-65FP-060100	42.50 - 43.50	Manual	1.0000
L30	31	CCI-65FP-060100	42.50 - 43.50	Manual	1.0000
L31	2	Safety Line 3/8	37.50 - 42.50	Manual	1.0000
L31	28	CCI-65FP-060100	37.50 - 42.50	Manual	1.0000
L31	30	CCI-65FP-060100	37.50 - 42.50	Manual	1.0000
L31	31	CCI-65FP-060100	37.50 - 42.50	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L32	2	Safety Line 3/8	33.00 - 37.50	Manual	1.0000
L32	22	CCI-65FP-060100	33.00 - 35.00	Manual	1.0000
L32	23	CCI-65FP-060100	33.00 - 35.00	Manual	1.0000
L32	28	CCI-65FP-060100	35.00 - 37.50	Manual	1.0000
L32	30	CCI-65FP-060100	35.00 - 37.50	Manual	1.0000
L32	31	CCI-65FP-060100	33.00 - 37.50	Manual	1.0000
L33	2	Safety Line 3/8	32.75 - 33.00	Manual	1.0000
L33	22	CCI-65FP-060100	32.75 - 33.00	Manual	1.0000
L33	23	CCI-65FP-060100	32.75 - 33.00	Manual	1.0000
L33	31	CCI-65FP-060100	32.75 - 33.00	Manual	1.0000
L34	2	Safety Line 3/8	32.00 - 32.75	Manual	1.0000
L34	22	CCI-65FP-060100	32.00 - 32.75	Manual	1.0000
L34	23	CCI-65FP-060100	32.00 - 32.75	Manual	1.0000
L34	31	CCI-65FP-060100	32.00 - 32.75	Manual	1.0000
L35	2	Safety Line 3/8	31.75 - 32.00	Manual	1.0000
L35	22	CCI-65FP-060100	31.75 - 32.00	Manual	1.0000
L35	23	CCI-65FP-060100	31.75 - 32.00	Manual	1.0000
L35	31	CCI-65FP-060100	31.75 - 32.00	Manual	1.0000
L36	2	Safety Line 3/8	30.00 - 31.75	Manual	1.0000
L36	22	CCI-65FP-060100	30.00 - 31.75	Manual	1.0000
L36	23	CCI-65FP-060100	30.00 - 31.75	Manual	1.0000
L36	31	CCI-65FP-060100	30.00 - 31.75	Manual	1.0000
L37	2	Safety Line 3/8	29.75 - 30.00	Manual	1.0000
L37	22	CCI-65FP-060100	29.75 - 30.00	Manual	1.0000
L37	23	CCI-65FP-060100	29.75 - 30.00	Manual	1.0000
L37	24	CCI-65FP-060100	29.75 - 30.00	Manual	1.0000
L37	25	CCI-65FP-060100	29.75 - 30.00	Manual	1.0000
L38	2	Safety Line 3/8	24.75 - 29.75	Manual	1.0000
L38	22	CCI-65FP-060100	24.75 - 29.75	Manual	1.0000
L38	23	CCI-65FP-060100	24.75 - 29.75	Manual	1.0000
L38	24	CCI-65FP-060100	24.75 - 29.75	Manual	1.0000
L38	25	CCI-65FP-060100	24.75 - 29.75	Manual	1.0000
L39	2	Safety Line 3/8	19.75 - 24.75	Manual	1.0000
L39	22	CCI-65FP-060100	19.75 - 24.75	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L39	23	CCI-65FP-060100	19.75 - 24.75	Manual	1.0000
L39	24	CCI-65FP-060100	19.75 - 24.75	Manual	1.0000
L39	25	CCI-65FP-060100	19.75 - 24.75	Manual	1.0000
L40	2	Safety Line 3/8	14.75 - 19.75	Manual	1.0000
L40	22	CCI-65FP-060100	14.75 - 19.75	Manual	1.0000
L40	23	CCI-65FP-060100	14.75 - 19.75	Manual	1.0000
L40	24	CCI-65FP-060100	14.75 - 19.75	Manual	1.0000
L40	25	CCI-65FP-060100	14.75 - 19.75	Manual	1.0000
L41	2	Safety Line 3/8	9.75 - 14.75	Manual	1.0000
L41	22	CCI-65FP-060100	9.75 - 14.75	Manual	1.0000
L41	23	CCI-65FP-060100	9.75 - 14.75	Manual	1.0000
L41	24	CCI-65FP-060100	9.75 - 14.75	Manual	1.0000
L41	25	CCI-65FP-060100	9.75 - 14.75	Manual	1.0000
L42	2	Safety Line 3/8	4.75 - 9.75	Manual	1.0000
L42	22	CCI-65FP-060100	4.75 - 9.75	Manual	1.0000
L42	23	CCI-65FP-060100	4.75 - 9.75	Manual	1.0000
L42	24	CCI-65FP-060100	4.75 - 9.75	Manual	1.0000
L42	25	CCI-65FP-060100	4.75 - 9.75	Manual	1.0000
L43	2	Safety Line 3/8	0.00 - 4.75	Manual	1.0000
L43	22	CCI-65FP-060100	0.00 - 4.75	Manual	1.0000
L43	23	CCI-65FP-060100	0.00 - 4.75	Manual	1.0000
L43	24	CCI-65FP-060100	0.00 - 4.75	Manual	1.0000
L43	25	CCI-65FP-060100	0.00 - 4.75	Manual	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
150									
NNVV-65B-R4	A	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.62 8.12 8.63 9.68	3.01 3.45 3.90 4.82	0.08 0.15 0.23 0.41
NNVV-65B-R4	B	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.62 8.12 8.63 9.68	3.01 3.45 3.90 4.82	0.08 0.15 0.23 0.41
NNVV-65B-R4	C	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.62 8.12 8.63 9.68	3.01 3.45 3.90 4.82	0.08 0.15 0.23 0.41
APXVTM14-ALU-I20	A	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.12 4.52 4.93 5.80	2.06 2.42 2.80 3.60	0.06 0.10 0.14 0.25

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVTM14-ALU-I20	B	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.12 4.52 4.93 5.80	2.06 2.42 2.80 3.60	0.06 0.10 0.14 0.25
APXVTM14-ALU-I20	C	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.12 4.52 4.93 5.80	2.06 2.42 2.80 3.60	0.06 0.10 0.14 0.25
PCS 1900MHz 4x45W-65MHz	A	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	0.06 0.08 0.11 0.17
PCS 1900MHz 4x45W-65MHz	B	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	0.06 0.08 0.11 0.17
PCS 1900MHz 4x45W-65MHz	C	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	0.06 0.08 0.11 0.17
(2) RRH2X50-800	A	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.70 1.86 2.03 2.40	1.28 1.43 1.58 1.91	0.05 0.07 0.09 0.14
(2) RRH2X50-800	B	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.70 1.86 2.03 2.40	1.28 1.43 1.58 1.91	0.05 0.07 0.09 0.14
(2) RRH2X50-800	C	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.70 1.86 2.03 2.40	1.28 1.43 1.58 1.91	0.05 0.07 0.09 0.14
FZHN	A	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.02 2.20 2.38 2.77	0.61 0.71 0.83 1.09	0.04 0.06 0.07 0.12
FZHN	B	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.02 2.20 2.38 2.77	0.61 0.71 0.83 1.09	0.04 0.06 0.07 0.12
FZHN	C	From Leg	4.00 0.000 2.000	0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.02 2.20 2.38 2.77	0.61 0.71 0.83 1.09	0.04 0.06 0.07 0.12
Platform Mount [LP 301-1]	C	None		0.000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	23.81 30.24 36.33 48.05	23.81 30.24 36.33 48.05	1.59 2.10 2.73 4.34
140									
(2) DB846H80E-SX w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice 1/2" Ice 1" Ice	4.12 4.76 5.42 6.78	6.38 7.05 7.74 9.17	0.05 0.10 0.17 0.32

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice			
(2) DB846F65ZAXY w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	6.10	6.81	0.06
						1/2" Ice	6.80	7.52	0.12
						1" Ice	7.51	8.24	0.19
						2" Ice	8.98	9.73	0.37
(2) DB846H80E-SX w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	4.12	6.38	0.05
						1/2" Ice	4.76	7.05	0.10
						1" Ice	5.42	7.74	0.17
						2" Ice	6.78	9.17	0.32
(2) JAHH-65B-R3B w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	5.50	4.38	0.10
						1/2" Ice	5.97	4.84	0.17
						1" Ice	6.45	5.30	0.25
						2" Ice	7.44	6.26	0.46
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	5.50	4.38	0.10
						1/2" Ice	5.97	4.84	0.17
						1" Ice	6.45	5.30	0.25
						2" Ice	7.44	6.26	0.46
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	5.50	4.38	0.10
						1/2" Ice	5.97	4.84	0.17
						1" Ice	6.45	5.30	0.25
						2" Ice	7.44	6.26	0.46
(2) RFV01U-D2A	A	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	1.88	1.01	0.07
						1/2" Ice	2.05	1.14	0.09
						1" Ice	2.22	1.28	0.11
						2" Ice	2.60	1.59	0.15
RFV01U-D2A	B	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	1.88	1.01	0.07
						1/2" Ice	2.05	1.14	0.09
						1" Ice	2.22	1.28	0.11
						2" Ice	2.60	1.59	0.15
RFV01U-D1A	B	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	1.88	1.25	0.08
						1/2" Ice	2.05	1.39	0.10
						1" Ice	2.22	1.54	0.12
						2" Ice	2.60	1.86	0.18
(2) RFV01U-D1A	C	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	1.88	1.25	0.08
						1/2" Ice	2.05	1.39	0.10
						1" Ice	2.22	1.54	0.12
						2" Ice	2.60	1.86	0.18
FDJ85020Q7-S1	A	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	0.96	0.36	0.02
						1/2" Ice	1.09	0.43	0.03
						1" Ice	1.24	0.52	0.04
						2" Ice	1.54	0.71	0.08
FDJ85020Q7-S1	B	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	0.96	0.36	0.02
						1/2" Ice	1.09	0.43	0.03
						1" Ice	1.24	0.52	0.04
						2" Ice	1.54	0.71	0.08
FDJ85020Q7-S1	C	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	0.96	0.36	0.02
						1/2" Ice	1.09	0.43	0.03
						1" Ice	1.24	0.52	0.04
						2" Ice	1.54	0.71	0.08
RVZDC-6627-PF-48	A	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice	3.79	2.51	0.03
						1/2" Ice	4.04	2.73	0.06
						1" Ice	4.30	2.95	0.10
						1" Ice	4.84	3.42	0.18

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice			
RVZDC-6627-PF-48	B	From Centroid-Leg	4.00 0.000 0.000	0.000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.04 4.30 4.84	2.51 2.73 2.95 3.42	0.03 0.06 0.10 0.18
Platform Mount [LP 304-1]	C	None		0.000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.49 21.37 25.28 33.17	17.49 21.37 25.28 33.17	1.35 1.71 2.13 3.16
130									
7770.00 w/ Mount Pipe	A	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.25 13.00 13.76 15.34	6.05 6.71 7.39 8.79	0.09 0.18 0.27 0.51
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.25 13.00 13.76 15.34	6.05 6.71 7.39 8.79	0.09 0.18 0.27 0.51
OPA65R-BU6D w/ Mount Pipe	C	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.25 13.00 13.76 15.34	6.05 6.71 7.39 8.79	0.09 0.18 0.27 0.51
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DC6-48-60-18-8F	A	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.02 0.04 0.07 0.13
RRUS 4478 B14	A	From Leg	4.00 0.000 0.000	0.000	130.00	No Ice 1/2" Ice Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice	2.57	1.66	0.14
						2" Ice			
RRUS 4478 B14	B	From Leg	4.00	0.000	130.00	No Ice	1.84	1.06	0.06
			0.000			1/2"	2.01	1.20	0.08
			0.000			Ice	2.19	1.34	0.09
						1" Ice	2.57	1.66	0.14
						2" Ice			
RRUS 4478 B14	C	From Leg	4.00	0.000	130.00	No Ice	1.84	1.06	0.06
			0.000			1/2"	2.01	1.20	0.08
			0.000			Ice	2.19	1.34	0.09
						1" Ice	2.57	1.66	0.14
						2" Ice			
RRUS 4449 B5/B12	A	From Leg	4.00	0.000	130.00	No Ice	1.97	1.41	0.07
			0.000			1/2"	2.14	1.56	0.09
			0.000			Ice	2.33	1.73	0.11
						1" Ice	2.72	2.07	0.16
						2" Ice			
RRUS 4449 B5/B12	B	From Leg	4.00	0.000	130.00	No Ice	1.97	1.41	0.07
			0.000			1/2"	2.14	1.56	0.09
			0.000			Ice	2.33	1.73	0.11
						1" Ice	2.72	2.07	0.16
						2" Ice			
RRUS 4449 B5/B12	C	From Leg	4.00	0.000	130.00	No Ice	1.97	1.41	0.07
			0.000			1/2"	2.14	1.56	0.09
			0.000			Ice	2.33	1.73	0.11
						1" Ice	2.72	2.07	0.16
						2" Ice			
RRUS 8843 B2/B66A	A	From Leg	4.00	0.000	130.00	No Ice	1.64	1.35	0.07
			0.000			1/2"	1.80	1.50	0.09
			0.000			Ice	1.97	1.65	0.11
						1" Ice	2.32	1.99	0.16
						2" Ice			
RRUS 8843 B2/B66A	B	From Leg	4.00	0.000	130.00	No Ice	1.64	1.35	0.07
			0.000			1/2"	1.80	1.50	0.09
			0.000			Ice	1.97	1.65	0.11
						1" Ice	2.32	1.99	0.16
						2" Ice			
RRUS 8843 B2/B66A	C	From Leg	4.00	0.000	130.00	No Ice	1.64	1.35	0.07
			0.000			1/2"	1.80	1.50	0.09
			0.000			Ice	1.97	1.65	0.11
						1" Ice	2.32	1.99	0.16
						2" Ice			
1001940	A	From Leg	4.00	0.000	130.00	No Ice	0.18	0.08	0.00
			0.000			1/2"	0.23	0.13	0.00
			0.000			Ice	0.30	0.18	0.01
						1" Ice	0.44	0.30	0.01
						2" Ice			
1001940	B	From Leg	4.00	0.000	130.00	No Ice	0.18	0.08	0.00
			0.000			1/2"	0.23	0.13	0.00
			0.000			Ice	0.30	0.18	0.01
						1" Ice	0.44	0.30	0.01
						2" Ice			
1001940	C	From Leg	4.00	0.000	130.00	No Ice	0.18	0.08	0.00
			0.000			1/2"	0.23	0.13	0.00
			0.000			Ice	0.30	0.18	0.01
						1" Ice	0.44	0.30	0.01
						2" Ice			
DC6-48-60-18-8F	C	From Leg	3.00	0.000	130.00	No Ice	1.21	1.21	0.02
			0.000			1/2"	1.89	1.89	0.04
			0.000			Ice	2.11	2.11	0.07
						1" Ice	2.57	2.57	0.13
						2" Ice			
4' x 2" Pipe Mount	A	From Leg	2.00	0.000	130.00	No Ice	0.79	0.79	0.03
			0.000			1/2"	1.03	1.03	0.04
			0.000			Ice	1.28	1.28	0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice	1.81	1.81	0.07
						2" Ice			
4' x 2" Pipe Mount	B	From Leg	2.00	0.000	130.00	No Ice	0.79	0.79	0.03
			0.000			1/2" Ice	1.03	1.03	0.04
			0.000			1" Ice	1.28	1.28	0.04
						2" Ice	1.81	1.81	0.07
4' x 2" Pipe Mount	C	From Leg	2.00	0.000	130.00	No Ice	0.79	0.79	0.03
			0.000			1/2" Ice	1.03	1.03	0.04
			0.000			1" Ice	1.28	1.28	0.04
						2" Ice	1.81	1.81	0.07
Side Arm Mount [SO 102-3]	C	None		0.000	130.00	No Ice	3.60	3.60	0.07
						1/2" Ice	4.18	4.18	0.11
						1" Ice	4.75	4.75	0.14
						2" Ice	5.90	5.90	0.20
Side Arm Mount [SO 701-3]	C	None		0.000	130.00	No Ice	3.02	3.02	0.20
						1/2" Ice	4.18	4.18	0.24
						1" Ice	5.33	5.33	0.28
						2" Ice	7.63	7.63	0.36
Platform Mount [LP 304-1]	C	None		0.000	130.00	No Ice	17.49	17.49	1.35
						1/2" Ice	21.37	21.37	1.71
						1" Ice	25.28	25.28	2.13
						2" Ice	33.17	33.17	3.16
80									
KS24019-L112A	C	From Leg	3.00	30.000	80.00	No Ice	0.10	0.10	0.01
			0.000			1/2" Ice	0.18	0.18	0.01
			1.000			1" Ice	0.26	0.26	0.01
						2" Ice	0.42	0.42	0.01
Side Arm Mount [SO 701-1]	C	From Leg	1.50	30.000	80.00	No Ice	0.85	1.67	0.07
			0.000			1/2" Ice	1.14	2.34	0.08
			0.000			1" Ice	1.43	3.01	0.09
						2" Ice	2.01	4.35	0.12
*********									
*********									

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

Comb. No.	Description
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
L1	150 - 145	Pole	Max Tension	42	0.00	0.02	-0.01
			Max. Compression	26	-7279.90	-1.93	23.46
			Max. Mx	8	-2766.50	-24881.75	-8.71
			Max. My	14	-2767.30	-14.55	-24878.43
			Max. Vy	8	4172.45	-24881.75	-8.71
			Max. Vx	14	4171.91	-14.55	-24878.43
			Max. Torque	14			-3.44
L2	145 - 140	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-7650.21	-3.83	48.31
			Max. Mx	8	-2953.03	-46342.63	-17.89
			Max. My	14	-2953.88	-28.83	-46335.75
			Max. Vy	8	4416.45	-46342.63	-17.89
			Max. Vx	14	4415.88	-28.83	-46335.75
			Max. Torque	14			-3.48
L3	140 - 133.71	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-16061.01	-671.56	85.01
			Max. Mx	8	-5964.97	-80072.21	-392.19
			Max. My	14	-5969.69	-407.95	-79909.10
			Max. Vy	8	9160.62	-80072.21	-392.19
			Max. Vx	14	9137.47	-407.95	-79909.10
			Max. Torque	2			-451.32
L4	133.71 - 131.293	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-16822.92	-676.32	120.95

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
			Max. Mx	8	-6465.39	-126601.26	-813.38
			Max. My	14	-6469.98	-836.35	-126321.42
			Max. Vy	8	9450.14	-126601.26	-813.38
			Max. Vx	14	9426.94	-836.35	-126321.42
			Max. Torque	2			-451.06
L5	131.293 - 126.293	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-25772.75	-391.73	458.50
			Max. Mx	8	-10112.30	-193326.92	-1186.81
			Max. My	14	-10117.50	-1225.31	-192923.05
			Max. Vy	8	14814.86	-193326.92	-1186.81
			Max. Vx	14	14791.14	-1225.31	-192923.05
			Max. Torque	2			-450.93
L6	126.293 - 121.293	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-26511.81	-431.55	523.98
			Max. Mx	8	-10698.89	-268016.69	-1612.08
			Max. My	14	-10703.74	-1677.53	-267474.00
			Max. Vy	8	15072.08	-268016.69	-1612.08
			Max. Vx	14	15048.41	-1677.53	-267474.00
			Max. Torque	24			-359.87
L7	121.293 - 116.293	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27282.10	-471.39	590.13
			Max. Mx	8	-11324.49	-343978.52	-2036.40
			Max. My	14	-11328.94	-2128.51	-343296.20
			Max. Vy	8	15326.70	-343978.52	-2036.40
			Max. Vx	14	15303.11	-2128.51	-343296.20
			Max. Torque	24			-359.47
L8	116.293 - 111.293	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28083.51	-511.30	656.92
			Max. Mx	8	-11984.25	-421205.53	-2459.27
			Max. My	14	-11988.26	-2577.97	-420382.92
			Max. Vy	8	15580.45	-421205.53	-2459.27
			Max. Vx	14	15556.97	-2577.97	-420382.92
			Max. Torque	24			-359.03
L9	111.293 - 108.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28651.70	-527.67	728.72
			Max. Mx	8	-12400.85	-468830.20	-2715.77
			Max. My	14	-12404.58	-2850.68	-467921.93
			Max. Vy	8	15735.11	-468830.20	-2715.77
			Max. Vx	14	15711.70	-2850.68	-467921.93
			Max. Torque	24			-358.60

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
L10	108.25 - 108	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28720.02	-529.41	738.42
			Max. Mx	8	-12462.24	-472765.42	-2737.47
			Max. My	14	-12465.92	-2874.60	-471850.10
			Max. Vy	8	15754.88	-472765.42	-2737.47
			Max. Vx	14	15731.44	-2874.60	-471850.10
			Max. Torque	24			-358.38
L11	108 - 103	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-30093.29	-548.81	884.34
			Max. Mx	8	-13434.08	-552920.50	-3157.43
			Max. My	14	-13437.57	-3321.43	-551863.72
			Max. Vy	8	16315.43	-552920.50	-3157.43
			Max. Vx	14	16292.05	-3321.43	-551863.72
			Max. Torque	24			-358.36
L12	103 - 98	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31496.73	-569.01	1037.30
			Max. Mx	8	-14440.49	-635884.09	-3577.79
			Max. My	14	-14443.76	-3770.20	-634684.85
			Max. Vy	8	16881.49	-635884.09	-3577.79
			Max. Vx	14	16858.15	-3770.20	-634684.85
			Max. Torque	24			-358.15
L13	98 - 93	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-32930.10	-589.38	1194.92
			Max. Mx	8	-15475.46	-721692.97	-3997.75
			Max. My	14	-15478.50	-4219.31	-720350.38
			Max. Vy	8	17454.41	-721692.97	-3997.75
			Max. Vx	14	17431.12	-4219.31	-720350.38
			Max. Torque	24			-357.95
L14	93 - 88.0833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33246.54	-593.85	1230.01
			Max. Mx	8	-15703.97	-740665.16	-4088.62
			Max. My	14	-15706.97	-4316.69	-739291.30
			Max. Vy	8	17579.36	-740665.16	-4088.62
			Max. Vx	14	17556.08	-4316.69	-739291.30
			Max. Torque	24			-357.75
L15	88.0833 - 86.9166	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35668.02	-614.50	1392.59
			Max. Mx	8	-17505.97	-830258.17	-4509.14
			Max. My	14	-17508.84	-4767.48	-828739.90
			Max. Vy	8	18249.67	-830258.17	-4509.14
			Max. Vx	14	18226.36	-4767.48	-828739.90
			Max. Torque	24			-357.65
L16	86.9166 - 85.167	Pole	Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
			Max. Compression	26	-36220.68	-621.67	1449.59
			Max. Mx	8	-17913.33	-862352.94	-4656.45
			Max. My	14	-17916.13	-4925.38	-860784.02
			Max. Vy	8	18457.47	-862352.94	-4656.45
			Max. Vx	14	18434.18	-4925.38	-860784.02
			Max. Torque	24			-357.60
L17	85.167 - 84.917	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36300.10	-623.66	1461.12
			Max. Mx	8	-17986.12	-866968.33	-4678.05
			Max. My	14	-17988.88	-4948.95	-865392.16
			Max. Vy	8	18476.93	-866968.33	-4678.05
			Max. Vx	14	18453.63	-4948.95	-865392.16
			Max. Torque	24			-357.56
L18	84.917 - 79.917	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-38025.97	-338.80	1448.75
			Max. Mx	20	-19259.41	960594.45	5226.11
			Max. My	14	-19259.35	-5211.51	-959188.53
			Max. Vy	8	19106.88	-960591.36	-5209.83
			Max. Vx	14	19118.62	-5211.51	-959188.53
			Max. Torque	24			-357.54
L19	79.917 - 77	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-38976.38	-351.01	1547.44
			Max. Mx	8	-19971.57	-1016801.90	-5454.75
			Max. My	14	-19971.69	-5474.83	-1015415.90
			Max. Vy	8	19450.99	-1016801.90	-5454.75
			Max. Vx	14	19462.77	-5474.83	-1015415.90
			Max. Torque	11			176.81
L20	77 - 76.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39052.37	-352.72	1557.98
			Max. Mx	8	-20039.50	-1021665.84	-5476.09
			Max. My	14	-20039.61	-5498.08	-1020281.26
			Max. Vy	8	19471.33	-1021665.84	-5476.09
			Max. Vx	14	19483.11	-5498.08	-1020281.26
			Max. Torque	11			176.77
L21	76.75 - 75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39586.56	-358.06	1608.32
			Max. Mx	8	-20421.04	-1055907.62	-5622.39

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
			Max. My	14	-20421.14	-5655.39	-1054533.02
			Max. Vy	8	19681.78	-1055907.62	-5622.39
			Max. Vx	14	19693.59	-5655.39	-1054533.02
			Max. Torque	11			176.74
L22	75 - 74.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39669.39	-359.94	1619.53
			Max. Mx	8	-20500.22	-1060828.13	-5643.75
			Max. My	14	-20500.31	-5678.73	-1059454.94
			Max. Vy	8	19697.78	-1060828.13	-5643.75
			Max. Vx	14	19709.59	-5678.73	-1059454.94
			Max. Torque	11			176.72
L23	74.75 - 69.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41336.48	-377.32	1772.37
			Max. Mx	8	-21758.26	-1160754.17	-6061.41
			Max. My	14	-21758.32	-6129.21	-1159408.95
			Max. Vy	8	20285.29	-1160754.17	-6061.41
			Max. Vx	14	20297.19	-6129.21	-1159408.95
			Max. Torque	11			176.71
L24	69.75 - 65.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42922.44	-394.87	1921.54
			Max. Mx	8	-22979.22	-1256129.91	-6450.19
			Max. My	14	-22979.25	-6549.85	-1254810.13
			Max. Vy	8	20604.23	-1256129.91	-6450.19
			Max. Vx	14	20616.20	-6549.85	-1254810.13
			Max. Torque	11			176.61
L25	65.083 - 64.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43008.49	-396.66	1932.62
			Max. Mx	8	-23054.79	-1261281.19	-6471.23
			Max. My	14	-23054.82	-6572.87	-1259962.75
			Max. Vy	8	20615.05	-1261281.19	-6471.23

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
			Max. Vx	14	20627.02	-6572.87	-1259962.75
			Max. Torque	11			176.53
L26	64.833 - 59.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44739.93	-415.37	2093.83
			Max. Mx	8	-24385.29	-1365180.24	-6885.78
			Max. My	14	-24385.29	-7022.40	-1363888.28
			Max. Vy	8	20956.49	-1365180.24	-6885.78
			Max. Vx	14	20968.54	-7022.40	-1363888.28
			Max. Torque	11			176.52
L27	59.833 - 54.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46503.14	-435.52	2261.65
			Max. Mx	8	-25752.75	-1470750.02	-7298.68
			Max. My	14	-25752.73	-7471.54	-1469483.77
			Max. Vy	8	21288.05	-1470750.02	-7298.68
			Max. Vx	14	21300.17	-7471.54	-1469483.77
			Max. Torque	11			176.43
L28	54.833 - 49.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48297.56	-456.32	2432.98
			Max. Mx	8	-27149.89	-1577957.72	-7709.47
			Max. My	14	-27149.85	-7919.60	-1576716.42
			Max. Vy	8	21612.38	-1577957.72	-7709.47
			Max. Vx	14	21624.58	-7919.60	-1576716.42
			Max. Torque	11			176.36
L29	49.833 - 43.4966	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48783.98	-462.01	2479.55
			Max. Mx	8	-27525.93	-1606885.53	-7818.81
			Max. My	14	-27525.89	-8039.22	-1605650.61
			Max. Vy	8	21700.60	-1606885.53	-7818.81
			Max. Vx	14	21712.82	-8039.22	-1605650.61
			Max. Torque	11			176.28

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
L30	43.4966 - 42.4966	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52472.43	-487.92	2689.78
			Max. Mx	8	-30396.72	-1738523.10	-8309.75
			Max. My	14	-30396.68	-8576.48	-1737316.89
			Max. Vy	8	22178.56	-1738523.10	-8309.75
			Max. Vx	14	22190.78	-8576.48	-1737316.89
			Max. Torque	11			176.23
L31	42.4966 - 37.4966	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54316.59	-509.87	2864.82
			Max. Mx	8	-31851.67	-1850071.14	-8717.21
			Max. My	14	-31851.62	-9023.03	-1848888.39
			Max. Vy	8	22461.96	-1850071.14	-8717.21
			Max. Vx	14	22474.26	-9023.03	-1848888.39
			Max. Torque	11			176.22
L32	37.4966 - 33	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55999.98	-530.15	3024.12
			Max. Mx	8	-33182.65	-1951577.95	-9081.12
			Max. My	14	-33182.60	-9422.92	-1950415.66
			Max. Vy	8	22709.58	-1951577.95	-9081.12
			Max. Vx	14	22721.95	-9422.92	-1950415.66
			Max. Torque	11			176.16
L33	33 - 32.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56106.71	-531.95	3035.39
			Max. Mx	8	-33278.34	-1957254.50	-9101.32
			Max. My	14	-33278.29	-9445.21	-1956093.32
			Max. Vy	8	22714.49	-1957254.50	-9101.32
			Max. Vx	14	22726.87	-9445.21	-1956093.32
			Max. Torque	11			176.12
L34	32.75 - 32	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56427.16	-534.85	3060.19
			Max. Mx	8	-33533.36	-1974305.03	-9161.73

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
			Max. My	14	-33533.31	-9511.65	-1973147.20
			Max. Vy	8	22761.88	-1974305.03	-9161.73
			Max. Vx	14	22774.26	-9511.65	-1973147.20
			Max. Torque	11			176.11
L35	32 - 31.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56528.04	-536.45	3070.73
			Max. Mx	8	-33618.32	-1979996.27	-9181.89
			Max. My	14	-33618.27	-9533.90	-1978839.55
			Max. Vy	8	22773.32	-1979996.27	-9181.89
			Max. Vx	14	22785.71	-9533.90	-1978839.55
			Max. Torque	11			176.11
L36	31.75 - 30	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57235.28	-543.94	3131.11
			Max. Mx	8	-34172.01	-2019929.45	-9322.60
			Max. My	14	-34171.96	-9688.88	-2018780.45
			Max. Vy	8	22887.28	-2019929.45	-9322.60
			Max. Vx	14	22899.68	-9688.88	-2018780.45
			Max. Torque	11			176.10
L37	30 - 29.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57338.75	-545.69	3138.92
			Max. Mx	8	-34267.55	-2025648.41	-9342.72
			Max. My	14	-34267.50	-9711.08	-2024500.50
			Max. Vy	8	22883.59	-2025648.41	-9342.72
			Max. Vx	14	22896.00	-9711.08	-2024500.50
			Max. Torque	11			176.09
L38	29.75 - 24.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59414.48	-568.78	3251.46
			Max. Mx	8	-35900.46	-2140728.08	-9742.71
			Max. My	14	-35900.42	-10152.62	-2139601.64
			Max. Vy	8	23161.44	-2140728.08	-9742.71

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
			Max. Vx	14	23173.91	-10152.62	-2139601.64
			Max. Torque	11			176.09
L39	24.75 - 19.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61513.69	-593.03	3366.11
			Max. Mx	8	-37568.20	-2257163.95	-10139.61
			Max. My	14	-37568.16	-10592.06	-2256058.17
			Max. Vy	8	23433.61	-2257163.95	-10139.61
			Max. Vx	14	23446.15	-10592.06	-2256058.17
			Max. Torque	11			176.05
L40	19.75 - 14.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63633.30	-617.94	3480.25
			Max. Mx	8	-39263.62	-2374963.80	-10533.23
			Max. My	14	-39263.58	-11029.17	-2373877.88
			Max. Vy	8	23707.39	-2374963.80	-10533.23
			Max. Vx	14	23720.00	-11029.17	-2373877.88
			Max. Torque	11			176.02
L41	14.75 - 9.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65768.36	-643.49	3592.66
			Max. Mx	8	-40985.89	-2494139.74	-10923.40
			Max. My	14	-40985.86	-11463.77	-2493072.86
			Max. Vy	8	23984.24	-2494139.74	-10923.40
			Max. Vx	14	23996.90	-11463.77	-2493072.86
			Max. Torque	11			176.00
L42	9.75 - 4.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67909.22	-669.71	3700.99
			Max. Mx	8	-42736.76	-2614699.70	-11309.98
			Max. My	14	-42736.74	-11895.68	-2613651.06
			Max. Vy	10	24359.09	-2398323.88	-1390668.74
			Max. Vx	12	24360.38	-1391370.06	-2397127.61
			Max. Torque	11			175.98
L43	4.75 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69921.14	-695.23	3793.78

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
			Max. Mx	8	-44423.77	-2730520.70	-11673.74
			Max. My	14	-44423.77	-12303.35	-2729488.63
			Max. Vy	10	24819.87	-2515070.12	-1458290.07
			Max. Vx	12	24820.66	-1458977.50	-2513834.97
			Max. Torque	11			175.97

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical lb	Horizontal, X lb	Horizontal, Z lb
Pole	Max. Vert	26	69921.14	-0.01	0.02
	Max. H_x	19	33325.78	24722.07	-14233.44
	Max. H_z	2	44434.37	80.11	22752.75
	Max. M_x	2	2566947.28	80.11	22752.75
	Max. M_z	8	2730520.70	-24511.04	-80.11
	Max. Torsion	11	175.97	-24802.19	-14372.19
	Min. Vert	13	33325.78	-14359.87	-24802.99
	Min. H_x	10	44434.37	-24802.19	-14372.19
	Min. H_z	12	44434.37	-14359.87	-24802.99
	Min. M_x	14	-2729488.63	-80.11	-24523.83
	Min. M_z	20	-2729797.30	24511.04	80.11
	Min. Torsion	23	-174.01	22101.36	12812.87

Tower Mast Reaction Summary

Load Combination	Vertical lb	$Shear_x$ lb	$Shear_z$ lb	Overturning Moment, M_x lb-ft	Overturning Moment, M_z lb-ft	Torque lb-ft
Dead Only	37028.64	0.00	0.00	-219.78	-287.24	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	44434.37	-80.11	-22752.75	-2566947.28	11589.08	112.97
0.9 Dead+1.0 Wind 0 deg - No Ice	33325.78	-80.11	-22752.75	-2527998.43	11481.88	110.06
1.2 Dead+1.0 Wind 30 deg - No Ice	44434.37	12101.68	-21051.91	-2237680.13	-1285433.15	28.00
0.9 Dead+1.0 Wind 30 deg - No Ice	33325.78	12101.68	-21051.91	-2203984.47	-1266028.29	23.67
1.2 Dead+1.0 Wind 60 deg - No Ice	44434.37	22021.25	-12674.11	-1352455.68	-2354709.38	-64.93
0.9 Dead+1.0 Wind 60 deg - No Ice	33325.78	22021.25	-12674.11	-1332343.17	-2319678.04	-69.62
1.2 Dead+1.0 Wind 90 deg - No Ice	44434.37	24511.04	80.11	11673.76	-2730520.70	-139.36
0.9 Dead+1.0 Wind 90 deg - No Ice	33325.78	24511.03	80.11	11543.86	-2689788.35	-143.10
1.2 Dead+1.0 Wind 120 deg - No Ice	44434.37	24802.19	14372.19	1458290.09	-2515070.11	-174.10
0.9 Dead+1.0 Wind 120 deg - No Ice	33325.78	24802.19	14372.19	1437309.84	-2478692.89	-175.97
1.2 Dead+1.0 Wind 150 deg - No Ice	44434.37	14359.87	24802.99	2513834.98	-1458977.48	-161.82

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	lb	lb	lb	lb-ft	lb-ft	lb-ft
0.9 Dead+1.0 Wind 150 deg - No Ice	33325.78	14359.87	24802.99	2477643.45	-1437819.52	-161.25
1.2 Dead+1.0 Wind 180 deg - No Ice	44434.37	80.11	24523.83	2729488.63	-12303.34	-107.31
0.9 Dead+1.0 Wind 180 deg - No Ice	33325.78	80.11	24523.83	2688947.90	-12010.21	-104.47
1.2 Dead+1.0 Wind 210 deg - No Ice	44434.37	-14217.88	24717.27	2501262.58	1437211.26	-26.02
0.9 Dead+1.0 Wind 210 deg - No Ice	33325.78	-14217.88	24717.27	2465274.91	1416587.94	-21.60
1.2 Dead+1.0 Wind 240 deg - No Ice	44434.37	-24722.07	14233.44	1437658.13	2502506.18	61.47
0.9 Dead+1.0 Wind 240 deg - No Ice	33325.78	-24722.07	14233.44	1417020.95	2466508.96	66.26
1.2 Dead+1.0 Wind 270 deg - No Ice	44434.37	-24511.04	-80.11	-12216.46	2729797.30	133.86
0.9 Dead+1.0 Wind 270 deg - No Ice	33325.78	-24511.03	-80.11	-11946.13	2689253.04	137.68
1.2 Dead+1.0 Wind 300 deg - No Ice	44434.37	-22101.36	-12812.87	-1373086.39	2365835.73	172.15
0.9 Dead+1.0 Wind 300 deg - No Ice	33325.78	-22101.36	-12812.87	-1352632.33	2330799.08	174.01
1.2 Dead+1.0 Wind 330 deg - No Ice	44434.37	-12243.67	-21137.63	-2250259.30	1305774.69	165.53
0.9 Dead+1.0 Wind 330 deg - No Ice	33325.78	-12243.67	-21137.63	-2216360.68	1286207.50	164.86
1.2 Dead+1.0 Ice+1.0 Temp	69921.14	0.01	-0.02	-3793.78	-695.23	0.15
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	69921.14	-11.63	-4987.06	-582227.27	1131.54	1.36
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	69921.14	2480.95	-4315.83	-503881.62	-288025.62	-13.88
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	69921.14	4311.05	-2486.36	-291732.84	-500562.49	-25.38
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	69921.14	4985.19	11.63	-2120.86	-579140.62	-30.01
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	69921.14	4375.33	2536.89	289325.53	-506464.33	-26.51
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	69921.14	2531.44	4380.03	502026.69	-293701.20	-15.85
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	69921.14	11.63	4993.36	574923.49	-2590.26	-0.88
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	69921.14	-2511.30	4368.40	500166.58	289019.77	14.20
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	69921.14	-4363.70	2516.75	286102.80	503145.50	25.55
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	69921.14	-4985.19	-11.63	-5842.66	577681.85	30.14
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	69921.14	-4322.69	-2506.50	-294955.50	500963.82	26.73
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	69921.14	-2501.09	-4327.46	-505741.66	289789.59	16.21
Dead+Wind 0 deg - Service	37028.64	-14.90	-4235.47	-474257.29	1903.27	21.18
Dead+Wind 30 deg - Service	37028.64	2252.67	-3918.70	-413467.58	-237648.45	4.97
Dead+Wind 60 deg - Service	37028.64	4099.04	-2359.17	-250015.00	-435209.84	-12.54
Dead+Wind 90 deg - Service	37028.64	4562.59	14.90	1974.69	-504629.56	-26.68
Dead+Wind 120 deg - Service	37028.64	4616.41	2675.08	269280.04	-464962.83	-33.57
Dead+Wind 150 deg - Service	37028.64	2672.78	4616.55	464323.30	-269817.67	-31.48
Dead+Wind 180 deg - Service	37028.64	14.90	4564.97	504027.65	-2502.90	-20.98
Dead+Wind 210 deg - Service	37028.64	-2646.37	4600.61	461986.03	265324.68	-4.96
Dead+Wind 240 deg - Service	37028.64	-4601.50	2649.26	265464.43	462160.57	12.37
Dead+Wind 270 deg - Service	37028.64	-4562.59	-14.90	-2431.48	504029.73	26.47
Dead+Wind 300 deg - Service	37028.64	-4113.94	-2384.98	-253830.46	436812.56	33.53

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	lb	lb	lb	lb-ft	lb-ft	lb-ft
Dead+Wind 330 deg - Service	37028.64	-2279.09	-3934.65	-415804.76	240942.12	31.64

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	lb	lb	lb	lb	lb	lb	
1	0.00	-37028.64	0.00	0.00	37028.64	0.00	0.000%
2	-80.11	-44434.37	-22752.75	80.11	44434.37	22752.75	0.000%
3	-80.11	-33325.78	-22752.75	80.11	33325.78	22752.75	0.000%
4	12101.68	-44434.37	-21051.91	-12101.68	44434.37	21051.91	0.000%
5	12101.68	-33325.78	-21051.91	-12101.68	33325.78	21051.91	0.000%
6	22021.25	-44434.37	-12674.11	-22021.25	44434.37	12674.11	0.000%
7	22021.25	-33325.78	-12674.11	-22021.25	33325.78	12674.11	0.000%
8	24511.03	-44434.37	80.11	-24511.04	44434.37	-80.11	0.000%
9	24511.03	-33325.78	80.11	-24511.03	33325.78	-80.11	0.000%
10	24802.19	-44434.37	14372.19	-24802.19	44434.37	-14372.19	0.000%
11	24802.19	-33325.78	14372.19	-24802.19	33325.78	-14372.19	0.000%
12	14359.87	-44434.37	24802.99	-14359.87	44434.37	-24802.99	0.000%
13	14359.87	-33325.78	24802.99	-14359.87	33325.78	-24802.99	0.000%
14	80.11	-44434.37	24523.83	-80.11	44434.37	-24523.83	0.000%
15	80.11	-33325.78	24523.83	-80.11	33325.78	-24523.83	0.000%
16	-14217.88	-44434.37	24717.27	14217.88	44434.37	-24717.27	0.000%
17	-14217.88	-33325.78	24717.27	14217.88	33325.78	-24717.27	0.000%
18	-24722.07	-44434.37	14233.44	24722.07	44434.37	-14233.44	0.000%
19	-24722.07	-33325.78	14233.44	24722.07	33325.78	-14233.44	0.000%
20	-24511.03	-44434.37	-80.11	24511.04	44434.37	80.11	0.000%
21	-24511.03	-33325.78	-80.11	24511.03	33325.78	80.11	0.000%
22	-22101.36	-44434.37	-12812.87	22101.36	44434.37	12812.87	0.000%
23	-22101.36	-33325.78	-12812.87	22101.36	33325.78	12812.87	0.000%
24	-12243.67	-44434.37	-21137.63	12243.67	44434.37	21137.63	0.000%
25	-12243.67	-33325.78	-21137.63	12243.67	33325.78	21137.63	0.000%
26	0.00	-69921.14	0.00	-0.01	69921.14	0.02	0.000%
27	-11.63	-69921.14	-4987.05	11.63	69921.14	4987.06	0.000%
28	2480.94	-69921.14	-4315.82	-2480.95	69921.14	4315.83	0.000%
29	4311.05	-69921.14	-2486.35	-4311.05	69921.14	2486.36	0.000%
30	4985.18	-69921.14	11.63	-4985.19	69921.14	-11.63	0.000%
31	4375.32	-69921.14	2536.89	-4375.33	69921.14	-2536.89	0.000%
32	2531.44	-69921.14	4380.02	-2531.44	69921.14	-4380.03	0.000%
33	11.63	-69921.14	4993.35	-11.63	69921.14	-4993.36	0.000%
34	-2511.29	-69921.14	4368.39	2511.30	69921.14	-4368.40	0.000%
35	-4363.69	-69921.14	2516.74	4363.70	69921.14	-2516.75	0.000%
36	-4985.18	-69921.14	-11.63	4985.19	69921.14	11.63	0.000%
37	-4322.68	-69921.14	-2506.50	4322.69	69921.14	2506.50	0.000%
38	-2501.09	-69921.14	-4327.45	2501.09	69921.14	4327.46	0.000%
39	-14.90	-37028.64	-4235.47	14.90	37028.64	4235.47	0.000%
40	2252.67	-37028.64	-3918.70	-2252.67	37028.64	3918.70	0.000%
41	4099.04	-37028.64	-2359.17	-4099.04	37028.64	2359.17	0.000%
42	4562.58	-37028.64	14.90	-4562.59	37028.64	-14.90	0.000%
43	4616.40	-37028.64	2675.08	-4616.41	37028.64	-2675.08	0.000%
44	2672.78	-37028.64	4616.55	-2672.78	37028.64	-4616.55	0.000%
45	14.90	-37028.64	4564.96	-14.90	37028.64	-4564.97	0.000%
46	-2646.37	-37028.64	4600.61	2646.37	37028.64	-4600.61	0.000%
47	-4601.50	-37028.64	2649.26	4601.50	37028.64	-2649.26	0.000%
48	-4562.58	-37028.64	-14.90	4562.59	37028.64	14.90	0.000%
49	-4113.94	-37028.64	-2384.98	4113.94	37028.64	2384.98	0.000%
50	-2279.09	-37028.64	-3934.65	2279.09	37028.64	3934.65	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	0.00048407
3	Yes	5	0.00000001	0.00019520
4	Yes	7	0.00000001	0.00019255
5	Yes	6	0.00000001	0.00091540
6	Yes	7	0.00000001	0.00020496
7	Yes	6	0.00000001	0.00096744
8	Yes	5	0.00000001	0.00049887
9	Yes	5	0.00000001	0.00019654
10	Yes	7	0.00000001	0.00021468
11	Yes	7	0.00000001	0.00004778
12	Yes	7	0.00000001	0.00021640
13	Yes	7	0.00000001	0.00004825
14	Yes	5	0.00000001	0.00085562
15	Yes	5	0.00000001	0.00037610
16	Yes	7	0.00000001	0.00021223
17	Yes	6	0.00000001	0.00099178
18	Yes	7	0.00000001	0.00021241
19	Yes	6	0.00000001	0.00099241
20	Yes	5	0.00000001	0.00084861
21	Yes	5	0.00000001	0.00037720
22	Yes	7	0.00000001	0.00020855
23	Yes	6	0.00000001	0.00098356
24	Yes	7	0.00000001	0.00019459
25	Yes	6	0.00000001	0.00092412
26	Yes	4	0.00000001	0.00056516
27	Yes	7	0.00000001	0.00031823
28	Yes	7	0.00000001	0.00037833
29	Yes	7	0.00000001	0.00037881
30	Yes	7	0.00000001	0.00031709
31	Yes	7	0.00000001	0.00037918
32	Yes	7	0.00000001	0.00037928
33	Yes	7	0.00000001	0.00031396
34	Yes	7	0.00000001	0.00037384
35	Yes	7	0.00000001	0.00037376
36	Yes	7	0.00000001	0.00031543
37	Yes	7	0.00000001	0.00038065
38	Yes	7	0.00000001	0.00038016
39	Yes	4	0.00000001	0.00093973
40	Yes	5	0.00000001	0.00033201
41	Yes	5	0.00000001	0.00036612
42	Yes	4	0.00000001	0.00097567
43	Yes	5	0.00000001	0.00039967
44	Yes	5	0.00000001	0.00040944
45	Yes	4	0.00000001	0.00098888
46	Yes	5	0.00000001	0.00039077
47	Yes	5	0.00000001	0.00039121
48	Yes	4	0.00000001	0.00098874
49	Yes	5	0.00000001	0.00037966
50	Yes	5	0.00000001	0.00033584

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 145	22.943	43	1.561	0.002
L2	145 - 140	21.317	43	1.540	0.002
L3	140 - 133.71	19.724	43	1.500	0.002
L4	136.293 - 131.293	18.576	43	1.455	0.001
L5	131.293 - 126.293	17.071	43	1.412	0.001
L6	126.293 - 121.293	15.626	43	1.345	0.001

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L7	121.293 - 116.293	14.258	43	1.265	0.001
L8	116.293 - 111.293	12.981	43	1.175	0.000
L9	111.293 - 108.25	11.800	43	1.079	0.000
L10	108.25 - 108	11.131	43	1.020	0.000
L11	108 - 103	11.078	43	1.017	0.000
L12	103 - 98	10.040	43	0.965	0.000
L13	98 - 93	9.057	43	0.912	0.000
L14	93 - 88.0833	8.131	43	0.858	0.000
L15	91.9166 - 86.9166	7.938	43	0.846	0.000
L16	86.9166 - 85.167	7.067	43	0.813	0.000
L17	85.167 - 84.917	6.772	43	0.795	0.000
L18	84.917 - 79.917	6.731	43	0.793	0.000
L19	79.917 - 77	5.928	43	0.740	0.000
L20	77 - 76.75	5.486	43	0.709	0.000
L21	76.75 - 75	5.449	43	0.706	0.000
L22	75 - 74.75	5.193	43	0.686	0.000
L23	74.75 - 69.75	5.158	43	0.683	0.000
L24	69.75 - 65.083	4.470	43	0.631	0.000
L25	65.083 - 64.833	3.876	43	0.583	0.000
L26	64.833 - 59.833	3.846	43	0.580	0.000
L27	59.833 - 54.833	3.265	43	0.530	0.000
L28	54.833 - 49.833	2.736	43	0.480	0.000
L29	49.833 - 43.4966	2.260	43	0.430	0.000
L30	48.4966 - 42.4966	2.142	43	0.417	0.000
L31	42.4966 - 37.4966	1.638	43	0.382	0.000
L32	37.4966 - 33	1.265	43	0.331	0.000
L33	33 - 32.75	0.974	43	0.286	0.000
L34	32.75 - 32	0.960	43	0.284	0.000
L35	32 - 31.75	0.915	43	0.278	0.000
L36	31.75 - 30	0.901	43	0.276	0.000
L37	30 - 29.75	0.803	43	0.260	0.000
L38	29.75 - 24.75	0.789	43	0.258	0.000
L39	24.75 - 19.75	0.543	43	0.213	0.000
L40	19.75 - 14.75	0.343	43	0.168	0.000
L41	14.75 - 9.75	0.190	43	0.124	0.000
L42	9.75 - 4.75	0.083	43	0.082	0.000
L43	4.75 - 0	0.019	43	0.039	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	NNVV-65B-R4	43	22.943	1.561	0.002	9131
140.00	(2) DB846H80E-SX w/ Mount Pipe	43	19.724	1.500	0.002	5928
130.00	7770.00 w/ Mount Pipe	43	16.691	1.398	0.001	4661
80.00	KS24019-L112A	43	5.941	0.741	0.000	5406

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 145	123.983	10	8.461	0.009
L2	145 - 140	115.225	10	8.348	0.009

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L3	140 - 133.71	106.642	10	8.129	0.009
L4	136.293 - 131.293	100.453	10	7.890	0.007
L5	131.293 - 126.293	92.336	10	7.656	0.005
L6	126.293 - 121.293	84.539	10	7.295	0.004
L7	121.293 - 116.293	77.157	10	6.856	0.003
L8	116.293 - 111.293	70.256	10	6.368	0.003
L9	111.293 - 108.25	63.876	10	5.852	0.002
L10	108.25 - 108	60.258	10	5.531	0.002
L11	108 - 103	59.970	10	5.517	0.002
L12	103 - 98	54.356	10	5.233	0.001
L13	98 - 93	49.040	10	4.943	0.001
L14	93 - 88.0833	44.027	10	4.650	0.001
L15	91.9166 - 86.9166	42.982	10	4.586	0.001
L16	86.9166 - 85.167	38.266	10	4.409	0.001
L17	85.167 - 84.917	36.671	10	4.311	0.001
L18	84.917 - 79.917	36.446	10	4.297	0.001
L19	79.917 - 77	32.103	10	4.011	0.001
L20	77 - 76.75	29.707	10	3.845	0.001
L21	76.75 - 75	29.506	10	3.829	0.001
L22	75 - 74.75	28.125	10	3.718	0.000
L23	74.75 - 69.75	27.931	10	3.704	0.000
L24	69.75 - 65.083	24.204	10	3.421	0.000
L25	65.083 - 64.833	20.992	10	3.159	0.000
L26	64.833 - 59.833	20.827	10	3.145	0.000
L27	59.833 - 54.833	17.680	10	2.871	0.000
L28	54.833 - 49.833	14.819	10	2.599	0.000
L29	49.833 - 43.4966	12.241	10	2.328	0.000
L30	48.4966 - 42.4966	11.599	10	2.257	0.000
L31	42.4966 - 37.4966	8.868	10	2.067	0.000
L32	37.4966 - 33	6.849	10	1.792	0.000
L33	33 - 32.75	5.276	10	1.550	0.000
L34	32.75 - 32	5.195	10	1.539	0.000
L35	32 - 31.75	4.956	10	1.506	0.000
L36	31.75 - 30	4.877	10	1.494	0.000
L37	30 - 29.75	4.345	10	1.409	0.000
L38	29.75 - 24.75	4.272	10	1.397	0.000
L39	24.75 - 19.75	2.938	10	1.152	0.000
L40	19.75 - 14.75	1.859	10	0.910	0.000
L41	14.75 - 9.75	1.031	10	0.673	0.000
L42	9.75 - 4.75	0.448	10	0.442	0.000
L43	4.75 - 0	0.105	10	0.212	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	NNVV-65B-R4	10	123.983	8.461	0.009	1755
140.00	(2) DB846H80E-SX w/ Mount Pipe	10	106.642	8.129	0.009	1143
130.00	7770.00 w/ Mount Pipe	10	90.285	7.578	0.005	895
80.00	KS24019-L112A	10	32.173	4.016	0.001	1008

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	lb	lb	
L1	150 - 145 (1)	TP14.12x13x0.188	5.00	0.00	0.0	8.292	-2755.49	485069.00	0.006
L2	145 - 140 (2)	TP15.241x14.12x0.188	5.00	0.00	0.0	8.958	-2941.40	524072.00	0.006
L3	140 - 133.71 (3)	TP16.65x15.241x0.188	6.29	0.00	0.0	9.453	-5932.20	552987.00	0.011
L4	133.71 - 131.293 (4)	TP16.804x15.696x0.313	5.00	0.00	0.0	16.358	-6432.33	956927.00	0.007
L5	131.293 - 126.293 (5)	TP17.912x16.804x0.313	5.00	0.00	0.0	17.457	-10066.30	1021220.00	0.010
L6	126.293 - 121.293 (6)	TP19.02x17.912x0.313	5.00	0.00	0.0	18.556	-10653.40	1085520.00	0.010
L7	121.293 - 116.293 (7)	TP20.128x19.02x0.313	5.00	0.00	0.0	19.655	-11279.60	1149810.00	0.010
L8	116.293 - 111.293 (8)	TP21.236x20.128x0.313	5.00	0.00	0.0	20.754	-11940.20	1214100.00	0.010
L9	111.293 - 108.25 (9)	TP21.911x21.236x0.313	3.04	0.00	0.0	21.423	-12344.50	1253240.00	0.010
L10	108.25 - 108 (10)	TP21.966x21.911x0.638	0.25	0.00	0.0	43.157	-12406.00	2524690.00	0.005
L11	108 - 103 (11)	TP23.074x21.966x0.613	5.00	0.00	0.0	43.667	-13375.30	2554550.00	0.005
L12	103 - 98 (12)	TP24.182x23.074x0.6	5.00	0.00	0.0	44.910	-14379.80	2627250.00	0.005
L13	98 - 93 (13)	TP25.29x24.182x0.588	5.00	0.00	0.0	46.064	-15413.40	2694750.00	0.006
L14	93 - 88.0833 (14)	TP26.38x25.29x0.588	4.92	0.00	0.0	46.512	-15641.60	2720940.00	0.006
L15	88.0833 - 86.9166 (15)	TP26.012x24.906x0.638	5.00	0.00	0.0	51.343	-17441.50	3003580.00	0.006
L16	86.9166 - 85.167 (16)	TP26.399x26.012x0.638	1.75	0.00	0.0	52.127	-17848.40	3049410.00	0.006
L17	85.167 - 84.917 (17)	TP26.454x26.399x0.638	0.25	0.00	0.0	52.238	-17921.60	3055950.00	0.006
L18	84.917 - 79.917 (18)	TP27.561x26.454x0.625	5.00	0.00	0.0	53.434	-19193.30	3125880.00	0.006
L19	79.917 - 77 (19)	TP28.206x27.561x0.613	2.92	0.00	0.0	53.644	-19905.50	3138200.00	0.006
L20	77 - 76.75 (20)	TP28.262x28.206x0.538	0.25	0.00	0.0	47.298	-19973.90	2766930.00	0.007
L21	76.75 - 75 (21)	TP28.649x28.262x0.531	1.75	0.00	0.0	47.411	-20355.10	2773580.00	0.007
L22	75 - 74.75 (22)	TP28.704x28.649x0.613	0.25	0.00	0.0	54.612	-20434.80	3194820.00	0.006
L23	74.75 - 69.75 (23)	TP29.811x28.704x0.6	5.00	0.00	0.0	55.629	-21693.10	3254280.00	0.007
L24	69.75 - 65.083 (24)	TP30.843x29.811x0.588	4.67	0.00	0.0	56.419	-22902.60	3300500.00	0.007
L25	65.083 - 64.833 (25)	TP30.899x30.843x0.588	0.25	0.00	0.0	56.522	-22978.10	3306530.00	0.007
L26	64.833 - 59.833 (26)	TP32.005x30.899x0.588	5.00	0.00	0.0	58.585	-24298.70	3427230.00	0.007
L27	59.833 - 54.833 (27)	TP33.111x32.005x0.575	5.00	0.00	0.0	59.381	-25659.40	3473770.00	0.007
L28	54.833 - 49.833 (28)	TP34.218x33.111x0.563	5.00	0.00	0.0	60.087	-27052.70	3515120.00	0.008
L29	49.833 - 43.4966 (29)	TP35.62x34.218x0.563	6.34	0.00	0.0	60.615	-27427.90	3546000.00	0.008
L30	43.4966 - 42.4966 (30)	TP35.092x33.764x0.563	6.00	0.00	0.0	61.648	-30293.30	3606400.00	0.008
L31	42.4966 - 37.4966 (31)	TP36.199x35.092x0.55	5.00	0.00	0.0	62.232	-31751.60	3640580.00	0.009
L32	37.4966 - 33 (32)	TP37.194x36.199x0.55	4.50	0.00	0.0	63.970	-33087.80	3742240.00	0.009
L33	33 - 32.75 (33)	TP37.25x37.194x0.663	0.25	0.00	0.0	76.935	-33185.10	4500670.00	0.007

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	ϕP_n lb	Ratio $\frac{P_u}{\phi P_n}$
L34	32.75 - 32 (34)	TP37.416x37.25x0.663	0.75	0.00	0.0	77.284	-33440.20	4521100.00	0.007
L35	32 - 31.75 (35)	TP37.471x37.416x0.588	0.25	0.00	0.0	68.778	-33526.10	4023490.00	0.008
L36	31.75 - 30 (36)	TP37.858x37.471x0.588	1.75	0.00	0.0	69.500	-34080.20	4065750.00	0.008
L37	30 - 29.75 (37)	TP37.914x37.858x0.588	0.25	0.00	0.0	69.603	-34178.20	4071790.00	0.008
L38	29.75 - 24.75 (38)	TP39.021x37.914x0.575	5.00	0.00	0.0	70.165	-35819.20	4104670.00	0.009
L39	24.75 - 19.75 (39)	TP40.128x39.021x0.569	5.00	0.00	0.0	71.412	-37498.30	4177610.00	0.009
L40	19.75 - 14.75 (40)	TP41.235x40.128x0.563	5.00	0.00	0.0	70.639	-37520.50	4132360.00	0.009
L41	14.75 - 9.75 (41)	TP42.341x41.235x0.563	5.00	0.00	0.0	72.615	-39229.60	4247970.00	0.009
L42	9.75 - 4.75 (42)	TP43.448x42.341x0.55	5.00	0.00	0.0	72.955	-40967.80	4267890.00	0.010
L43	4.75 - 0 (43)	TP44.5x43.448x0.55	4.75	0.00	0.0	74.888	-42739.30	4380940.00	0.010

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} lb-ft	ϕM_{nx} lb-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} lb-ft	ϕM_{ny} lb-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	150 - 145 (1)	TP14.12x13x0.188	24916.58	175522.50	0.142	0.00	175522.50	0.000
L2	145 - 140 (2)	TP15.241x14.12x0.188	46414.58	205086.67	0.226	0.00	205086.67	0.000
L3	140 - 133.71 (3)	TP16.65x15.241x0.188	80445.00	228489.17	0.352	0.00	228489.17	0.000
L4	133.71 - 131.293 (4)	TP16.804x15.696x0.313	127370.83	407651.67	0.312	0.00	407651.67	0.000
L5	131.293 - 126.293 (5)	TP17.912x16.804x0.313	194501.67	464815.00	0.418	0.00	464815.00	0.000
L6	126.293 - 121.293 (6)	TP19.02x17.912x0.313	269634.17	525728.33	0.513	0.00	525728.33	0.000
L7	121.293 - 116.293 (7)	TP20.128x19.02x0.313	346043.33	590391.67	0.586	0.00	590391.67	0.000
L8	116.293 - 111.293 (8)	TP21.236x20.128x0.313	423722.50	658805.83	0.643	0.00	658805.83	0.000
L9	111.293 - 108.25 (9)	TP21.911x21.236x0.313	471823.33	702282.50	0.672	0.00	702282.50	0.000
L10	108.25 - 108 (10)	TP21.966x21.911x0.638	475815.00	1376191.67	0.346	0.00	1376191.67	0.000
L11	108 - 103 (11)	TP23.074x21.966x0.613	557164.17	1470183.33	0.379	0.00	1470183.33	0.000
L12	103 - 98 (12)	TP24.182x23.074x0.6	641470.83	1590275.00	0.403	0.00	1590275.00	0.000
L13	98 - 93 (13)	TP25.29x24.182x0.588	728768.33	1711416.67	0.426	0.00	1711416.67	0.000
L14	93 - 88.0833 (14)	TP26.38x25.29x0.588	748081.67	1745233.33	0.429	0.00	1745233.33	0.000
L15	88.0833 - 86.9166 (15)	TP26.012x24.906x0.638	839341.67	1956841.67	0.429	0.00	1956841.67	0.000
L16	86.9166 - 85.167 (16)	TP26.399x26.012x0.638	872058.33	2017750.00	0.432	0.00	2017750.00	0.000
L17	85.167 - 84.917 (17)	TP26.454x26.399x0.638	876758.33	2026533.33	0.433	0.00	2026533.33	0.000
L18	84.917 - 79.917 (18)	TP27.561x26.454x0.625	972333.33	2165891.67	0.449	0.00	2165891.67	0.000
L19	79.917 - 77 (19)	TP28.206x27.561x0.613	1029725.00	2229733.33	0.462	0.00	2229733.33	0.000
L20	77 - 76.75 (20)	TP28.262x28.206x0.538	1034691.67	1980675.00	0.522	0.00	1980675.00	0.000
L21	76.75 - 75 (21)	TP28.649x28.262x0.531	1069666.67	2014583.33	0.531	0.00	2014583.33	0.000
L22	75 - 74.75 (22)	TP28.704x28.649x0.613	1074691.67	2311816.67	0.465	0.00	2311816.67	0.000

Section No.	Elevation ft	Size	M_{ux} lb-ft	ϕM_{nx} lb-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} lb-ft	ϕM_{ny} lb-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L23	74.75 - 69.75 (23)	TP29.811x28.704x0.6	1176808.33	2451658.33	0.480	0.00	2451658.33	0.000
L24	69.75 - 65.083 (24)	TP30.843x29.811x0.588	1274866.67	2578291.67	0.494	0.00	2578291.67	0.000
L25	65.083 - 64.833 (25)	TP30.899x30.843x0.588	1280191.67	2587816.67	0.495	0.00	2587816.67	0.000
L26	64.833 - 59.833 (26)	TP32.005x30.899x0.588	1388341.67	2782050.00	0.499	0.00	2782050.00	0.000
L27	59.833 - 54.833 (27)	TP33.111x32.005x0.575	1499508.33	2923208.33	0.513	0.00	2923208.33	0.000
L28	54.833 - 49.833 (28)	TP34.218x33.111x0.563	1613675.00	3062608.33	0.527	0.00	3062608.33	0.000
L29	49.833 - 43.4966 (29)	TP35.62x34.218x0.563	1644691.67	3117116.67	0.528	0.00	3117116.67	0.000
L30	43.4966 - 42.4966 (30)	TP35.092x33.764x0.563	1786891.67	3225091.67	0.554	0.00	3225091.67	0.000
L31	42.4966 - 37.4966 (31)	TP36.199x35.092x0.55	1908700.00	3364050.00	0.567	0.00	3364050.00	0.000
L32	37.4966 - 33 (32)	TP37.194x36.199x0.55	2020533.33	3556025.00	0.568	0.00	3556025.00	0.000
L33	33 - 32.75 (33)	TP37.25x37.194x0.663	2026816.67	4257050.00	0.476	0.00	4257050.00	0.000
L34	32.75 - 32 (34)	TP37.416x37.25x0.663	2045700.00	4296116.67	0.476	0.00	4296116.67	0.000
L35	32 - 31.75 (35)	TP37.471x37.416x0.588	2052008.33	3844758.33	0.534	0.00	3844758.33	0.000
L36	31.75 - 30 (36)	TP37.858x37.471x0.588	2096358.33	3926591.67	0.534	0.00	3926591.67	0.000
L37	30 - 29.75 (37)	TP37.914x37.858x0.588	2102716.67	3938350.00	0.534	0.00	3938350.00	0.000
L38	29.75 - 24.75 (38)	TP39.021x37.914x0.575	2231316.67	4092375.00	0.545	0.00	4092375.00	0.000
L39	24.75 - 19.75 (39)	TP40.128x39.021x0.569	2362541.67	4288141.67	0.551	0.00	4288141.67	0.000
L40	19.75 - 14.75 (40)	TP41.235x40.128x0.563	2362541.67	4243033.33	0.557	0.00	4243033.33	0.000
L41	14.75 - 9.75 (41)	TP42.341x41.235x0.563	2496433.33	4485483.33	0.557	0.00	4485483.33	0.000
L42	9.75 - 4.75 (42)	TP43.448x42.341x0.55	2633025.00	4633608.33	0.568	0.00	4633608.33	0.000
L43	4.75 - 0 (43)	TP44.5x43.448x0.55	2772350.00	4883958.33	0.568	0.00	4883958.33	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u lb	ϕV_n lb	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u lb-ft	ϕT_n lb-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	150 - 145 (1)	TP14.12x13x0.188	4179.75	145521.00	0.029	1.39	177559.17	0.000
L2	145 - 140 (2)	TP15.241x14.12x0.188	4424.24	157222.00	0.028	1.37	207261.67	0.000
L3	140 - 133.71 (3)	TP16.65x15.241x0.188	9239.48	165896.00	0.056	283.74	230763.33	0.001
L4	133.71 - 131.293 (4)	TP16.804x15.696x0.313	9530.22	287078.00	0.033	283.58	414616.67	0.001
L5	131.293 - 126.293 (5)	TP17.912x16.804x0.313	14904.00	306366.00	0.049	323.36	472202.50	0.001
L6	126.293 - 121.293 (6)	TP19.02x17.912x0.313	15162.30	325655.00	0.047	323.01	533532.50	0.001
L7	121.293 - 116.293 (7)	TP20.128x19.02x0.313	15418.00	344943.00	0.045	322.62	598605.83	0.001
L8	116.293 - 111.293 (8)	TP21.236x20.128x0.313	15672.70	364231.00	0.043	322.23	667421.67	0.000
L9	111.293 - 108.25 (9)	TP21.911x21.236x0.313	15959.10	375971.00	0.042	322.00	711140.83	0.000
L10	108.25 - 108 (10)	TP21.966x21.911x0.638	15980.80	757408.00	0.021	321.96	1414733.33	0.000

Section No.	Elevation ft	Size	Actual V_u lb	ϕV_n lb	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u lb-ft	ϕT_n lb-ft	Ratio $\frac{T_u}{\phi T_n}$
L11	108 - 103 (11)	TP23.074x21.966x0.613	16570.90	766364.00	0.022	321.78	1507508.33	0.000
L12	103 - 98 (12)	TP24.182x23.074x0.6	17166.30	788175.00	0.022	321.60	1627758.33	0.000
L13	98 - 93 (13)	TP25.29x24.182x0.588	17768.20	808426.00	0.022	321.42	1748916.67	0.000
L14	93 - 88.0833 (14)	TP26.38x25.29x0.588	17899.20	816283.00	0.022	321.39	1783075.00	0.000
L15	88.0833 - 86.9166 (15)	TP26.012x24.906x0.638	18599.90	901074.00	0.021	321.29	2002333.33	0.000
L16	86.9166 - 85.167 (16)	TP26.399x26.012x0.638	18817.60	914822.00	0.021	321.24	2063900.00	0.000
L17	85.167 - 84.917 (17)	TP26.454x26.399x0.638	18837.10	916786.00	0.021	321.21	2072775.00	0.000
L18	84.917 - 79.917 (18)	TP27.561x26.454x0.625	19504.90	937765.00	0.021	321.07	2212100.00	0.000
L19	79.917 - 77 (19)	TP28.206x27.561x0.613	19865.00	941459.00	0.021	174.94	2275058.33	0.000
L20	77 - 76.75 (20)	TP28.262x28.206x0.538	19884.40	830080.00	0.024	174.93	2015383.33	0.000
L21	76.75 - 75 (21)	TP28.649x28.262x0.531	20106.50	832073.00	0.024	174.90	2048891.67	0.000
L22	75 - 74.75 (22)	TP28.704x28.649x0.613	20121.50	958446.00	0.021	174.88	2357900.00	0.000
L23	74.75 - 69.75 (23)	TP29.811x28.704x0.6	20737.60	976283.00	0.021	174.78	2497441.67	0.000
L24	69.75 - 65.083 (24)	TP30.843x29.811x0.588	21307.70	990149.00	0.022	174.69	2623550.00	0.000
L25	65.083 - 64.833 (25)	TP30.899x30.843x0.588	21329.10	991960.00	0.022	174.68	2633150.00	0.000
L26	64.833 - 59.833 (26)	TP32.005x30.899x0.588	21943.70	1028170.00	0.021	174.60	2828891.67	0.000
L27	59.833 - 54.833 (27)	TP33.111x32.005x0.575	22546.20	1042130.00	0.022	174.51	2969425.00	0.000
L28	54.833 - 49.833 (28)	TP34.218x33.111x0.563	23141.10	1054530.00	0.022	174.44	3108100.00	0.000
L29	49.833 - 43.4966 (29)	TP35.62x34.218x0.563	23300.30	1063800.00	0.022	174.42	3162958.33	0.000
L30	43.4966 - 42.4966 (30)	TP35.092x33.764x0.563	24103.70	1081920.00	0.022	174.37	3271633.33	0.000
L31	42.4966 - 37.4966 (31)	TP36.199x35.092x0.55	24647.50	1092170.00	0.023	174.31	3409708.33	0.000
L32	37.4966 - 33 (32)	TP37.194x36.199x0.55	25125.60	1122670.00	0.022	174.26	3602791.67	0.000
L33	33 - 32.75 (33)	TP37.25x37.194x0.663	25139.40	1350200.00	0.019	174.25	4326200.00	0.000
L34	32.75 - 32 (34)	TP37.416x37.25x0.663	25228.30	1356330.00	0.019	174.25	4365558.33	0.000
L35	32 - 31.75 (35)	TP37.471x37.416x0.588	25249.00	1207050.00	0.021	174.24	3898850.00	0.000
L36	31.75 - 30 (36)	TP37.858x37.471x0.588	25455.20	1219730.00	0.021	174.24	3981191.67	0.000
L37	30 - 29.75 (37)	TP37.914x37.858x0.588	25459.90	1221540.00	0.021	174.23	3993025.00	0.000
L38	29.75 - 24.75 (38)	TP39.021x37.914x0.575	25994.30	1231400.00	0.021	174.19	4145991.67	0.000
L39	24.75 - 19.75 (39)	TP40.128x39.021x0.569	26524.20	1253280.00	0.021	174.16	4341841.67	0.000
L40	19.75 - 14.75 (40)	TP41.235x40.128x0.563	26630.80	1246640.00	0.021	174.15	4295483.33	0.000
L41	14.75 - 9.75 (41)	TP42.341x41.235x0.563	27168.70	1281330.00	0.021	174.13	4539200.00	0.000
L42	9.75 - 4.75 (42)	TP43.448x42.341x0.55	27714.20	1287150.00	0.022	174.11	4686000.00	0.000
L43	4.75 - 0 (43)	TP44.5x43.448x0.55	28288.60	1322330.00	0.021	174.10	4937525.00	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u / ϕP_n	Ratio M_{ux} / ϕM_{nx}	Ratio M_{uy} / ϕM_{ny}	Ratio V_u / ϕV_n	Ratio T_u / ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 145 (1)	0.006	0.142	0.000	0.029	0.000	0.148	1.050	4.8.2
L2	145 - 140 (2)	0.006	0.226	0.000	0.028	0.000	0.233	1.050	4.8.2
L3	140 - 133.71 (3)	0.011	0.352	0.000	0.056	0.001	0.366	1.050	4.8.2
L4	133.71 - 131.293 (4)	0.007	0.312	0.000	0.033	0.001	0.320	1.050	4.8.2
L5	131.293 - 126.293 (5)	0.010	0.418	0.000	0.049	0.001	0.431	1.050	4.8.2
L6	126.293 - 121.293 (6)	0.010	0.513	0.000	0.047	0.001	0.525	1.050	4.8.2
L7	121.293 - 116.293 (7)	0.010	0.586	0.000	0.045	0.001	0.598	1.050	4.8.2
L8	116.293 - 111.293 (8)	0.010	0.643	0.000	0.043	0.000	0.655	1.050	4.8.2
L9	111.293 - 108.25 (9)	0.010	0.672	0.000	0.042	0.000	0.684	1.050	4.8.2
L10	108.25 - 108 (10)	0.005	0.346	0.000	0.021	0.000	0.351	1.050	4.8.2
L11	108 - 103 (11)	0.005	0.379	0.000	0.022	0.000	0.385	1.050	4.8.2
L12	103 - 98 (12)	0.005	0.403	0.000	0.022	0.000	0.409	1.050	4.8.2
L13	98 - 93 (13)	0.006	0.426	0.000	0.022	0.000	0.432	1.050	4.8.2
L14	93 - 88.0833 (14)	0.006	0.429	0.000	0.022	0.000	0.435	1.050	4.8.2
L15	88.0833 - 86.9166 (15)	0.006	0.429	0.000	0.021	0.000	0.435	1.050	4.8.2
L16	86.9166 - 85.167 (16)	0.006	0.432	0.000	0.021	0.000	0.438	1.050	4.8.2
L17	85.167 - 84.917 (17)	0.006	0.433	0.000	0.021	0.000	0.439	1.050	4.8.2
L18	84.917 - 79.917 (18)	0.006	0.449	0.000	0.021	0.000	0.456	1.050	4.8.2
L19	79.917 - 77 (19)	0.006	0.462	0.000	0.021	0.000	0.469	1.050	4.8.2
L20	77 - 76.75 (20)	0.007	0.522	0.000	0.024	0.000	0.530	1.050	4.8.2
L21	76.75 - 75 (21)	0.007	0.531	0.000	0.024	0.000	0.539	1.050	4.8.2
L22	75 - 74.75 (22)	0.006	0.465	0.000	0.021	0.000	0.472	1.050	4.8.2
L23	74.75 - 69.75 (23)	0.007	0.480	0.000	0.021	0.000	0.487	1.050	4.8.2
L24	69.75 - 65.083 (24)	0.007	0.494	0.000	0.022	0.000	0.502	1.050	4.8.2
L25	65.083 - 64.833 (25)	0.007	0.495	0.000	0.022	0.000	0.502	1.050	4.8.2
L26	64.833 - 59.833 (26)	0.007	0.499	0.000	0.021	0.000	0.507	1.050	4.8.2
L27	59.833 - 54.833 (27)	0.007	0.513	0.000	0.022	0.000	0.521	1.050	4.8.2
L28	54.833 - 49.833 (28)	0.008	0.527	0.000	0.022	0.000	0.535	1.050	4.8.2
L29	49.833 - 43.4966 (29)	0.008	0.528	0.000	0.022	0.000	0.536	1.050	4.8.2
L30	43.4966 - 42.4966 (30)	0.008	0.554	0.000	0.022	0.000	0.563	1.050	4.8.2
L31	42.4966 - 37.4966 (31)	0.009	0.567	0.000	0.023	0.000	0.577	1.050	4.8.2
L32	37.4966 - 33 (32)	0.009	0.568	0.000	0.022	0.000	0.578	1.050	4.8.2
L33	33 - 32.75 (33)	0.007	0.476	0.000	0.019	0.000	0.484	1.050	4.8.2
L34	32.75 - 32 (34)	0.007	0.476	0.000	0.019	0.000	0.484	1.050	4.8.2
L35	32 - 31.75 (35)	0.008	0.534	0.000	0.021	0.000	0.542	1.050	4.8.2
L36	31.75 - 30 (36)	0.008	0.534	0.000	0.021	0.000	0.543	1.050	4.8.2

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L37	30 - 29.75 (37)	0.008	0.534	0.000	0.021	0.000	0.543	1.050	4.8.2
L38	29.75 - 24.75 (38)	0.009	0.545	0.000	0.021	0.000	0.554	1.050	4.8.2
L39	24.75 - 19.75 (39)	0.009	0.551	0.000	0.021	0.000	0.560	1.050	4.8.2
L40	19.75 - 14.75 (40)	0.009	0.557	0.000	0.021	0.000	0.566	1.050	4.8.2
L41	14.75 - 9.75 (41)	0.009	0.557	0.000	0.021	0.000	0.566	1.050	4.8.2
L42	9.75 - 4.75 (42)	0.010	0.568	0.000	0.022	0.000	0.578	1.050	4.8.2
L43	4.75 - 0 (43)	0.010	0.568	0.000	0.021	0.000	0.578	1.050	4.8.2

Section Capacity Table

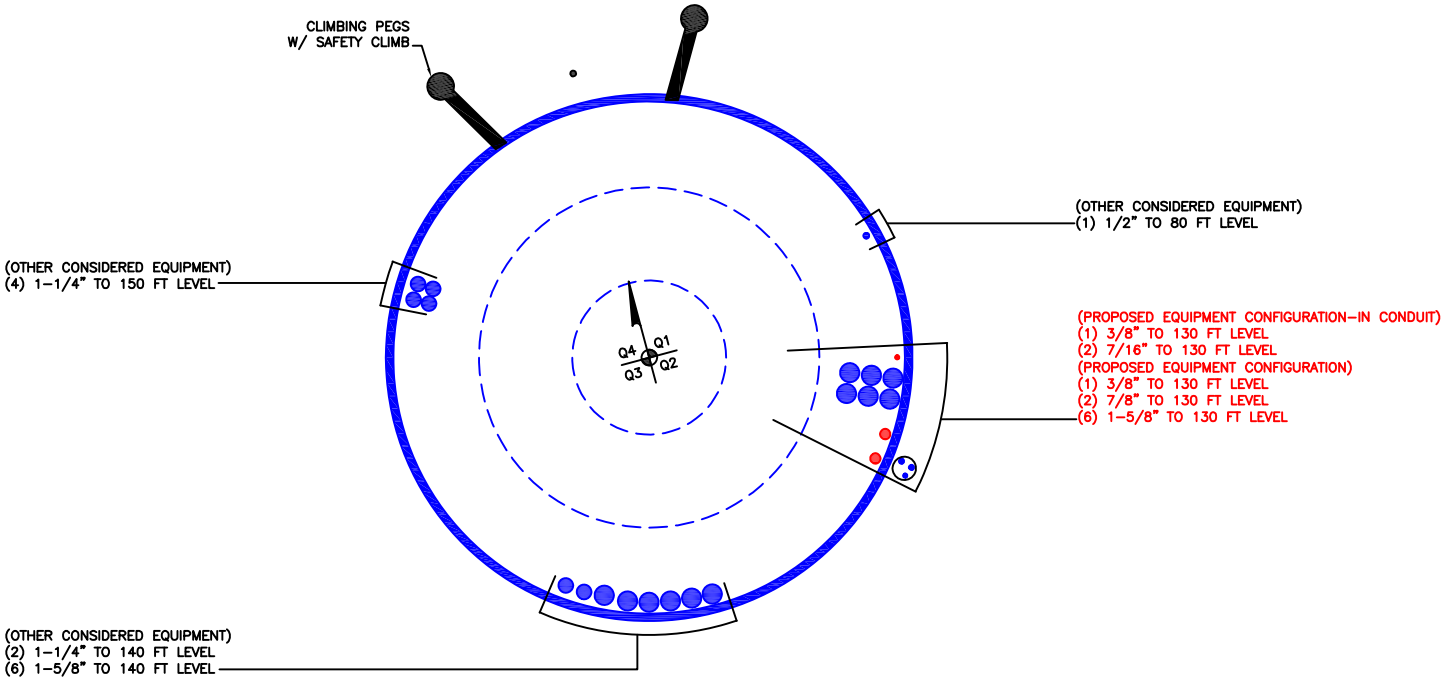
Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
L1	150 - 145	Pole	TP14.12x13x0.188	1	-2755.49	509322.43	14.1	Pass
L2	145 - 140	Pole	TP15.241x14.12x0.188	2	-2941.40	550275.58	22.2	Pass
L3	140 - 133.71	Pole	TP16.65x15.241x0.188	3	-5932.20	580636.32	34.9	Pass
L4	133.71 - 131.293	Pole	TP16.804x15.696x0.313	4	-6432.33	1004773.30	30.5	Pass
L5	131.293 - 126.293	Pole	TP17.912x16.804x0.313	5	-10066.30	1072280.95	41.0	Pass
L6	126.293 - 121.293	Pole	TP19.02x17.912x0.313	6	-10653.40	1139795.95	50.0	Pass
L7	121.293 - 116.293	Pole	TP20.128x19.02x0.313	7	-11279.60	1207300.45	57.0	Pass
L8	116.293 - 111.293	Pole	TP21.236x20.128x0.313	8	-11940.20	1274804.94	62.4	Pass
L9	111.293 - 108.25	Pole	TP21.911x21.236x0.313	9	-12344.50	1315901.94	65.1	Pass
L10	108.25 - 108	Pole	TP21.966x21.911x0.638	10	-12406.00	2650924.38	33.4	Pass
L11	108 - 103	Pole	TP23.074x21.966x0.613	11	-13375.30	2682277.38	36.6	Pass
L12	103 - 98	Pole	TP24.182x23.074x0.6	12	-14379.80	2758612.37	39.0	Pass
L13	98 - 93	Pole	TP25.29x24.182x0.588	13	-15413.40	2829487.37	41.1	Pass
L14	93 - 88.0833	Pole	TP26.38x25.29x0.588	14	-15641.60	2856986.87	41.4	Pass
L15	88.0833 - 86.9166	Pole	TP26.012x24.906x0.638	15	-17441.50	3153758.86	41.4	Pass
L16	86.9166 - 85.167	Pole	TP26.399x26.012x0.638	16	-17848.40	3201880.35	41.8	Pass
L17	85.167 - 84.917	Pole	TP26.454x26.399x0.638	17	-17921.60	3208747.35	41.8	Pass
L18	84.917 - 79.917	Pole	TP27.561x26.454x0.625	18	-19193.30	3282173.85	43.4	Pass
L19	79.917 - 77	Pole	TP28.206x27.561x0.613	19	-19905.50	3295109.85	44.6	Pass
L20	77 - 76.75	Pole	TP28.262x28.206x0.538	20	-19973.90	2905276.37	50.5	Pass
L21	76.75 - 75	Pole	TP28.649x28.262x0.531	21	-20355.10	2912258.87	51.3	Pass
L22	75 - 74.75	Pole	TP28.704x28.649x0.613	22	-20434.80	3354560.85	44.9	Pass
L23	74.75 - 69.75	Pole	TP29.811x28.704x0.6	23	-21693.10	3416993.84	46.4	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
L24	69.75 - 65.083	Pole	TP30.843x29.811x0.588	24	-22902.60	3465524.84	47.8	Pass
L25	65.083 - 64.833	Pole	TP30.899x30.843x0.588	25	-22978.10	3471856.34	47.8	Pass
L26	64.833 - 59.833	Pole	TP32.005x30.899x0.588	26	-24298.70	3598591.34	48.2	Pass
L27	59.833 - 54.833	Pole	TP33.111x32.005x0.575	27	-25659.40	3647458.33	49.6	Pass
L28	54.833 - 49.833	Pole	TP34.218x33.111x0.563	28	-27052.70	3690875.83	51.0	Pass
L29	49.833 - 43.4966	Pole	TP35.62x34.218x0.563	29	-27427.90	3723299.83	51.0	Pass
L30	43.4966 - 42.4966	Pole	TP35.092x33.764x0.563	30	-30293.30	3786719.83	53.6	Pass
L31	42.4966 - 37.4966	Pole	TP36.199x35.092x0.55	31	-31751.60	3822608.83	54.9	Pass
L32	37.4966 - 33	Pole	TP37.194x36.199x0.55	32	-33087.80	3929351.82	55.0	Pass
L33	33 - 32.75	Pole	TP37.25x37.194x0.663	33	-33185.10	4725703.29	46.1	Pass
L34	32.75 - 32	Pole	TP37.416x37.25x0.663	34	-33440.20	4747154.78	46.1	Pass
L35	32 - 31.75	Pole	TP37.471x37.416x0.588	35	-33526.10	4224664.31	51.7	Pass
L36	31.75 - 30	Pole	TP37.858x37.471x0.588	36	-34080.20	4269037.31	51.7	Pass
L37	30 - 29.75	Pole	TP37.914x37.858x0.588	37	-34178.20	4275379.31	51.7	Pass
L38	29.75 - 24.75	Pole	TP39.021x37.914x0.575	38	-35819.20	4309903.30	52.8	Pass
L39	24.75 - 19.75	Pole	TP40.128x39.021x0.569	39	-37498.30	4386490.30	53.4	Pass
L40	19.75 - 14.75	Pole	TP41.235x40.128x0.563	40	-37520.50	4338977.80	53.9	Pass
L41	14.75 - 9.75	Pole	TP42.341x41.235x0.563	41	-39229.60	4460368.30	53.9	Pass
L42	9.75 - 4.75	Pole	TP43.448x42.341x0.55	42	-40967.80	4481284.30	55.1	Pass
L43	4.75 - 0	Pole	TP44.5x43.448x0.55	43	-42739.30	4599986.79	55.0	Pass
							Summary	
						Pole (L9)	65.1	Pass
						RATING =	**65.1**	**Pass**

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

APPENDIX B

BASE LEVEL DRAWING


CLIMBING PEGS
W/ SAFETY CLIMB
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 80 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(4) 1-1/4" TO 150 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION-IN CONDUIT)
(1) 3/8" TO 130 FT LEVEL
(2) 7/16" TO 130 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(1) 3/8" TO 130 FT LEVEL
(2) 7/8" TO 130 FT LEVEL
(6) 1-5/8" TO 130 FT LEVEL
Q4
Q1
Q3
Q2
(OTHER CONSIDERED EQUIPMENT)
(2) 1-1/4" TO 140 FT LEVEL
(6) 1-5/8" TO 140 FT LEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 876384

Work Order: 1891790

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	150	16.29	2.5833	18	13	16.65	0.1875	Auto	A572-65
2	136.2933	48.21	3.8333	18	15.70	26.38	0.3125	Auto	A572-65
3	91.9166	48.42	5	18	24.91	35.62	0.375	Auto	A572-65
4	48.4966	48.4966	0	18	33.76	44.5	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	13	14	15	16	17	18
1	0	33	plate	CCI-WSFP-060100	2																		
2	0	30	plate	CCI-WSFP-060100	2																		
3	32	65.083	plate	CCI-SFP-060100	1																		
4	30	65.083	plate	CCI-SFP-060100	2																		
5	65.083	85.167	plate	CCI-SFP-060100	2																		
6	65.083	75	plate	CCI-SFP-060100	1																		
7	75	77	plate	PL 1x5	1							-0.5											
8	77	85.167	plate	CCI-SFP-060100	1																		
9	85.167	108.25	plate	CCI-SFP-060100	3																		
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	6	1	6	0.5	n/a	24.000	16.000	4.750	1.1875	A572-65
2	6	1	6	0.5	n/a	24.000	16.000	4.750	1.1875	A572-65
3	6	1	6	0.5	24.000	24.000	16.000	4.750	1.1875	A572-65
4	6	1	6	0.5	24.000	24.000	16.000	4.750	1.1875	A572-65
5	6	1	6	0.5	24.000	24.000	16.000	4.750	1.1875	A572-65
6	6	1	6	0.5	24.000	24.000	16.000	4.750	1.1875	A572-65
7	5	1	5	0.5	24.000	24.000	8.000	3.750	1.1875	A572-65
8	6	1	6	0.5	24.000	24.000	16.000	4.750	1.1875	A572-65
9	6	1	6	0.5	24.000	24.000	16.000	4.750	1.1875	A572-65

TNX Geometry Input

Increment (ft): 5 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	150 - 145	5		18	13.000	14.120	0.1875	A572-65	1.000
2	145 - 140	5		18	14.120	15.241	0.1875	A572-65	1.000
3	140 - 136.2933	6.29	2.5833	18	15.241	16.650	0.1875	A572-65	1.000
4	136.2933 - 131.2933	5		18	15.696	16.804	0.3125	A572-65	1.000
5	131.2933 - 126.2933	5		18	16.804	17.912	0.3125	A572-65	1.000
6	126.2933 - 121.2933	5		18	17.912	19.020	0.3125	A572-65	1.000
7	121.2933 - 116.2933	5		18	19.020	20.128	0.3125	A572-65	1.000
8	116.2933 - 111.2933	5		18	20.128	21.236	0.3125	A572-65	1.000
9	111.2933 - 108.25	3.0433		18	21.236	21.911	0.3125	A572-65	1.000
10	108.25 - 108	0.25		18	21.911	21.966	0.6375	A572-65	0.915
11	108 - 103	5		18	21.966	23.074	0.6125	A572-65	0.929
12	103 - 98	5		18	23.074	24.182	0.6	A572-65	0.928
13	98 - 93	5		18	24.182	25.290	0.5875	A572-65	0.929
14	93 - 91.9166	4.9167	3.8333	18	25.290	26.380	0.5875	A572-65	0.925
15	91.9166 - 86.9166	5		18	24.906	26.012	0.6375	A572-65	0.945
16	86.9166 - 85.167	1.7496		18	26.012	26.399	0.6375	A572-65	0.940
17	85.167 - 84.917	0.25		18	26.399	26.454	0.6375	A572-65	0.939
18	84.917 - 79.917	5		18	26.454	27.561	0.625	A572-65	0.942
19	79.917 - 77	2.917		18	27.561	28.206	0.6125	A572-65	0.953
20	77 - 76.75	0.25		18	28.206	28.262	0.5375	A572-65	0.955
21	76.75 - 75	1.75		18	28.262	28.649	0.53125	A572-65	0.963
22	75 - 74.75	0.25		18	28.649	28.704	0.6125	A572-65	0.947
23	74.75 - 69.75	5		18	28.704	29.811	0.6	A572-65	0.953
24	69.75 - 65.083	4.667		18	29.811	30.843	0.5875	A572-65	0.962
25	65.083 - 64.833	0.25		18	30.843	30.899	0.5875	A572-65	0.961
26	64.833 - 59.833	5		18	30.899	32.005	0.5875	A572-65	0.950
27	59.833 - 54.833	5		18	32.005	33.111	0.575	A572-65	0.959
28	54.833 - 49.833	5		18	33.111	34.218	0.5625	A572-65	0.970
29	49.833 - 48.4966	6.3364	5	18	34.218	35.620	0.5625	A572-65	0.967
30	48.4966 - 42.4966	6		18	33.764	35.092	0.5625	A572-65	0.962
31	42.4966 - 37.4966	5		18	35.092	36.199	0.55	A572-65	0.974
32	37.4966 - 33	4.4966		18	36.199	37.194	0.55	A572-65	0.966
33	33 - 32.75	0.25		18	37.194	37.250	0.6625	A572-65	0.960
34	32.75 - 32	0.75		18	37.250	37.416	0.6625	A572-65	0.959
35	32 - 31.75	0.25		18	37.416	37.471	0.5875	A572-65	0.991
36	31.75 - 30	1.75		18	37.471	37.858	0.5875	A572-65	0.987
37	30 - 29.75	0.25		18	37.858	37.914	0.5875	A572-65	0.987
38	29.75 - 24.75	5		18	37.914	39.021	0.575	A572-65	0.998
39	24.75 - 19.75	5		18	39.021	40.128	0.56875	A572-65	0.999
40	19.75 - 14.75	5		18	40.128	41.235	0.5625	A572-65	1.000
41	14.75 - 9.75	5		18	41.235	42.341	0.5625	A572-65	0.991
42	9.75 - 4.75	5		18	42.341	43.448	0.55	A572-65	1.005
43	4.75 - 0	4.75		18	43.448	44.500	0.55	A572-65	0.997

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	150 - 145	2.76	24.92	4.18
2	145 - 140	6.36	46.55	8.61
3	140 - 136.2933	5.93	80.44	9.24
4	136.2933 - 131.2933	6.43	127.37	9.53
5	131.2933 - 126.2933	10.07	194.50	14.90
6	126.2933 - 121.2933	10.65	269.63	15.16
7	121.2933 - 116.2933	11.28	346.04	15.42
8	116.2933 - 111.2933	11.94	423.72	15.67
9	111.2933 - 108.25	12.34	471.82	15.96
10	108.25 - 108	12.41	475.81	15.98
11	108 - 103	13.38	557.16	16.57
12	103 - 98	14.38	641.47	17.17
13	98 - 93	15.41	728.77	17.77
14	93 - 91.9166	15.64	748.08	17.90
15	91.9166 - 86.9166	17.44	839.34	18.60
16	86.9166 - 85.167	17.85	872.06	18.82
17	85.167 - 84.917	17.92	876.76	18.84
18	84.917 - 79.917	19.19	972.34	19.50
19	79.917 - 77	19.91	1029.73	19.87
20	77 - 76.75	19.97	1034.69	19.88
21	76.75 - 75	20.36	1069.67	20.11
22	75 - 74.75	20.43	1074.69	20.12
23	74.75 - 69.75	21.69	1176.81	20.74
24	69.75 - 65.083	22.90	1274.87	21.31
25	65.083 - 64.833	22.98	1280.20	21.33
26	64.833 - 59.833	24.30	1388.34	21.94
27	59.833 - 54.833	25.66	1499.51	22.55
28	54.833 - 49.833	27.05	1613.67	23.14
29	49.833 - 48.4966	27.43	1644.69	23.30
30	48.4966 - 42.4966	30.29	1786.89	24.10
31	42.4966 - 37.4966	31.75	1908.70	24.65
32	37.4966 - 33	33.09	2020.54	25.13
33	33 - 32.75	33.19	2026.82	25.14
34	32.75 - 32	33.44	2045.70	25.23
35	32 - 31.75	33.53	2052.01	25.25
36	31.75 - 30	34.08	2096.36	25.46
37	30 - 29.75	34.18	2102.72	25.46
38	29.75 - 24.75	35.82	2231.31	25.99
39	24.75 - 19.75	37.50	2362.54	26.52
40	19.75 - 14.75	39.21	2496.43	27.06
41	14.75 - 9.75	40.95	2633.02	27.60
42	9.75 - 4.75	42.71	2772.35	28.15
43	4.75 - 0	44.42	2907.26	28.69

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
150 - 145	Pole	TP14.12x13x0.1875	Pole	14.0%	Pass
145 - 140	Pole	TP15.241x14.12x0.1875	Pole	22.6%	Pass
140 - 136.29	Pole	TP16.65x15.241x0.1875	Pole	34.4%	Pass
136.29 - 131.29	Pole	TP16.804x15.696x0.3125	Pole	30.3%	Pass
131.29 - 126.29	Pole	TP17.912x16.804x0.3125	Pole	40.6%	Pass
126.29 - 121.29	Pole	TP19.02x17.912x0.3125	Pole	49.6%	Pass
121.29 - 116.29	Pole	TP20.128x19.02x0.3125	Pole	56.6%	Pass
116.29 - 111.29	Pole	TP21.236x20.128x0.3125	Pole	62.0%	Pass
111.29 - 108.25	Pole	TP21.911x21.236x0.3125	Pole	64.7%	Pass
108.25 - 108	Pole + Reinf.	TP21.966x21.911x0.6375	Reinf. 9 Tension Rupture	53.4%	Pass
108 - 103	Pole + Reinf.	TP23.074x21.966x0.6125	Reinf. 9 Tension Rupture	58.0%	Pass
103 - 98	Pole + Reinf.	TP24.182x23.074x0.6	Reinf. 9 Tension Rupture	62.1%	Pass
98 - 93	Pole + Reinf.	TP25.29x24.182x0.5875	Reinf. 9 Tension Rupture	65.8%	Pass
93 - 91.92	Pole + Reinf.	TP26.38x25.29x0.5875	Reinf. 9 Tension Rupture	66.5%	Pass
91.92 - 86.92	Pole + Reinf.	TP26.012x24.906x0.6375	Reinf. 9 Tension Rupture	65.4%	Pass
86.92 - 85.17	Pole + Reinf.	TP26.399x26.012x0.6375	Reinf. 9 Tension Rupture	66.4%	Pass
85.17 - 84.92	Pole + Reinf.	TP26.454x26.399x0.6375	Reinf. 5 Tension Rupture	66.5%	Pass
84.92 - 79.92	Pole + Reinf.	TP27.561x26.454x0.625	Reinf. 5 Tension Rupture	69.0%	Pass
79.92 - 77	Pole + Reinf.	TP28.206x27.561x0.6125	Reinf. 5 Tension Rupture	70.3%	Pass
77 - 76.75	Pole + Reinf.	TP28.262x28.206x0.5375	Reinf. 5 Tension Rupture	71.8%	Pass
76.75 - 75	Pole + Reinf.	TP28.649x28.262x0.5313	Reinf. 5 Tension Rupture	72.6%	Pass
75 - 74.75	Pole + Reinf.	TP28.704x28.649x0.6125	Reinf. 5 Tension Rupture	71.3%	Pass
74.75 - 69.75	Pole + Reinf.	TP29.811x28.704x0.6	Reinf. 5 Tension Rupture	73.3%	Pass
69.75 - 65.08	Pole + Reinf.	TP30.843x29.811x0.5875	Reinf. 5 Tension Rupture	75.1%	Pass
65.08 - 64.83	Pole + Reinf.	TP30.899x30.843x0.5875	Reinf. 3 Tension Rupture	75.1%	Pass
64.83 - 59.83	Pole + Reinf.	TP32.005x30.899x0.5875	Reinf. 3 Tension Rupture	76.8%	Pass
59.83 - 54.83	Pole + Reinf.	TP33.111x32.005x0.575	Reinf. 3 Tension Rupture	78.4%	Pass
54.83 - 49.83	Pole + Reinf.	TP34.218x33.111x0.5625	Reinf. 3 Tension Rupture	79.8%	Pass
49.83 - 48.5	Pole + Reinf.	TP35.62x34.218x0.5625	Reinf. 3 Tension Rupture	80.1%	Pass
48.5 - 42.5	Pole + Reinf.	TP35.092x33.764x0.5625	Reinf. 3 Tension Rupture	84.6%	Pass
42.5 - 37.5	Pole + Reinf.	TP36.199x35.092x0.55	Reinf. 3 Tension Rupture	85.7%	Pass
37.5 - 33	Pole + Reinf.	TP37.194x36.199x0.55	Reinf. 3 Tension Rupture	86.6%	Pass
33 - 32.75	Pole + Reinf.	TP37.25x37.194x0.6625	Reinf. 4 Tension Rupture	74.2%	Pass
32.75 - 32	Pole + Reinf.	TP37.416x37.25x0.6625	Reinf. 4 Tension Rupture	74.4%	Pass
32 - 31.75	Pole + Reinf.	TP37.471x37.416x0.5875	Reinf. 4 Tension Rupture	76.6%	Pass
31.75 - 30	Pole + Reinf.	TP37.858x37.471x0.5875	Reinf. 4 Tension Rupture	76.9%	Pass
30 - 29.75	Pole + Reinf.	TP37.914x37.858x0.5875	Reinf. 2 Tension Rupture	76.9%	Pass
29.75 - 24.75	Pole + Reinf.	TP39.021x37.914x0.575	Reinf. 2 Tension Rupture	77.8%	Pass
24.75 - 19.75	Pole + Reinf.	TP40.128x39.021x0.5688	Reinf. 2 Tension Rupture	78.6%	Pass
19.75 - 14.75	Pole + Reinf.	TP41.235x40.128x0.5625	Reinf. 2 Tension Rupture	79.3%	Pass
14.75 - 9.75	Pole + Reinf.	TP42.341x41.235x0.5625	Reinf. 2 Tension Rupture	80.0%	Pass
9.75 - 4.75	Pole + Reinf.	TP43.448x42.341x0.55	Reinf. 2 Tension Rupture	80.6%	Pass
4.75 - 0	Pole + Reinf.	TP44.5x43.448x0.55	Reinf. 2 Tension Rupture	81.2%	Pass
				Summary	
			Pole	64.7%	Pass
			Reinforcement	86.6%	Pass
			Overall	86.6%	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
150 - 145	203	n/a	203	8.29	n/a	8.29	14.0%									
145 - 140	256	n/a	256	8.96	n/a	8.96	22.6%									
140 - 136.29	301	n/a	301	9.45	n/a	9.45	34.4%									
136.29 - 131.29	562	n/a	562	16.36	n/a	16.36	30.3%									
131.29 - 126.29	683	n/a	683	17.46	n/a	17.46	40.6%									
126.29 - 121.29	820	n/a	820	18.56	n/a	18.56	49.6%									
121.29 - 116.29	975	n/a	975	19.65	n/a	19.65	56.6%									
116.29 - 111.29	1148	n/a	1148	20.75	n/a	20.75	62.0%									
111.29 - 108.25	1262	n/a	1262	21.42	n/a	21.42	64.7%									
108.25 - 108	1272	1215	2486	21.48	18.00	39.48	32.8%									53.4%
108 - 103	1477	1332	2809	22.58	18.00	40.58	35.7%									58.0%
103 - 98	1704	1455	3158	23.68	18.00	41.68	38.3%									62.1%
98 - 93	1952	1583	3535	24.77	18.00	42.77	40.7%									65.8%
93 - 91.92	2009	1611	3620	25.01	18.00	43.01	41.1%									66.5%
91.92 - 86.92	2533	1669	4202	30.51	18.00	48.51	40.5%									65.4%
86.92 - 85.17	2650	1717	4366	30.97	18.00	48.97	41.1%									66.4%
85.17 - 84.92	2666	1724	4390	31.04	18.00	49.04	41.2%					66.5%			66.5%	
84.92 - 79.92	3020	1863	4884	32.36	18.00	50.36	42.8%					69.0%			69.0%	
79.92 - 77	3241	1947	5188	33.12	18.00	51.12	43.6%					70.3%			70.3%	
77 - 76.75	3312	1291	4602	33.19	12.00	45.19	54.6%					71.8%				
76.75 - 75	3451	1326	4776	33.65	12.00	45.65	55.0%					72.6%				
75 - 74.75	3418	2013	5431	33.72	18.00	51.72	44.3%					71.3%	71.3%			
74.75 - 69.75	3834	2164	5998	35.03	18.00	53.03	45.6%					73.3%	73.3%			
69.75 - 65.08	4252	2309	6561	36.26	18.00	54.26	46.7%					75.1%	75.1%			
65.08 - 64.83	4275	2317	6592	36.33	18.00	54.33	46.8%			75.1%	75.1%					
64.83 - 59.83	4757	2479	7236	37.65	18.00	55.65	47.9%			76.8%	76.8%					
59.83 - 54.83	5274	2646	7920	38.96	18.00	56.96	48.9%			78.4%	78.4%					
54.83 - 49.83	5827	2818	8645	40.28	18.00	58.28	49.8%			79.8%	79.8%					
49.83 - 48.5	5981	2865	8846	40.63	18.00	58.63	50.0%			80.1%	80.1%					
48.5 - 42.5	6290	2959	9249	41.32	18.00	59.32	52.9%			84.6%	84.6%					
42.5 - 37.5	6911	3141	10052	42.64	18.00	60.64	53.7%			85.7%	85.7%					
37.5 - 33	7503	3310	10813	43.82	18.00	61.82	54.7%			86.6%	86.6%					
33 - 32.75	7590	5391	12981	43.89	30.00	73.89	49.0%	66.9%		73.3%	74.2%					
32.75 - 32	7693	5437	13130	44.09	30.00	74.09	49.1%	67.0%		73.4%	74.4%					
32 - 31.75	7674	4095	11768	44.15	24.00	68.15	51.5%	76.6%			76.6%					
31.75 - 30	7917	4177	12093	44.61	24.00	68.61	51.9%	76.9%			76.9%					
30 - 29.75	7952	4188	12140	44.68	24.00	68.68	51.9%	76.9%	76.9%							
29.75 - 24.75	8676	4428	13104	46.00	24.00	70.00	52.9%	77.8%	77.8%							
24.75 - 19.75	9443	4674	14117	47.31	24.00	71.31	53.9%	78.6%	78.6%							
19.75 - 14.75	10254	4927	15181	48.63	24.00	72.63	54.9%	79.3%	79.3%							
14.75 - 9.75	11110	5186	16297	49.95	24.00	73.95	55.8%	80.0%	80.0%							
9.75 - 4.75	12013	5452	17465	51.27	24.00	75.27	56.7%	80.6%	80.6%							
4.75 - 0	12914	5712	18626	52.52	24.00	76.52	57.6%	81.2%	81.2%							

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

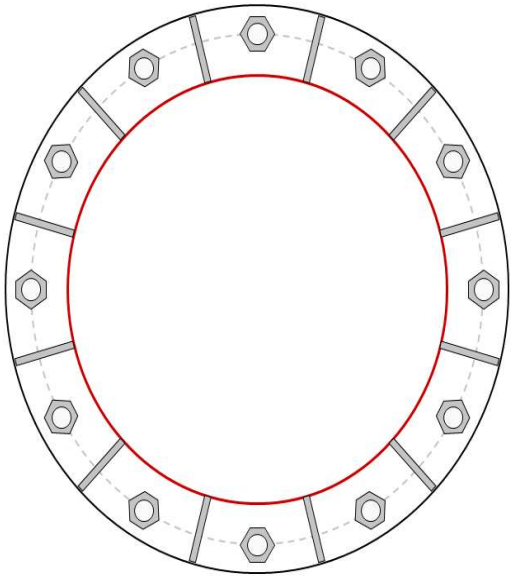
Monopole Base Plate Connection

Site Info	
BU #	876384
Site Name	Westbrook/ Orsina
Order #	527515 rev 0

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

Applied Loads	
Moment (kip-ft)	2907.26
Axial Force (kips)	44.42
Shear Force (kips)	28.69

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 53" BC

Base Plate Data

59" OD x 1.75" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

(12) 18"H x 7"W x 0.75"T, Notch: 0.75"
plate: Fy= 50 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" groove, 45° dbl bevelFALSE
vert. weld: 0.375" fillet

Pole Data

44.5" x 0.55" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary		*(units of kips, kip-in)*
Pu_c = 222.96	ϕPn_c = 268.39	**Stress Rating**
Vu = 2.39	ϕVn = 120.77	**79.2%**
Mu = n/a	ϕMn = n/a	Pass

Base Plate Summary		
Max Stress (ksi):	43.83	(Roark's Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**77.3%**	Pass

Stiffener Summary		
Horizontal Weld:	**57.4%**	Pass
Vertical Weld:	**44.3%**	Pass
Plate Flexure+Shear:	**19.8%**	Pass
Plate Tension+Shear:	**58.0%**	Pass
Plate Compression:	**64.5%**	Pass

Pole Summary		
Punching Shear:	**9.1%**	Pass

Pier and Pad Foundation

BU # :	876384
Site Name:	Westbrook/Orsina
App. Number:	527515 rev 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	44	kips
Base Shear, Vu_comp:	29	kips
Moment, M_u:	2907	ft-kips
Tower Height, **H**:	150	ft
BP Dist. Above Fdn, bp_{dist}:	3	in

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	6	ft
Ext. Above Grade, **E**:	1	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	30	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	7	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	5	in

Pad Properties

Depth, **D**:	5	ft
Pad Width, **W**:	28	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom), **Sp**:	8	
Pad Rebar Quantity (Bottom), **mp**:	28	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

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

Soil Properties

Total Soil Unit Weight, γ:	100	pcf
Ultimate Gross Bearing, Qult:	8.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	0	degrees
SPT Blow Count, N_{blows}:	13	
Base Friction, μ:	0.3	
Neglected Depth, **N**:	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	2.5	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	98.64	29.00	**28.0%**	**Pass**
Bearing Pressure (ksf)	6.00	1.37	**22.9%**	**Pass**
*Overturning (kip*ft)*	5012.27	3088.25	**61.6%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	3270.98	2994.00	**87.2%**	**Pass**
Pier Compression (kip)	22913.28	63.44	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	3077.69	1313.53	**40.6%**	**Pass**
Pad Shear - 1-way (kips)	1004.09	171.60	**16.3%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.035	**17.7%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3248.34	1796.40	**52.7%**	**Pass**

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

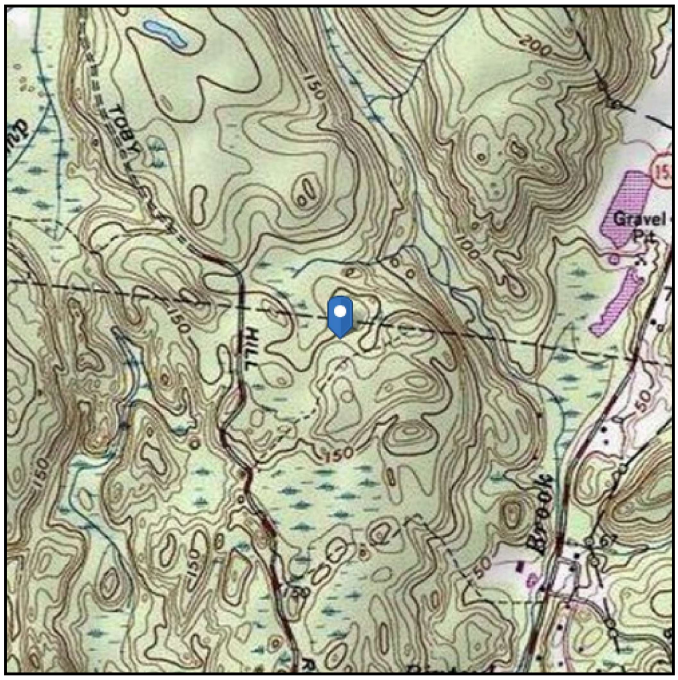
Soil Rating*:	**61.6%**
Structural Rating*:	**87.2%**

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 159.59 ft (NAVD 88)
Latitude: 41.320167
Longitude: -72.441667



Wind

Results:

Wind Speed:	131 Vmph
10-year MRI	79 Vmph
25-year MRI	89 Vmph
50-year MRI	97 Vmph
100-year MRI	107 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:	Thu Oct 15 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.

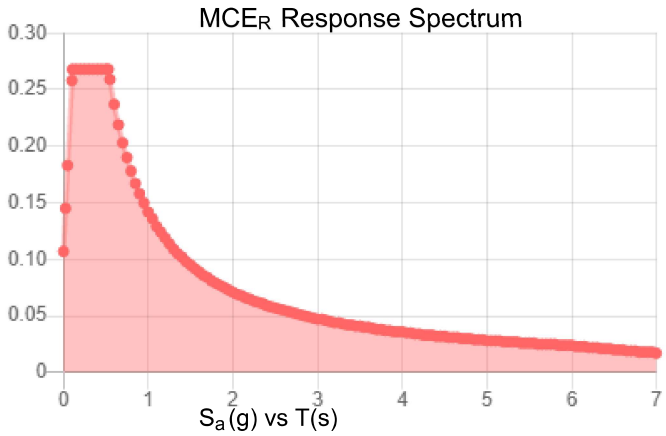
Seismic

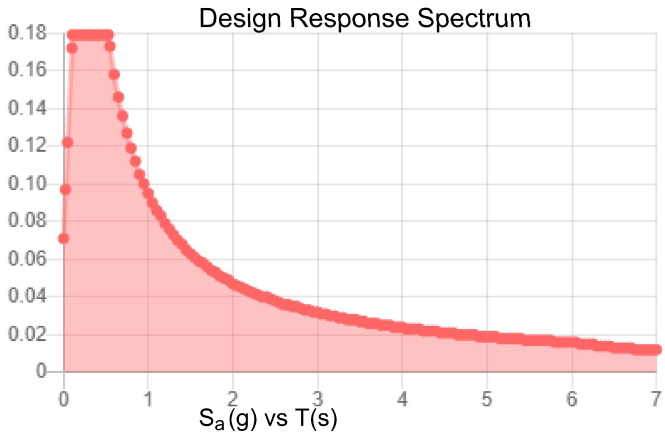
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.167	S_{DS} :	0.179
S_1 :	0.059	S_{D1} :	0.095
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.084
S_{MS} :	0.268	PGA_M :	0.135
S_{M1} :	0.142	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Thu Oct 15 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:	Thu Oct 15 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.

Exhibit E

Mount Analysis

Date: **October 14, 2020**

Kevin Morrow
Crown Castle
6325 Ardrey Kell Rd, Suite 600
Charlotte, NC 28277
(704) 405-6619

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

Subject:	**Mount Analysis Report**	
Carrier Designation:	**AT&T Mobility**	
	Carrier Site Number:	**45340**
	Carrier Site Name:	**CTL05886DATE**
	FA Number:	**10071349**
	Pace Number:	**MRCTB048493**
Crown Castle Designation:	**Crown Castle BU Number:**	**876384**
	Crown Castle Site Name:	**WESTBROOK / ORSINA**
	Crown Castle JDE Job Number:	**617842**
	Crown Castle Order Number:	**527515 Rev 0**
Engineering Firm Designation:	**POD Report Designation:**	**20-70557**
Site Data:	**798 Toby Hill Road, Westbrook, Middlesex County, CT 06498** **Latitude 41°19'12.60" Longitude -72°26'30.00"**	
Structure Information:	**Tower Height & Type:**	**150 ft Monopole**
	Mount Elevation:	**130 ft**
	Mount Type:	**12.5 ft. Low Profile Platform**

Dear Kevin Morrow,

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

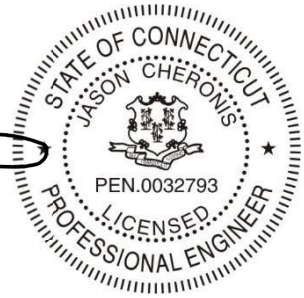
The purpose of the analysis is to determine acceptability of the mount stress level. Based on our analysis we have determined the mount stress level to be:

12.5 ft. Low Profile Platform(Multiple Sector) **Sufficient**

The analysis has been performed in accordance with the TIA-222-H Standard based upon an ultimate 3-second gust wind speed of 124 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount analysis prepared by: Uma Toluganti

Respectfully submitted by:



10/14/2020

Jason Cheronis, PE
Connecticut PE#: 0032793

TABLE OF CONTENTS

1) INTRODUCTION

This mount is an existing 12.5 ft. Low Profile Platform. This mount is installed at the 130 ft elevation on the 150 ft Monopole.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	124 mph
Exposure Category:	C
Topographic Factor at Base:	1.00
Topographic Factor at Mount:	1.00
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.206
Seismic S_1:	0.054
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
130	130	3	CCI ANTENNAS	DMP65R-BU6D	12.5 ft. Low Profile Platform	-
		3	CCI ANTENNAS	OPA65R-BU6D		
		3	POWERWAVE TECHNOLOGIES	7770.00		
		3	ERICSSON	RRUS 4449 B5/B12		
		3	ERICSSON	RRUS 4478 B14		
		3	ERICSSON	RRUS 8843 B2/ B66A		
		3	POWERWAVE TECHNOLOGIES	1001940		
		2	RAYCAP	DC6-48-60-18-8F		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle App 527515 Rev 0 Dated: 10/08/2020	Crown Castle
RFDS	-	AT&T RFDS ID: 4094806 Dated: 08/14/2020	Crown Castle

3.1) Analysis Method

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

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

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) All the mount pipes assumed to be moved up 2 ft on each sector in order to achieve proposed equipment centerline.
9) Steel grades have been assumed as follows, unless noted otherwise:
    a. Channel, Solid Round, 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 (12.5 ft. Low Profile Platform)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
-	Plate	SM PL1	130	59.0	Pass
	Mount Pipe	MP ALPHA2	130	43.5	Pass
	Standoff	SO1	130	41.3	Pass
	Corner Plate	C PL5	130	39.9	Pass
	Support	SUPPORT2	130	21.8	Pass
	Cross Arm	CROSSARM1	130	17.8	Pass
	Face	FACE1	130	14.6	Pass
1	Flange Plate Bolts	-	-	80.8	Pass
	Flange Plate	-	-	6.8	Pass

Structure Rating (max from all components) =	59.0 %

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. No modifications are required at this time.

Table 4 – AT&T Specification

Wind Speed (mph)	Ice Thickness (in)	Height (ft)	Exposure	Class	Topo	# of Pipes	Allowable EPA per Pipe (ft sq.)	Allowable Weight per Sector (lbs)
124	1	130	C	II	1	3	12.93	1500

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.

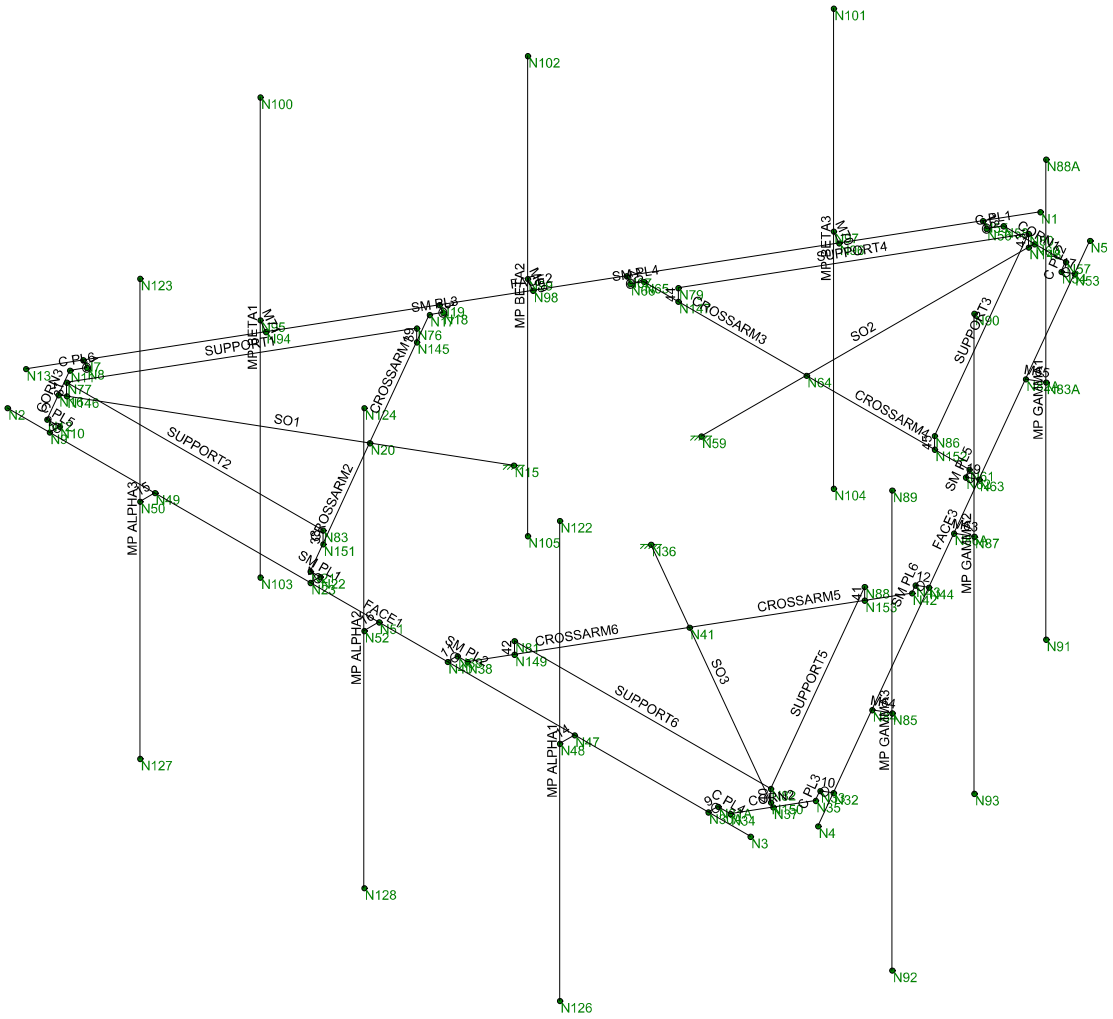
It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

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.

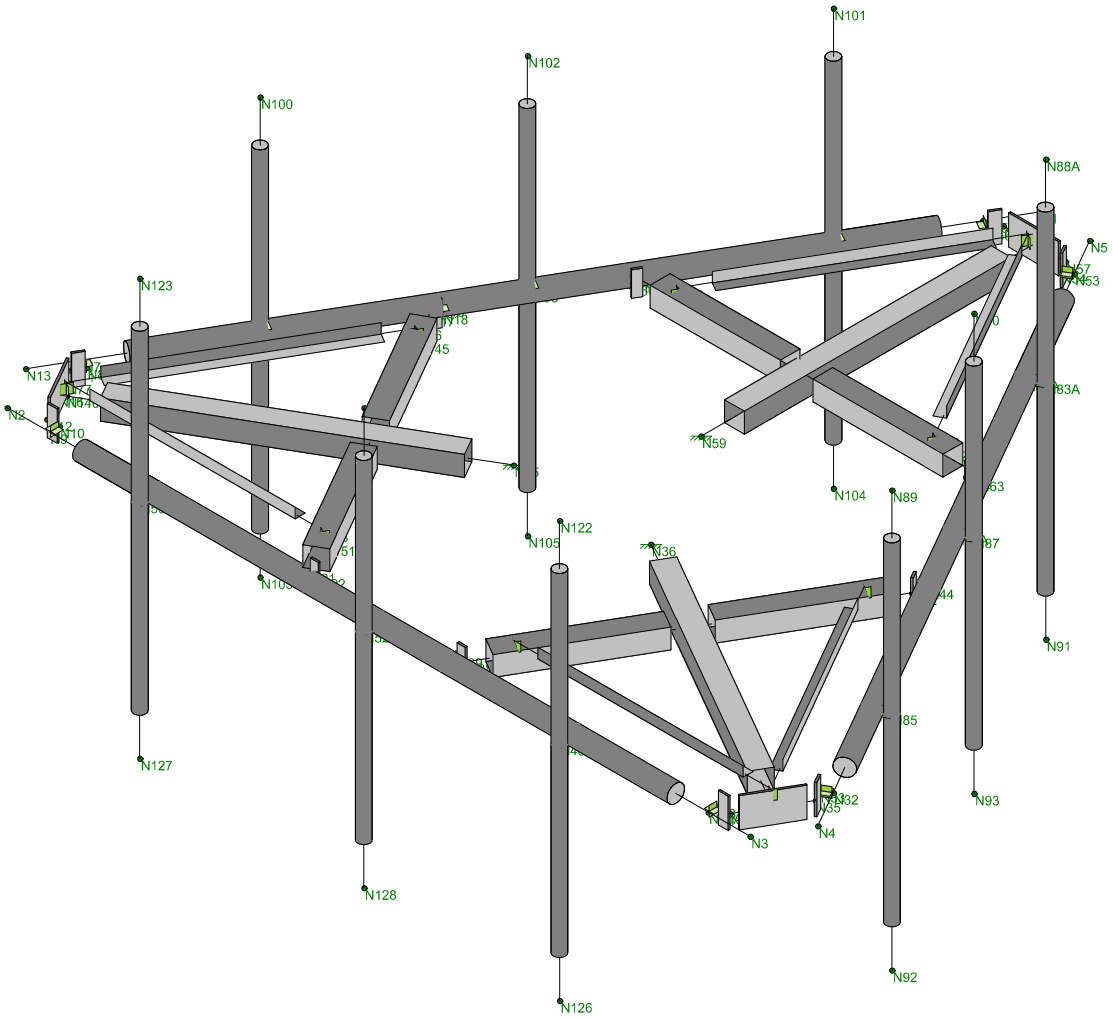
POD Group makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this structure. POD Group will not be responsible whatsoever, for or on account of, consequential or incidental damages sustained by 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

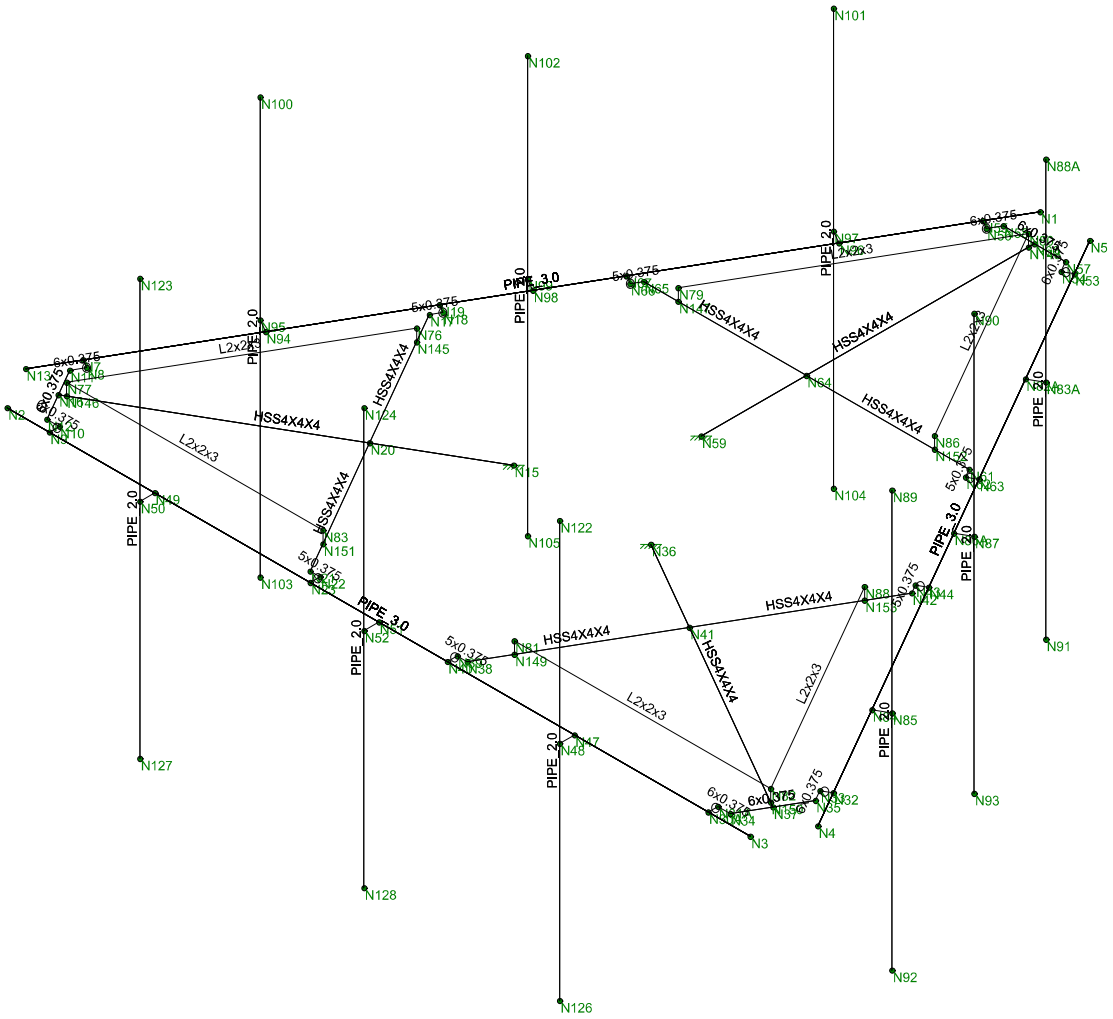
Wire Frame and Rendered Models



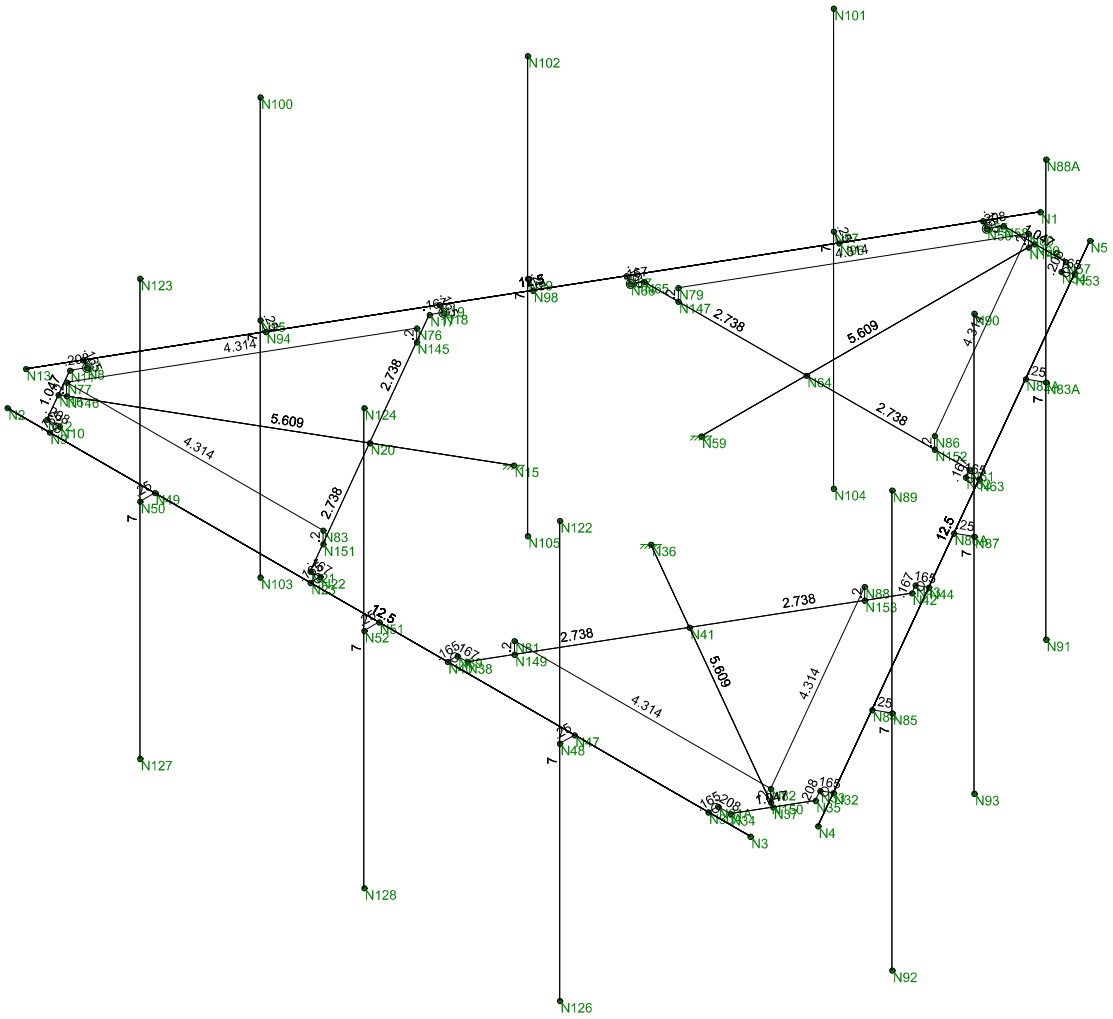
POD	876384	SK - 1
UT		Oct 14, 2020 at 3:43 PM
20-70557		(PL61) 12.5' Cpmmscope Platform...



POD	876384	SK - 2
UT		Oct 14, 2020 at 3:44 PM
20-70557		(PL61) 12.5' Cpmmscope Platform...

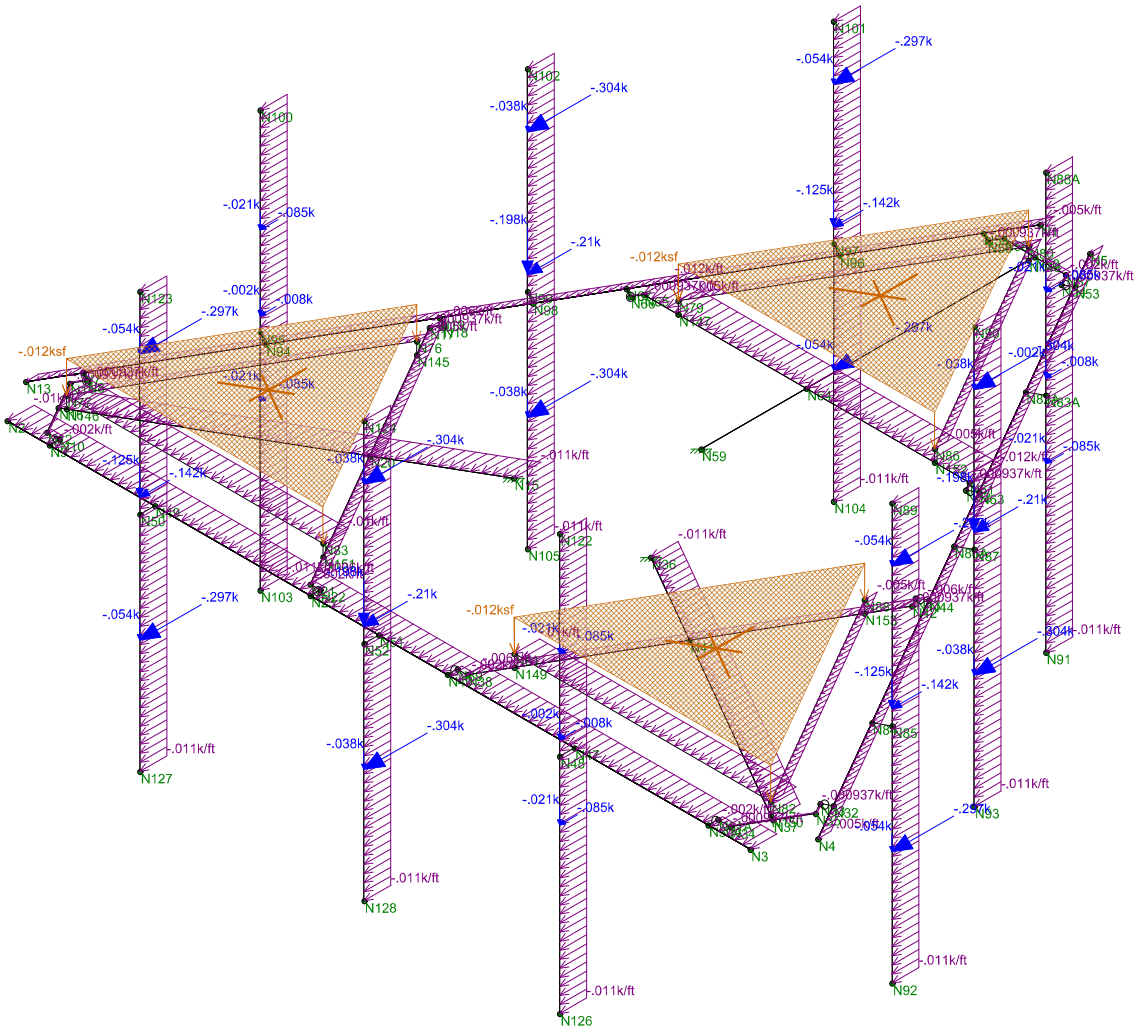


POD	876384	SK - 3
UT		Oct 14, 2020 at 3:44 PM
20-70557		(PL61) 12.5' Cpmmscope Platform...



Member Length (ft) Displayed

POD	876384	SK - 4
UT		Oct 14, 2020 at 3:44 PM
20-70557		(PL61) 12.5' Cpmmscope Platform...



Loads: LC 2, 1.2D + 1.0W(0)

POD	876384	SK - 5
UT		Oct 14, 2020 at 3:44 PM
20-70557		(PL61) 12.5' Cpmmscope Platform...

APPENDIX B

Software Input Calculations

POD
POWER OF DESIGN

POD Job #	**20-70557**
Site Number	**876384**
Site Name	**WESTBROOK / ORSINA**

General Site Information

Mount Type	LLP	Risk Category	II	I (seismic)	1	
V (Wind Speed)	124	I(ice)	1	Sms	0.330	
Zs	159.59			Sm1	0.130	
ti	1	Ss	0.206	Sds	0.220	
Vi	50	S1	0.054	Sd1	0.086	
Kzt	1	Soil Site Class	D	Seismic Design Category		
Exposure	C	Fa	1.600		B	
zg	900	Fv	2.400	Seismic Analysis Not Required		
α	9.5			R	2	TIA-222-H 16.7
Kmin	0.85	Tower Type	Monopole	As	1	TIA-222-H 16.7
G_H	1	Tower Height	150	Cs, Min	0.03	TIA-222-H 2.7.7.1.1
Ke	0.99			Cs	0.109866667	TIA-222-H 2.7.7.1.1
K_D	0.95					
K_s	0.9					

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity		MP #
DMP65R-BU6D			130	4	50		A/B/C	1	3	
OPA65R-BU6D			130	4	50		A/B/C	1	2	
7770			130	4	30		A/B/C	1	1	
RRUS 4449 B5/B12			130	4			A/B/C	1	3	
RRUS 4478 B14			130	4			A/B/C	1	2	
RRUS 8843 B2/B66A			130	4			A/B/C	1	2	
1001940			130	4			A/B/C	1	1	
DC6-48-60-18-8F			130	4			A	1	2	3

Mount Information

Elevation (ft)	130	Grating Thickness (in)	1
K_z	1.34	Grating Ice Weight (k/ft²)	0.014
Kiz	1.15		
tiz	1.15		

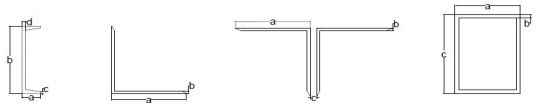
	Length (ft)	Width (in)	Centerline
Mount Pipes	7	2.375	130

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
Face	12.5	3.5	Yes	3

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D		Frame Member	# of Members
Support	4.314	2	Angle		2	0.1875			No	6
Standoff	5.609	4	Square HSS		4	0.25	4		No	3
Plate	0.167	0.375	Channel		0	6	0	0.375	No	6
Crossarm	2.738	4	Square HSS		4	0.25	4		No	6
Corner	1.047	0.375	Channel		0	6	0	0.375	No	2



Version 3.21

Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
DMP65R-BU6D	71.2	20.7	7.7	89.3	1.34	49.73	11.93	4.48	0.593	0.223	0.501	0.501	0.223
OPA65R-BU6D	71.2	21.0	7.8	63.5	1.34	49.73	12.22	4.54	0.608	0.226	0.512	0.512	0.226
7770	55.0	11.0	5.0	35.0	1.34	49.73	3.42	1.56	0.170	0.078	0.147	0.147	0.078
RRUS 4449 B5/B12	17.9	13.2	9.4	71.0	1.34	49.73	1.77	1.27	0.088	0.063	0.082	0.082	0.063
RRUS 4478 B14	16.5	13.4	7.7	59.9	1.34	49.73	1.66	0.95	0.082	0.047	0.074	0.074	0.047
RRUS 8843 B2/B66A	14.9	13.2	10.9	72.0	1.34	49.73	1.48	1.22	0.073	0.061	0.070	0.070	0.061
1001940	5.7	3.7	1.7	2.0	1.34	49.73	0.16	0.07	0.008	0.004	0.007	0.007	0.004
DC6-48-60-18-8F	31.3	11.0	11.0	32.8	1.34	49.73	1.09	1.21	0.054	0.060	0.056	0.056	0.060

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
DMP65R-BU6D	1.15	73.49	22.99	9.99	179.54	1.15	8.09	12.31	5.39	0.100	0.044	0.086	0.086	0.044
OPA65R-BU6D	1.15	73.49	23.29	10.09	182.06	1.15	8.09	12.59	5.46	0.102	0.044	0.087	0.087	0.044
7770	1.15	57.29	13.29	7.29	82.01	1.15	8.09	3.88	2.13	0.031	0.017	0.028	0.028	0.017
RRUS 4449 B5/B12	1.15	20.19	15.48	11.73	46.67	1.15	8.09	1.37	1.04	0.011	0.008	0.010	0.010	0.008
RRUS 4478 B14	1.15	18.79	15.69	9.99	40.35	1.15	8.09	1.29	0.82	0.010	0.007	0.010	0.010	0.007
RRUS 8843 B2/B66A	1.15	17.19	15.49	13.19	44.43	1.15	8.09	1.17	0.99	0.009	0.008	0.009	0.009	0.008
1001940	1.15	7.99	5.99	3.99	5.04	1.15	8.09	0.21	0.14	0.002	0.001	0.002	0.002	0.001
DC6-48-60-18-8F	1.15	33.54	13.29	13.29	69.57	1.15	8.09	1.95	1.95	0.016	0.016	0.016	0.016	0.016

Round Members

Member	Wind Calculations q_z (lb/ft^2)	Ar	C	n/a	Drag	EPA (ft^2)	Load (k/ft)	Ice Calculations Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Arice	n/a	Drag	EPA (ft^2)	Load (k/ft)
Face	49.73	10.94	40.77		1.20	3.94	0.010	5.79	0.01	8.09	18.11		1.20	6.52	0.003

Flat Members

Member	Wind Calculations q_z (lb/ft^2)	Af	Drag	EPA	Load (k/ft)	Ice Calculations Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Arice	n/a	Drag	EPA	Load (k/ft)
Support	49.73	4.31	2.00	1.29	0.010	4.29	0.01	8.09	9.26		2.00	2.78	0.003
Standoff	49.73	5.61	1.25	2.10	0.012	6.29	0.01	8.09	8.83		1.25	3.31	0.003
Plate	49.73	0.03	2.00	0.01	0.002	2.67	0.01	8.09	0.22		2.00	0.07	0.002
Crossarm	49.73	5.48	1.25	1.03	0.012	6.29	0.01	8.09	8.62		1.25	1.62	0.003
Corner	49.73	0.07	2.00	0.06	0.002	2.67	0.01	8.09	0.47		2.00	0.42	0.002

Appurtenance Seismic Calculations

Model	Weight	Sds	ρ	Cs	As	Ev	Eh
DMP65R-BU6D	89.3	0.220	1.000	0.110	1.000	0.004	0.010
OPA65R-BU6D	63.5	0.220	1.000	0.110	1.000	0.003	0.007
7770	35.0	0.220	1.000	0.110	1.000	0.002	0.004
RRUS 4449 B5/B12	71.0	0.220	1.000	0.110	1.000	0.003	0.008
RRUS 4478 B14	59.9	0.220	1.000	0.110	1.000	0.003	0.007
RRUS 8843 B2/B66A	72.0	0.220	1.000	0.110	1.000	0.003	0.008
1001940	2.0	0.220	1.000	0.110	1.000	0.000	0.000
DC6-48-60-18-8F	32.8	0.220	1.000	0.110	1.000	0.001	0.004

Version 3.21

APPENDIX C

Software Analysis Output

Hot Rolled Steel Design Parameters

	Label	Shape	Lengt...	Lbyy[ft]	Lbzz[ft]	Lcomp t...	Lcomp ...	L-to...	Kyy	Kzz	Cb	Function
1	SUPPORT6	L2x2x3	4.314			Lbyy						Lateral
2	SUPPORT5	L2x2x3	4.314			Lbyy						Lateral
3	SUPPORT4	L2x2x3	4.314			Lbyy						Lateral
4	SUPPORT3	L2x2x3	4.314			Lbyy						Lateral
5	SUPPORT2	L2x2x3	4.314			Lbyy						Lateral
6	SUPPORT1	L2x2x3	4.314			Lbyy						Lateral
7	SO3	HSS4X4X4	5.609			Lbyy						Lateral
8	SO2	HSS4X4X4	5.609			Lbyy						Lateral
9	SO1	HSS4X4X4	5.609			Lbyy						Lateral
10	SM PL6	5x0.375	.167			Lbyy						Lateral
11	SM PL5	5x0.375	.167			Lbyy						Lateral
12	SM PL4	5x0.375	.167			Lbyy						Lateral
13	SM PL3	5x0.375	.167			Lbyy						Lateral
14	SM PL2	5x0.375	.167			Lbyy						Lateral
15	SM PL1	5x0.375	.167			Lbyy						Lateral
16	MP ALPHA3	PIPE_2.0	7			Lbyy						Lateral
17	MP ALPHA2	PIPE_2.0	7			Lbyy						Lateral
18	FACE3	PIPE_3.0	12.5			Lbyy						Lateral
19	FACE2	PIPE_3.0	12.5			Lbyy						Lateral
20	FACE1	PIPE_3.0	12.5			Lbyy						Lateral
21	CROSSARM6	HSS4X4X4	2.738			Lbyy						Lateral
22	CROSSARM5	HSS4X4X4	2.738			Lbyy						Lateral
23	CROSSARM4	HSS4X4X4	2.738			Lbyy						Lateral
24	CROSSARM3	HSS4X4X4	2.738			Lbyy						Lateral
25	CROSSARM2	HSS4X4X4	2.738			Lbyy						Lateral
26	CROSSARM1	HSS4X4X4	2.738			Lbyy						Lateral
27	CORN3	6x0.375	1.047			Lbyy						Lateral
28	CORN2	6x0.375	1.047			Lbyy						Lateral
29	CORN1	6x0.375	1.047			Lbyy						Lateral
30	C PL6	6x0.375	.208			Lbyy						Lateral
31	C PL5	6x0.375	.208			Lbyy						Lateral
32	C PL4	6x0.375	.208			Lbyy						Lateral
33	C PL3	6x0.375	.208			Lbyy						Lateral
34	C PL2	6x0.375	.208			Lbyy						Lateral
35	C PL1	6x0.375	.208			Lbyy						Lateral
36	MP ALPHA1	PIPE_2.0	7			Lbyy						Lateral
37	MP GAMMA3	PIPE_2.0	7			Lbyy						Lateral
38	MP GAMMA2	PIPE_2.0	7			Lbyy						Lateral
39	MP GAMMA1	PIPE_2.0	7			Lbyy						Lateral
40	MP BETA3	PIPE_2.0	7			Lbyy						Lateral
41	MP BETA2	PIPE_2.0	7			Lbyy						Lateral
42	MP BETA1	PIPE_2.0	7			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
1	SUPPORT6	N81	N82		360	L2x2x3	Beam	Single Ang...	A36 Gr.36	Typical
2	SUPPORT5	N88	N82		90	L2x2x3	Beam	Single Ang...	A36 Gr.36	Typical
3	SUPPORT4	N79	N80		90	L2x2x3	Beam	Single Ang...	A36 Gr.36	Typical
4	SUPPORT3	N86	N80		180	L2x2x3	Beam	Single Ang...	A36 Gr.36	Typical
5	SUPPORT2	N83	N77		270	L2x2x3	Beam	Single Ang...	A36 Gr.36	Typical
6	SUPPORT1	N76	N77		180	L2x2x3	Beam	Single Ang...	A36 Gr.36	Typical
7	SO3	N36	N37		360	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
8	SO2	N59	N60		360	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
9	SO1	N15	N16		180	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
10	SM PL6	N42	N43		90	5x0.375	Beam	RECT	A36 Gr.36	Typical
11	SM PL5	N61	N62		270	5x0.375	Beam	RECT	A36 Gr.36	Typical
12	SM PL4	N65	N66		90	5x0.375	Beam	RECT	A36 Gr.36	Typical
13	SM PL3	N17	N18		270	5x0.375	Beam	RECT	A36 Gr.36	Typical
14	SM PL2	N38	N39		90	5x0.375	Beam	RECT	A36 Gr.36	Typical
15	SM PL1	N21	N22		90	5x0.375	Beam	RECT	A36 Gr.36	Typical
16	MP ALPHA3	N127	N123		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
17	MP ALPHA2	N128	N124		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
18	FACE3	N4	N5		360	PIPE_3.0	Beam	Pipe	A500 Gr.B RND	Typical
19	FACE2	N1	N13		180	PIPE_3.0	Beam	Pipe	A500 Gr.B RND	Typical
20	FACE1	N2	N3		180	PIPE_3.0	Beam	Pipe	A500 Gr.B RND	Typical
21	CROSSARM6	N38	N41		90	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
22	CROSSARM5	N42	N41		90	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
23	CROSSARM4	N61	N64		270	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
24	CROSSARM3	N65	N64		270	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
25	CROSSARM2	N21	N20		90	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
26	CROSSARM1	N17	N20		90	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
27	CORN3	N11	N12		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
28	CORN2	N34	N35		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
29	CORN1	N57	N58		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
30	C PL6	N8	N11		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
31	C PL5	N10	N12		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
32	C PL4	N31A	N34		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
33	C PL3	N33	N35		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
34	C PL2	N54	N57		270	6x0.375	Beam	RECT	A36 Gr.36	Typical
35	C PL1	N56	N58		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
36	45	N152	N86		240	RIGID	None	None	RIGID	Typical
37	44	N147	N79		240	RIGID	None	None	RIGID	Typical
38	43	N148	N80		240	RIGID	None	None	RIGID	Typical
39	42	N149	N81		240	RIGID	None	None	RIGID	Typical
40	41	N153	N88		240	RIGID	None	None	RIGID	Typical
41	40	N150	N82		240	RIGID	None	None	RIGID	Typical
42	39	N145	N76		240	RIGID	None	None	RIGID	Typical
43	38	N151	N83		240	RIGID	None	None	RIGID	Typical
44	37	N146	N77		240	RIGID	None	None	RIGID	Typical
45	20	N66	N67		180	RIGID	None	None	RIGID	Typical
46	19	N62	N63		180	RIGID	None	None	RIGID	Typical
47	18	N56	N55		180	RIGID	None	None	RIGID	Typical
48	17	N54	N53		180	RIGID	None	None	RIGID	Typical
49	16	N51	N52		360	RIGID	None	None	RIGID	Typical
50	15	N49	N50		360	RIGID	None	None	RIGID	Typical
51	14	N47	N48		360	RIGID	None	None	RIGID	Typical
52	12	N43	N44		360	RIGID	None	None	RIGID	Typical
53	11	N39	N40		360	RIGID	None	None	RIGID	Typical
54	10	N33	N32		360	RIGID	None	None	RIGID	Typical
55	9	N31A	N30A		360	RIGID	None	None	RIGID	Typical
56	4	N22	N23		180	RIGID	None	None	RIGID	Typical
57	3	N18	N19		360	RIGID	None	None	RIGID	Typical
58	2	N10	N9		180	RIGID	None	None	RIGID	Typical
59	1	N8	N7		360	RIGID	None	None	RIGID	Typical
60	MP ALPHA1	N126	N122		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
61	MP GAMMA3	N92	N89		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
62	MP GAMMA2	N93	N90		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
63	M63	N86A	N87		360	RIGID	None	None	RIGID	Typical
64	M64	N84	N85		360	RIGID	None	None	RIGID	Typical
65	M65	N82A	N83A		360	RIGID	None	None	RIGID	Typical
66	MP GAMMA1	N91	N88A		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
67	MP BETA3	N104	N101		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
68	MP BETA2	N105	N102		240	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
69	M69	N98	N99		360	RIGID	None	None	RIGID	Typical
70	M70	N96	N97		360	RIGID	None	None	RIGID	Typical
71	M71	N94	N95		360	RIGID	None	None	RIGID	Typical
72	MP BETA1	N103	N100		240	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 Ratio Options	Analysis...	Inactive	Seismi...
1	SUPPOR...						Yes				None
2	SUPPOR...						Yes				None
3	SUPPOR...						Yes				None
4	SUPPOR...						Yes				None
5	SUPPOR...						Yes				None
6	SUPPOR...						Yes				None
7	SO3						Yes	Default			None
8	SO2						Yes	Default			None
9	SO1						Yes	Default			None
10	SM PL6						Yes				None
11	SM PL5						Yes				None
12	SM PL4						Yes				None
13	SM PL3						Yes				None
14	SM PL2						Yes				None
15	SM PL1						Yes	Default			None
16	MP ALP...						Yes				None
17	MP ALP...						Yes				None
18	FACE3						Yes				None
19	FACE2						Yes				None
20	FACE1						Yes				None
21	CROSSA...						Yes				None
22	CROSSA...						Yes	Default			None
23	CROSSA...						Yes				None
24	CROSSA...						Yes	Default			None
25	CROSSA...						Yes	Default			None
26	CROSSA...						Yes				None
27	CORN3						Yes				None
28	CORN2						Yes				None
29	CORN1						Yes				None
30	C PL6						Yes				None
31	C PL5						Yes				None
32	C PL4						Yes				None
33	C PL3						Yes				None
34	C PL2						Yes				None
35	C PL1						Yes				None
36	45						Yes	** NA **			None
37	44						Yes	** NA **			None
38	43						Yes	** NA **			None
39	42						Yes	** NA **			None
40	41						Yes	** NA **			None
41	40						Yes	** NA **			None
42	39						Yes	** NA **			None
43	38						Yes	** NA **			None
44	37						Yes	** NA **			None
45	20		OOOXOO				Yes	** NA **			None
46	19		OOOXOO				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Options	Analysis...	Inactive	Seismi...
47	18		OOOXOO				Yes	** NA **			None
48	17		OOOXOO				Yes	** NA **			None
49	16						Yes	** NA **			None
50	15						Yes	** NA **			None
51	14						Yes	** NA **			None
52	12		OOOXOO				Yes	** NA **			None
53	11		OOOXOO				Yes	** NA **			None
54	10		OOOXOO				Yes	** NA **			None
55	9		OOOXOO				Yes	** NA **			None
56	4		OOOXOO				Yes	** NA **			None
57	3		OOOXOO				Yes	** NA **			None
58	2		OOOXOO				Yes	** NA **			None
59	1		OOOXOO				Yes	** NA **			None
60	MP ALP...						Yes				None
61	MP GAM...						Yes				None
62	MP GAM...						Yes				None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	MP GAM...						Yes				None
67	MP BETA3						Yes				None
68	MP BETA2						Yes				None
69	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	MP BETA1						Yes				None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1

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 ALPHA3	Y	-.297	6.083
2	MP ALPHA3	Y	-.297	1.917
3	MP ALPHA2	Y	-.304	6.083
4	MP ALPHA2	Y	-.304	1.917
5	MP ALPHA3	Y	-.088	4
6	MP ALPHA2	Y	-.082	4
7	MP ALPHA2	Y	-.073	4
8	MP ALPHA2	Y	-.054	4
9	MP ALPHA3	Y	-.054	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP ALPHA1	Y	-.085	5.25
11	MP ALPHA1	Y	-.085	2.75
12	MP ALPHA1	Y	-.008	4
13	MP GAMMA3	Y	-.297	6.083
14	MP GAMMA3	Y	-.297	1.917
15	MP GAMMA3	Y	-.088	4
16	MP GAMMA3	Y	-.054	4
17	MP GAMMA2	Y	-.304	6.083
18	MP GAMMA2	Y	-.304	1.917
19	MP GAMMA2	Y	-.082	4
20	MP GAMMA2	Y	-.073	4
21	MP GAMMA2	Y	-.054	4
22	MP GAMMA1	Y	-.085	5.25
23	MP GAMMA1	Y	-.085	2.75
24	MP GAMMA1	Y	-.008	4
25	MP BETA3	Y	-.297	6.083
26	MP BETA3	Y	-.297	1.917
27	MP BETA3	Y	-.088	4
28	MP BETA3	Y	-.054	4
29	MP BETA2	Y	-.304	6.083
30	MP BETA2	Y	-.304	1.917
31	MP BETA2	Y	-.082	4
32	MP BETA2	Y	-.073	4
33	MP BETA2	Y	-.054	4
34	MP BETA1	Y	-.085	5.25
35	MP BETA1	Y	-.085	2.75
36	MP BETA1	Y	-.008	4

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.045	6.083
2	MP ALPHA3	Z	-.045	1.917
3	MP ALPHA2	Z	-.032	6.083
4	MP ALPHA2	Z	-.032	1.917
5	MP ALPHA3	Z	-.071	4
6	MP ALPHA2	Z	-.06	4
7	MP ALPHA2	Z	-.072	4
8	MP ALPHA2	Z	-.033	4
9	MP ALPHA3	Z	-.033	4
10	MP ALPHA1	Z	-.018	5.25
11	MP ALPHA1	Z	-.018	2.75
12	MP ALPHA1	Z	-.002	4
13	MP GAMMA3	Z	-.045	6.083
14	MP GAMMA3	Z	-.045	1.917
15	MP GAMMA3	Z	-.071	4
16	MP GAMMA3	Z	-.033	4
17	MP GAMMA2	Z	-.032	6.083
18	MP GAMMA2	Z	-.032	1.917
19	MP GAMMA2	Z	-.06	4
20	MP GAMMA2	Z	-.072	4
21	MP GAMMA2	Z	-.033	4
22	MP GAMMA1	Z	-.018	5.25
23	MP GAMMA1	Z	-.018	2.75
24	MP GAMMA1	Z	-.002	4
25	MP BETA3	Z	-.045	6.083
26	MP BETA3	Z	-.045	1.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP BETA3	Z	-.071	4
28	MP BETA3	Z	-.033	4
29	MP BETA2	Z	-.032	6.083
30	MP BETA2	Z	-.032	1.917
31	MP BETA2	Z	-.06	4
32	MP BETA2	Z	-.072	4
33	MP BETA2	Z	-.033	4
34	MP BETA1	Z	-.018	5.25
35	MP BETA1	Z	-.018	2.75
36	MP BETA1	Z	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.217	6.083
2	MP ALPHA3	Y	-.217	1.917
3	MP ALPHA3	X	-.125	6.083
4	MP ALPHA3	X	-.125	1.917
5	MP ALPHA2	Y	-.222	6.083
6	MP ALPHA2	Y	-.222	1.917
7	MP ALPHA2	X	-.128	6.083
8	MP ALPHA2	X	-.128	1.917
9	MP ALPHA3	Y	-.071	4
10	MP ALPHA3	X	-.041	4
11	MP ALPHA2	Y	-.064	4
12	MP ALPHA2	X	-.037	4
13	MP ALPHA2	Y	-.061	4
14	MP ALPHA2	X	-.035	4
15	MP ALPHA2	Y	-.048	4
16	MP ALPHA2	X	-.028	4
17	MP ALPHA3	Y	-.048	4
18	MP ALPHA3	X	-.028	4
19	MP ALPHA1	Y	-.064	5.25
20	MP ALPHA1	Y	-.064	2.75
21	MP ALPHA1	X	-.037	5.25
22	MP ALPHA1	X	-.037	2.75
23	MP ALPHA1	Y	-.006	4
24	MP ALPHA1	X	-.003	4
25	MP GAMMA3	Y	-.217	6.083
26	MP GAMMA3	Y	-.217	1.917
27	MP GAMMA3	X	-.125	6.083
28	MP GAMMA3	X	-.125	1.917
29	MP GAMMA3	Y	-.071	4
30	MP GAMMA3	X	-.041	4
31	MP GAMMA3	Y	-.048	4
32	MP GAMMA3	X	-.028	4
33	MP GAMMA2	Y	-.222	6.083
34	MP GAMMA2	Y	-.222	1.917
35	MP GAMMA2	X	-.128	6.083
36	MP GAMMA2	X	-.128	1.917
37	MP GAMMA2	Y	-.064	4
38	MP GAMMA2	X	-.037	4
39	MP GAMMA2	Y	-.061	4
40	MP GAMMA2	X	-.035	4
41	MP GAMMA2	Y	-.048	4
42	MP GAMMA2	X	-.028	4
43	MP GAMMA1	Y	-.064	5.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
44	MP GAMMA1	Y	-.064	2.75
45	MP GAMMA1	X	-.037	5.25
46	MP GAMMA1	X	-.037	2.75
47	MP GAMMA1	Y	-.006	4
48	MP GAMMA1	X	-.003	4
49	MP BETA3	Y	-.217	6.083
50	MP BETA3	Y	-.217	1.917
51	MP BETA3	X	-.125	6.083
52	MP BETA3	X	-.125	1.917
53	MP BETA3	Y	-.071	4
54	MP BETA3	X	-.041	4
55	MP BETA3	Y	-.048	4
56	MP BETA3	X	-.028	4
57	MP BETA2	Y	-.222	6.083
58	MP BETA2	Y	-.222	1.917
59	MP BETA2	X	-.128	6.083
60	MP BETA2	X	-.128	1.917
61	MP BETA2	Y	-.064	4
62	MP BETA2	X	-.037	4
63	MP BETA2	Y	-.061	4
64	MP BETA2	X	-.035	4
65	MP BETA2	Y	-.048	4
66	MP BETA2	X	-.028	4
67	MP BETA1	Y	-.064	5.25
68	MP BETA1	Y	-.064	2.75
69	MP BETA1	X	-.037	5.25
70	MP BETA1	X	-.037	2.75
71	MP BETA1	Y	-.006	4
72	MP BETA1	X	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.079	6.083
2	MP ALPHA3	Y	-.079	1.917
3	MP ALPHA3	X	-.136	6.083
4	MP ALPHA3	X	-.136	1.917
5	MP ALPHA2	Y	-.08	6.083
6	MP ALPHA2	Y	-.08	1.917
7	MP ALPHA2	X	-.139	6.083
8	MP ALPHA2	X	-.139	1.917
9	MP ALPHA3	Y	-.035	4
10	MP ALPHA3	X	-.06	4
11	MP ALPHA2	Y	-.028	4
12	MP ALPHA2	X	-.049	4
13	MP ALPHA2	Y	-.032	4
14	MP ALPHA2	X	-.055	4
15	MP ALPHA2	Y	-.029	4
16	MP ALPHA2	X	-.051	4
17	MP ALPHA3	Y	-.029	4
18	MP ALPHA3	X	-.051	4
19	MP ALPHA1	Y	-.025	5.25
20	MP ALPHA1	Y	-.025	2.75
21	MP ALPHA1	X	-.044	5.25
22	MP ALPHA1	X	-.044	2.75
23	MP ALPHA1	Y	-.002	4
24	MP ALPHA1	X	-.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP GAMMA3	Y	-.079	6.083
26	MP GAMMA3	Y	-.079	1.917
27	MP GAMMA3	X	-.136	6.083
28	MP GAMMA3	X	-.136	1.917
29	MP GAMMA3	Y	-.035	4
30	MP GAMMA3	X	-.06	4
31	MP GAMMA3	Y	-.029	4
32	MP GAMMA3	X	-.051	4
33	MP GAMMA2	Y	-.08	6.083
34	MP GAMMA2	Y	-.08	1.917
35	MP GAMMA2	X	-.139	6.083
36	MP GAMMA2	X	-.139	1.917
37	MP GAMMA2	Y	-.028	4
38	MP GAMMA2	X	-.049	4
39	MP GAMMA2	Y	-.032	4
40	MP GAMMA2	X	-.055	4
41	MP GAMMA2	Y	-.029	4
42	MP GAMMA2	X	-.051	4
43	MP GAMMA1	Y	-.025	5.25
44	MP GAMMA1	Y	-.025	2.75
45	MP GAMMA1	X	-.044	5.25
46	MP GAMMA1	X	-.044	2.75
47	MP GAMMA1	Y	-.002	4
48	MP GAMMA1	X	-.004	4
49	MP BETA3	Y	-.079	6.083
50	MP BETA3	Y	-.079	1.917
51	MP BETA3	X	-.136	6.083
52	MP BETA3	X	-.136	1.917
53	MP BETA3	Y	-.035	4
54	MP BETA3	X	-.06	4
55	MP BETA3	Y	-.029	4
56	MP BETA3	X	-.051	4
57	MP BETA2	Y	-.08	6.083
58	MP BETA2	Y	-.08	1.917
59	MP BETA2	X	-.139	6.083
60	MP BETA2	X	-.139	1.917
61	MP BETA2	Y	-.028	4
62	MP BETA2	X	-.049	4
63	MP BETA2	Y	-.032	4
64	MP BETA2	X	-.055	4
65	MP BETA2	Y	-.029	4
66	MP BETA2	X	-.051	4
67	MP BETA1	Y	-.025	5.25
68	MP BETA1	Y	-.025	2.75
69	MP BETA1	X	-.044	5.25
70	MP BETA1	X	-.044	2.75
71	MP BETA1	Y	-.002	4
72	MP BETA1	X	-.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.111	6.083
2	MP ALPHA3	X	-.111	1.917
3	MP ALPHA2	X	-.113	6.083
4	MP ALPHA2	X	-.113	1.917
5	MP ALPHA3	X	-.063	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP ALPHA2	X	-.047	4
7	MP ALPHA2	X	-.061	4
8	MP ALPHA2	X	-.06	4
9	MP ALPHA3	X	-.06	4
10	MP ALPHA1	X	-.039	5.25
11	MP ALPHA1	X	-.039	2.75
12	MP ALPHA1	X	-.004	4
13	MP GAMMA3	X	-.111	6.083
14	MP GAMMA3	X	-.111	1.917
15	MP GAMMA3	X	-.063	4
16	MP GAMMA3	X	-.06	4
17	MP GAMMA2	X	-.113	6.083
18	MP GAMMA2	X	-.113	1.917
19	MP GAMMA2	X	-.047	4
20	MP GAMMA2	X	-.061	4
21	MP GAMMA2	X	-.06	4
22	MP GAMMA1	X	-.039	5.25
23	MP GAMMA1	X	-.039	2.75
24	MP GAMMA1	X	-.004	4
25	MP BETA3	X	-.111	6.083
26	MP BETA3	X	-.111	1.917
27	MP BETA3	X	-.063	4
28	MP BETA3	X	-.06	4
29	MP BETA2	X	-.113	6.083
30	MP BETA2	X	-.113	1.917
31	MP BETA2	X	-.047	4
32	MP BETA2	X	-.061	4
33	MP BETA2	X	-.06	4
34	MP BETA1	X	-.039	5.25
35	MP BETA1	X	-.039	2.75
36	MP BETA1	X	-.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.079	6.083
2	MP ALPHA3	Y	.079	1.917
3	MP ALPHA3	X	-.136	6.083
4	MP ALPHA3	X	-.136	1.917
5	MP ALPHA2	Y	.08	6.083
6	MP ALPHA2	Y	.08	1.917
7	MP ALPHA2	X	-.139	6.083
8	MP ALPHA2	X	-.139	1.917
9	MP ALPHA3	Y	.035	4
10	MP ALPHA3	X	-.06	4
11	MP ALPHA2	Y	.028	4
12	MP ALPHA2	X	-.049	4
13	MP ALPHA2	Y	.032	4
14	MP ALPHA2	X	-.055	4
15	MP ALPHA2	Y	.029	4
16	MP ALPHA2	X	-.051	4
17	MP ALPHA3	Y	.029	4
18	MP ALPHA3	X	-.051	4
19	MP ALPHA1	Y	.025	5.25
20	MP ALPHA1	Y	.025	2.75
21	MP ALPHA1	X	-.044	5.25
22	MP ALPHA1	X	-.044	2.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	MP ALPHA1	Y	.002	4
24	MP ALPHA1	X	-.004	4
25	MP GAMMA3	Y	.079	6.083
26	MP GAMMA3	Y	.079	1.917
27	MP GAMMA3	X	-.136	6.083
28	MP GAMMA3	X	-.136	1.917
29	MP GAMMA3	Y	.035	4
30	MP GAMMA3	X	-.06	4
31	MP GAMMA3	Y	.029	4
32	MP GAMMA3	X	-.051	4
33	MP GAMMA2	Y	.08	6.083
34	MP GAMMA2	Y	.08	1.917
35	MP GAMMA2	X	-.139	6.083
36	MP GAMMA2	X	-.139	1.917
37	MP GAMMA2	Y	.028	4
38	MP GAMMA2	X	-.049	4
39	MP GAMMA2	Y	.032	4
40	MP GAMMA2	X	-.055	4
41	MP GAMMA2	Y	.029	4
42	MP GAMMA2	X	-.051	4
43	MP GAMMA1	Y	.025	5.25
44	MP GAMMA1	Y	.025	2.75
45	MP GAMMA1	X	-.044	5.25
46	MP GAMMA1	X	-.044	2.75
47	MP GAMMA1	Y	.002	4
48	MP GAMMA1	X	-.004	4
49	MP BETA3	Y	.079	6.083
50	MP BETA3	Y	.079	1.917
51	MP BETA3	X	-.136	6.083
52	MP BETA3	X	-.136	1.917
53	MP BETA3	Y	.035	4
54	MP BETA3	X	-.06	4
55	MP BETA3	Y	.029	4
56	MP BETA3	X	-.051	4
57	MP BETA2	Y	.08	6.083
58	MP BETA2	Y	.08	1.917
59	MP BETA2	X	-.139	6.083
60	MP BETA2	X	-.139	1.917
61	MP BETA2	Y	.028	4
62	MP BETA2	X	-.049	4
63	MP BETA2	Y	.032	4
64	MP BETA2	X	-.055	4
65	MP BETA2	Y	.029	4
66	MP BETA2	X	-.051	4
67	MP BETA1	Y	.025	5.25
68	MP BETA1	Y	.025	2.75
69	MP BETA1	X	-.044	5.25
70	MP BETA1	X	-.044	2.75
71	MP BETA1	Y	.002	4
72	MP BETA1	X	-.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.217	6.083
2	MP ALPHA3	Y	.217	1.917
3	MP ALPHA3	X	-.125	6.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP ALPHA3	X	-.125	1.917
5	MP ALPHA2	Y	.222	6.083
6	MP ALPHA2	Y	.222	1.917
7	MP ALPHA2	X	-.128	6.083
8	MP ALPHA2	X	-.128	1.917
9	MP ALPHA3	Y	.071	4
10	MP ALPHA3	X	-.041	4
11	MP ALPHA2	Y	.064	4
12	MP ALPHA2	X	-.037	4
13	MP ALPHA2	Y	.061	4
14	MP ALPHA2	X	-.035	4
15	MP ALPHA2	Y	.048	4
16	MP ALPHA2	X	-.028	4
17	MP ALPHA3	Y	.048	4
18	MP ALPHA3	X	-.028	4
19	MP ALPHA1	Y	.064	5.25
20	MP ALPHA1	Y	.064	2.75
21	MP ALPHA1	X	-.037	5.25
22	MP ALPHA1	X	-.037	2.75
23	MP ALPHA1	Y	.006	4
24	MP ALPHA1	X	-.003	4
25	MP GAMMA3	Y	.217	6.083
26	MP GAMMA3	Y	.217	1.917
27	MP GAMMA3	X	-.125	6.083
28	MP GAMMA3	X	-.125	1.917
29	MP GAMMA3	Y	.071	4
30	MP GAMMA3	X	-.041	4
31	MP GAMMA3	Y	.048	4
32	MP GAMMA3	X	-.028	4
33	MP GAMMA2	Y	.222	6.083
34	MP GAMMA2	Y	.222	1.917
35	MP GAMMA2	X	-.128	6.083
36	MP GAMMA2	X	-.128	1.917
37	MP GAMMA2	Y	.064	4
38	MP GAMMA2	X	-.037	4
39	MP GAMMA2	Y	.061	4
40	MP GAMMA2	X	-.035	4
41	MP GAMMA2	Y	.048	4
42	MP GAMMA2	X	-.028	4
43	MP GAMMA1	Y	.064	5.25
44	MP GAMMA1	Y	.064	2.75
45	MP GAMMA1	X	-.037	5.25
46	MP GAMMA1	X	-.037	2.75
47	MP GAMMA1	Y	.006	4
48	MP GAMMA1	X	-.003	4
49	MP BETA3	Y	.217	6.083
50	MP BETA3	Y	.217	1.917
51	MP BETA3	X	-.125	6.083
52	MP BETA3	X	-.125	1.917
53	MP BETA3	Y	.071	4
54	MP BETA3	X	-.041	4
55	MP BETA3	Y	.048	4
56	MP BETA3	X	-.028	4
57	MP BETA2	Y	.222	6.083
58	MP BETA2	Y	.222	1.917
59	MP BETA2	X	-.128	6.083
60	MP BETA2	X	-.128	1.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
61	MP BETA2	Y	.064	4
62	MP BETA2	X	-.037	4
63	MP BETA2	Y	.061	4
64	MP BETA2	X	-.035	4
65	MP BETA2	Y	.048	4
66	MP BETA2	X	-.028	4
67	MP BETA1	Y	.064	5.25
68	MP BETA1	Y	.064	2.75
69	MP BETA1	X	-.037	5.25
70	MP BETA1	X	-.037	2.75
71	MP BETA1	Y	.006	4
72	MP BETA1	X	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.297	6.083
2	MP ALPHA3	Y	.297	1.917
3	MP ALPHA2	Y	.304	6.083
4	MP ALPHA2	Y	.304	1.917
5	MP ALPHA3	Y	.088	4
6	MP ALPHA2	Y	.082	4
7	MP ALPHA2	Y	.073	4
8	MP ALPHA2	Y	.054	4
9	MP ALPHA3	Y	.054	4
10	MP ALPHA1	Y	.085	5.25
11	MP ALPHA1	Y	.085	2.75
12	MP ALPHA1	Y	.008	4
13	MP GAMMA3	Y	.297	6.083
14	MP GAMMA3	Y	.297	1.917
15	MP GAMMA3	Y	.088	4
16	MP GAMMA3	Y	.054	4
17	MP GAMMA2	Y	.304	6.083
18	MP GAMMA2	Y	.304	1.917
19	MP GAMMA2	Y	.082	4
20	MP GAMMA2	Y	.073	4
21	MP GAMMA2	Y	.054	4
22	MP GAMMA1	Y	.085	5.25
23	MP GAMMA1	Y	.085	2.75
24	MP GAMMA1	Y	.008	4
25	MP BETA3	Y	.297	6.083
26	MP BETA3	Y	.297	1.917
27	MP BETA3	Y	.088	4
28	MP BETA3	Y	.054	4
29	MP BETA2	Y	.304	6.083
30	MP BETA2	Y	.304	1.917
31	MP BETA2	Y	.082	4
32	MP BETA2	Y	.073	4
33	MP BETA2	Y	.054	4
34	MP BETA1	Y	.085	5.25
35	MP BETA1	Y	.085	2.75
36	MP BETA1	Y	.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.217	6.083
2	MP ALPHA3	Y	.217	1.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
3	MP ALPHA3	X	.125	6.083
4	MP ALPHA3	X	.125	1.917
5	MP ALPHA2	Y	.222	6.083
6	MP ALPHA2	Y	.222	1.917
7	MP ALPHA2	X	.128	6.083
8	MP ALPHA2	X	.128	1.917
9	MP ALPHA3	Y	.071	4
10	MP ALPHA3	X	.041	4
11	MP ALPHA2	Y	.064	4
12	MP ALPHA2	X	.037	4
13	MP ALPHA2	Y	.061	4
14	MP ALPHA2	X	.035	4
15	MP ALPHA2	Y	.048	4
16	MP ALPHA2	X	.028	4
17	MP ALPHA3	Y	.048	4
18	MP ALPHA3	X	.028	4
19	MP ALPHA1	Y	.064	5.25
20	MP ALPHA1	Y	.064	2.75
21	MP ALPHA1	X	.037	5.25
22	MP ALPHA1	X	.037	2.75
23	MP ALPHA1	Y	.006	4
24	MP ALPHA1	X	.003	4
25	MP GAMMA3	Y	.217	6.083
26	MP GAMMA3	Y	.217	1.917
27	MP GAMMA3	X	.125	6.083
28	MP GAMMA3	X	.125	1.917
29	MP GAMMA3	Y	.071	4
30	MP GAMMA3	X	.041	4
31	MP GAMMA3	Y	.048	4
32	MP GAMMA3	X	.028	4
33	MP GAMMA2	Y	.222	6.083
34	MP GAMMA2	Y	.222	1.917
35	MP GAMMA2	X	.128	6.083
36	MP GAMMA2	X	.128	1.917
37	MP GAMMA2	Y	.064	4
38	MP GAMMA2	X	.037	4
39	MP GAMMA2	Y	.061	4
40	MP GAMMA2	X	.035	4
41	MP GAMMA2	Y	.048	4
42	MP GAMMA2	X	.028	4
43	MP GAMMA1	Y	.064	5.25
44	MP GAMMA1	Y	.064	2.75
45	MP GAMMA1	X	.037	5.25
46	MP GAMMA1	X	.037	2.75
47	MP GAMMA1	Y	.006	4
48	MP GAMMA1	X	.003	4
49	MP BETA3	Y	.217	6.083
50	MP BETA3	Y	.217	1.917
51	MP BETA3	X	.125	6.083
52	MP BETA3	X	.125	1.917
53	MP BETA3	Y	.071	4
54	MP BETA3	X	.041	4
55	MP BETA3	Y	.048	4
56	MP BETA3	X	.028	4
57	MP BETA2	Y	.222	6.083
58	MP BETA2	Y	.222	1.917
59	MP BETA2	X	.128	6.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP BETA2	X	.128	1.917
61	MP BETA2	Y	.064	4
62	MP BETA2	X	.037	4
63	MP BETA2	Y	.061	4
64	MP BETA2	X	.035	4
65	MP BETA2	Y	.048	4
66	MP BETA2	X	.028	4
67	MP BETA1	Y	.064	5.25
68	MP BETA1	Y	.064	2.75
69	MP BETA1	X	.037	5.25
70	MP BETA1	X	.037	2.75
71	MP BETA1	Y	.006	4
72	MP BETA1	X	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.079	6.083
2	MP ALPHA3	Y	.079	1.917
3	MP ALPHA3	X	.136	6.083
4	MP ALPHA3	X	.136	1.917
5	MP ALPHA2	Y	.08	6.083
6	MP ALPHA2	Y	.08	1.917
7	MP ALPHA2	X	.139	6.083
8	MP ALPHA2	X	.139	1.917
9	MP ALPHA3	Y	.035	4
10	MP ALPHA3	X	.06	4
11	MP ALPHA2	Y	.028	4
12	MP ALPHA2	X	.049	4
13	MP ALPHA2	Y	.032	4
14	MP ALPHA2	X	.055	4
15	MP ALPHA2	Y	.029	4
16	MP ALPHA2	X	.051	4
17	MP ALPHA3	Y	.029	4
18	MP ALPHA3	X	.051	4
19	MP ALPHA1	Y	.025	5.25
20	MP ALPHA1	Y	.025	2.75
21	MP ALPHA1	X	.044	5.25
22	MP ALPHA1	X	.044	2.75
23	MP ALPHA1	Y	.002	4
24	MP ALPHA1	X	.004	4
25	MP GAMMA3	Y	.079	6.083
26	MP GAMMA3	Y	.079	1.917
27	MP GAMMA3	X	.136	6.083
28	MP GAMMA3	X	.136	1.917
29	MP GAMMA3	Y	.035	4
30	MP GAMMA3	X	.06	4
31	MP GAMMA3	Y	.029	4
32	MP GAMMA3	X	.051	4
33	MP GAMMA2	Y	.08	6.083
34	MP GAMMA2	Y	.08	1.917
35	MP GAMMA2	X	.139	6.083
36	MP GAMMA2	X	.139	1.917
37	MP GAMMA2	Y	.028	4
38	MP GAMMA2	X	.049	4
39	MP GAMMA2	Y	.032	4
40	MP GAMMA2	X	.055	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
41	MP GAMMA2	Y	.029	4
42	MP GAMMA2	X	.051	4
43	MP GAMMA1	Y	.025	5.25
44	MP GAMMA1	Y	.025	2.75
45	MP GAMMA1	X	.044	5.25
46	MP GAMMA1	X	.044	2.75
47	MP GAMMA1	Y	.002	4
48	MP GAMMA1	X	.004	4
49	MP BETA3	Y	.079	6.083
50	MP BETA3	Y	.079	1.917
51	MP BETA3	X	.136	6.083
52	MP BETA3	X	.136	1.917
53	MP BETA3	Y	.035	4
54	MP BETA3	X	.06	4
55	MP BETA3	Y	.029	4
56	MP BETA3	X	.051	4
57	MP BETA2	Y	.08	6.083
58	MP BETA2	Y	.08	1.917
59	MP BETA2	X	.139	6.083
60	MP BETA2	X	.139	1.917
61	MP BETA2	Y	.028	4
62	MP BETA2	X	.049	4
63	MP BETA2	Y	.032	4
64	MP BETA2	X	.055	4
65	MP BETA2	Y	.029	4
66	MP BETA2	X	.051	4
67	MP BETA1	Y	.025	5.25
68	MP BETA1	Y	.025	2.75
69	MP BETA1	X	.044	5.25
70	MP BETA1	X	.044	2.75
71	MP BETA1	Y	.002	4
72	MP BETA1	X	.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	.111	6.083
2	MP ALPHA3	X	.111	1.917
3	MP ALPHA2	X	.113	6.083
4	MP ALPHA2	X	.113	1.917
5	MP ALPHA3	X	.063	4
6	MP ALPHA2	X	.047	4
7	MP ALPHA2	X	.061	4
8	MP ALPHA2	X	.06	4
9	MP ALPHA3	X	.06	4
10	MP ALPHA1	X	.039	5.25
11	MP ALPHA1	X	.039	2.75
12	MP ALPHA1	X	.004	4
13	MP GAMMA3	X	.111	6.083
14	MP GAMMA3	X	.111	1.917
15	MP GAMMA3	X	.063	4
16	MP GAMMA3	X	.06	4
17	MP GAMMA2	X	.113	6.083
18	MP GAMMA2	X	.113	1.917
19	MP GAMMA2	X	.047	4
20	MP GAMMA2	X	.061	4
21	MP GAMMA2	X	.06	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP GAMMA1	X	.039	5.25
23	MP GAMMA1	X	.039	2.75
24	MP GAMMA1	X	.004	4
25	MP BETA3	X	.111	6.083
26	MP BETA3	X	.111	1.917
27	MP BETA3	X	.063	4
28	MP BETA3	X	.06	4
29	MP BETA2	X	.113	6.083
30	MP BETA2	X	.113	1.917
31	MP BETA2	X	.047	4
32	MP BETA2	X	.061	4
33	MP BETA2	X	.06	4
34	MP BETA1	X	.039	5.25
35	MP BETA1	X	.039	2.75
36	MP BETA1	X	.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.079	6.083
2	MP ALPHA3	Y	-.079	1.917
3	MP ALPHA3	X	.136	6.083
4	MP ALPHA3	X	.136	1.917
5	MP ALPHA2	Y	-.08	6.083
6	MP ALPHA2	Y	-.08	1.917
7	MP ALPHA2	X	.139	6.083
8	MP ALPHA2	X	.139	1.917
9	MP ALPHA3	Y	-.035	4
10	MP ALPHA3	X	.06	4
11	MP ALPHA2	Y	-.028	4
12	MP ALPHA2	X	.049	4
13	MP ALPHA2	Y	-.032	4
14	MP ALPHA2	X	.055	4
15	MP ALPHA2	Y	-.029	4
16	MP ALPHA2	X	.051	4
17	MP ALPHA3	Y	-.029	4
18	MP ALPHA3	X	.051	4
19	MP ALPHA1	Y	-.025	5.25
20	MP ALPHA1	Y	-.025	2.75
21	MP ALPHA1	X	.044	5.25
22	MP ALPHA1	X	.044	2.75
23	MP ALPHA1	Y	-.002	4
24	MP ALPHA1	X	.004	4
25	MP GAMMA3	Y	-.079	6.083
26	MP GAMMA3	Y	-.079	1.917
27	MP GAMMA3	X	.136	6.083
28	MP GAMMA3	X	.136	1.917
29	MP GAMMA3	Y	-.035	4
30	MP GAMMA3	X	.06	4
31	MP GAMMA3	Y	-.029	4
32	MP GAMMA3	X	.051	4
33	MP GAMMA2	Y	-.08	6.083
34	MP GAMMA2	Y	-.08	1.917
35	MP GAMMA2	X	.139	6.083
36	MP GAMMA2	X	.139	1.917
37	MP GAMMA2	Y	-.028	4
38	MP GAMMA2	X	.049	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP GAMMA2	Y	-.032	4
40	MP GAMMA2	X	.055	4
41	MP GAMMA2	Y	-.029	4
42	MP GAMMA2	X	.051	4
43	MP GAMMA1	Y	-.025	5.25
44	MP GAMMA1	Y	-.025	2.75
45	MP GAMMA1	X	.044	5.25
46	MP GAMMA1	X	.044	2.75
47	MP GAMMA1	Y	-.002	4
48	MP GAMMA1	X	.004	4
49	MP BETA3	Y	-.079	6.083
50	MP BETA3	Y	-.079	1.917
51	MP BETA3	X	.136	6.083
52	MP BETA3	X	.136	1.917
53	MP BETA3	Y	-.035	4
54	MP BETA3	X	.06	4
55	MP BETA3	Y	-.029	4
56	MP BETA3	X	.051	4
57	MP BETA2	Y	-.08	6.083
58	MP BETA2	Y	-.08	1.917
59	MP BETA2	X	.139	6.083
60	MP BETA2	X	.139	1.917
61	MP BETA2	Y	-.028	4
62	MP BETA2	X	.049	4
63	MP BETA2	Y	-.032	4
64	MP BETA2	X	.055	4
65	MP BETA2	Y	-.029	4
66	MP BETA2	X	.051	4
67	MP BETA1	Y	-.025	5.25
68	MP BETA1	Y	-.025	2.75
69	MP BETA1	X	.044	5.25
70	MP BETA1	X	.044	2.75
71	MP BETA1	Y	-.002	4
72	MP BETA1	X	.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.217	6.083
2	MP ALPHA3	Y	-.217	1.917
3	MP ALPHA3	X	.125	6.083
4	MP ALPHA3	X	.125	1.917
5	MP ALPHA2	Y	-.222	6.083
6	MP ALPHA2	Y	-.222	1.917
7	MP ALPHA2	X	.128	6.083
8	MP ALPHA2	X	.128	1.917
9	MP ALPHA3	Y	-.071	4
10	MP ALPHA3	X	.041	4
11	MP ALPHA2	Y	-.064	4
12	MP ALPHA2	X	.037	4
13	MP ALPHA2	Y	-.061	4
14	MP ALPHA2	X	.035	4
15	MP ALPHA2	Y	-.048	4
16	MP ALPHA2	X	.028	4
17	MP ALPHA3	Y	-.048	4
18	MP ALPHA3	X	.028	4
19	MP ALPHA1	Y	-.064	5.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP ALPHA1	Y	-.064	2.75
21	MP ALPHA1	X	.037	5.25
22	MP ALPHA1	X	.037	2.75
23	MP ALPHA1	Y	-.006	4
24	MP ALPHA1	X	.003	4
25	MP GAMMA3	Y	-.217	6.083
26	MP GAMMA3	Y	-.217	1.917
27	MP GAMMA3	X	.125	6.083
28	MP GAMMA3	X	.125	1.917
29	MP GAMMA3	Y	-.071	4
30	MP GAMMA3	X	.041	4
31	MP GAMMA3	Y	-.048	4
32	MP GAMMA3	X	.028	4
33	MP GAMMA2	Y	-.222	6.083
34	MP GAMMA2	Y	-.222	1.917
35	MP GAMMA2	X	.128	6.083
36	MP GAMMA2	X	.128	1.917
37	MP GAMMA2	Y	-.064	4
38	MP GAMMA2	X	.037	4
39	MP GAMMA2	Y	-.061	4
40	MP GAMMA2	X	.035	4
41	MP GAMMA2	Y	-.048	4
42	MP GAMMA2	X	.028	4
43	MP GAMMA1	Y	-.064	5.25
44	MP GAMMA1	Y	-.064	2.75
45	MP GAMMA1	X	.037	5.25
46	MP GAMMA1	X	.037	2.75
47	MP GAMMA1	Y	-.006	4
48	MP GAMMA1	X	.003	4
49	MP BETA3	Y	-.217	6.083
50	MP BETA3	Y	-.217	1.917
51	MP BETA3	X	.125	6.083
52	MP BETA3	X	.125	1.917
53	MP BETA3	Y	-.071	4
54	MP BETA3	X	.041	4
55	MP BETA3	Y	-.048	4
56	MP BETA3	X	.028	4
57	MP BETA2	Y	-.222	6.083
58	MP BETA2	Y	-.222	1.917
59	MP BETA2	X	.128	6.083
60	MP BETA2	X	.128	1.917
61	MP BETA2	Y	-.064	4
62	MP BETA2	X	.037	4
63	MP BETA2	Y	-.061	4
64	MP BETA2	X	.035	4
65	MP BETA2	Y	-.048	4
66	MP BETA2	X	.028	4
67	MP BETA1	Y	-.064	5.25
68	MP BETA1	Y	-.064	2.75
69	MP BETA1	X	.037	5.25
70	MP BETA1	X	.037	2.75
71	MP BETA1	Y	-.006	4
72	MP BETA1	X	.003	4

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.017	6.083
2	MP ALPHA3	Y	-.017	1.917
3	MP ALPHA2	Y	-.018	6.083
4	MP ALPHA2	Y	-.018	1.917
5	MP ALPHA3	Y	-.005	4
6	MP ALPHA2	Y	-.005	4
7	MP ALPHA2	Y	-.004	4
8	MP ALPHA2	Y	-.003	4
9	MP ALPHA3	Y	-.003	4
10	MP ALPHA1	Y	-.005	5.25
11	MP ALPHA1	Y	-.005	2.75
12	MP ALPHA1	Y	-.00046	4
13	MP GAMMA3	Y	-.017	6.083
14	MP GAMMA3	Y	-.017	1.917
15	MP GAMMA3	Y	-.005	4
16	MP GAMMA3	Y	-.003	4
17	MP GAMMA2	Y	-.018	6.083
18	MP GAMMA2	Y	-.018	1.917
19	MP GAMMA2	Y	-.005	4
20	MP GAMMA2	Y	-.004	4
21	MP GAMMA2	Y	-.003	4
22	MP GAMMA1	Y	-.005	5.25
23	MP GAMMA1	Y	-.005	2.75
24	MP GAMMA1	Y	-.00046	4
25	MP BETA3	Y	-.017	6.083
26	MP BETA3	Y	-.017	1.917
27	MP BETA3	Y	-.005	4
28	MP BETA3	Y	-.003	4
29	MP BETA2	Y	-.018	6.083
30	MP BETA2	Y	-.018	1.917
31	MP BETA2	Y	-.005	4
32	MP BETA2	Y	-.004	4
33	MP BETA2	Y	-.003	4
34	MP BETA1	Y	-.005	5.25
35	MP BETA1	Y	-.005	2.75
36	MP BETA1	Y	-.00046	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.013	6.083
2	MP ALPHA3	Y	-.013	1.917
3	MP ALPHA3	X	-.007	6.083
4	MP ALPHA3	X	-.007	1.917
5	MP ALPHA2	Y	-.013	6.083
6	MP ALPHA2	Y	-.013	1.917
7	MP ALPHA2	X	-.007	6.083
8	MP ALPHA2	X	-.007	1.917
9	MP ALPHA3	Y	-.004	4
10	MP ALPHA3	X	-.002	4
11	MP ALPHA2	Y	-.004	4
12	MP ALPHA2	X	-.002	4
13	MP ALPHA2	Y	-.004	4
14	MP ALPHA2	X	-.002	4
15	MP ALPHA2	Y	-.003	4
16	MP ALPHA2	X	-.002	4
17	MP ALPHA3	Y	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP ALPHA3	X	-.002	4
19	MP ALPHA1	Y	-.004	5.25
20	MP ALPHA1	Y	-.004	2.75
21	MP ALPHA1	X	-.002	5.25
22	MP ALPHA1	X	-.002	2.75
23	MP ALPHA1	Y	-.000346	4
24	MP ALPHA1	X	-.0002	4
25	MP GAMMA3	Y	-.013	6.083
26	MP GAMMA3	Y	-.013	1.917
27	MP GAMMA3	X	-.007	6.083
28	MP GAMMA3	X	-.007	1.917
29	MP GAMMA3	Y	-.004	4
30	MP GAMMA3	X	-.002	4
31	MP GAMMA3	Y	-.003	4
32	MP GAMMA3	X	-.002	4
33	MP GAMMA2	Y	-.013	6.083
34	MP GAMMA2	Y	-.013	1.917
35	MP GAMMA2	X	-.007	6.083
36	MP GAMMA2	X	-.007	1.917
37	MP GAMMA2	Y	-.004	4
38	MP GAMMA2	X	-.002	4
39	MP GAMMA2	Y	-.004	4
40	MP GAMMA2	X	-.002	4
41	MP GAMMA2	Y	-.003	4
42	MP GAMMA2	X	-.002	4
43	MP GAMMA1	Y	-.004	5.25
44	MP GAMMA1	Y	-.004	2.75
45	MP GAMMA1	X	-.002	5.25
46	MP GAMMA1	X	-.002	2.75
47	MP GAMMA1	Y	-.000346	4
48	MP GAMMA1	X	-.0002	4
49	MP BETA3	Y	-.013	6.083
50	MP BETA3	Y	-.013	1.917
51	MP BETA3	X	-.007	6.083
52	MP BETA3	X	-.007	1.917
53	MP BETA3	Y	-.004	4
54	MP BETA3	X	-.002	4
55	MP BETA3	Y	-.003	4
56	MP BETA3	X	-.002	4
57	MP BETA2	Y	-.013	6.083
58	MP BETA2	Y	-.013	1.917
59	MP BETA2	X	-.007	6.083
60	MP BETA2	X	-.007	1.917
61	MP BETA2	Y	-.004	4
62	MP BETA2	X	-.002	4
63	MP BETA2	Y	-.004	4
64	MP BETA2	X	-.002	4
65	MP BETA2	Y	-.003	4
66	MP BETA2	X	-.002	4
67	MP BETA1	Y	-.004	5.25
68	MP BETA1	Y	-.004	2.75
69	MP BETA1	X	-.002	5.25
70	MP BETA1	X	-.002	2.75
71	MP BETA1	Y	-.000346	4
72	MP BETA1	X	-.0002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.005	6.083
2	MP ALPHA3	Y	-.005	1.917
3	MP ALPHA3	X	-.008	6.083
4	MP ALPHA3	X	-.008	1.917
5	MP ALPHA2	Y	-.005	6.083
6	MP ALPHA2	Y	-.005	1.917
7	MP ALPHA2	X	-.008	6.083
8	MP ALPHA2	X	-.008	1.917
9	MP ALPHA3	Y	-.002	4
10	MP ALPHA3	X	-.004	4
11	MP ALPHA2	Y	-.002	4
12	MP ALPHA2	X	-.003	4
13	MP ALPHA2	Y	-.002	4
14	MP ALPHA2	X	-.003	4
15	MP ALPHA2	Y	-.002	4
16	MP ALPHA2	X	-.003	4
17	MP ALPHA3	Y	-.002	4
18	MP ALPHA3	X	-.003	4
19	MP ALPHA1	Y	-.001	5.25
20	MP ALPHA1	Y	-.001	2.75
21	MP ALPHA1	X	-.003	5.25
22	MP ALPHA1	X	-.003	2.75
23	MP ALPHA1	Y	-.000139	4
24	MP ALPHA1	X	-.000241	4
25	MP GAMMA3	Y	-.005	6.083
26	MP GAMMA3	Y	-.005	1.917
27	MP GAMMA3	X	-.008	6.083
28	MP GAMMA3	X	-.008	1.917
29	MP GAMMA3	Y	-.002	4
30	MP GAMMA3	X	-.004	4
31	MP GAMMA3	Y	-.002	4
32	MP GAMMA3	X	-.003	4
33	MP GAMMA2	Y	-.005	6.083
34	MP GAMMA2	Y	-.005	1.917
35	MP GAMMA2	X	-.008	6.083
36	MP GAMMA2	X	-.008	1.917
37	MP GAMMA2	Y	-.002	4
38	MP GAMMA2	X	-.003	4
39	MP GAMMA2	Y	-.002	4
40	MP GAMMA2	X	-.003	4
41	MP GAMMA2	Y	-.002	4
42	MP GAMMA2	X	-.003	4
43	MP GAMMA1	Y	-.001	5.25
44	MP GAMMA1	Y	-.001	2.75
45	MP GAMMA1	X	-.003	5.25
46	MP GAMMA1	X	-.003	2.75
47	MP GAMMA1	Y	-.000139	4
48	MP GAMMA1	X	-.000241	4
49	MP BETA3	Y	-.005	6.083
50	MP BETA3	Y	-.005	1.917
51	MP BETA3	X	-.008	6.083
52	MP BETA3	X	-.008	1.917
53	MP BETA3	Y	-.002	4
54	MP BETA3	X	-.004	4
55	MP BETA3	Y	-.002	4
56	MP BETA3	X	-.003	4
57	MP BETA2	Y	-.005	6.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	Y	-.005	1.917
59	MP BETA2	X	-.008	6.083
60	MP BETA2	X	-.008	1.917
61	MP BETA2	Y	-.002	4
62	MP BETA2	X	-.003	4
63	MP BETA2	Y	-.002	4
64	MP BETA2	X	-.003	4
65	MP BETA2	Y	-.002	4
66	MP BETA2	X	-.003	4
67	MP BETA1	Y	-.001	5.25
68	MP BETA1	Y	-.001	2.75
69	MP BETA1	X	-.003	5.25
70	MP BETA1	X	-.003	2.75
71	MP BETA1	Y	-.000139	4
72	MP BETA1	X	-.000241	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.007	6.083
2	MP ALPHA3	X	-.007	1.917
3	MP ALPHA2	X	-.007	6.083
4	MP ALPHA2	X	-.007	1.917
5	MP ALPHA3	X	-.004	4
6	MP ALPHA2	X	-.003	4
7	MP ALPHA2	X	-.004	4
8	MP ALPHA2	X	-.004	4
9	MP ALPHA3	X	-.004	4
10	MP ALPHA1	X	-.002	5.25
11	MP ALPHA1	X	-.002	2.75
12	MP ALPHA1	X	-.000218	4
13	MP GAMMA3	X	-.007	6.083
14	MP GAMMA3	X	-.007	1.917
15	MP GAMMA3	X	-.004	4
16	MP GAMMA3	X	-.004	4
17	MP GAMMA2	X	-.007	6.083
18	MP GAMMA2	X	-.007	1.917
19	MP GAMMA2	X	-.003	4
20	MP GAMMA2	X	-.004	4
21	MP GAMMA2	X	-.004	4
22	MP GAMMA1	X	-.002	5.25
23	MP GAMMA1	X	-.002	2.75
24	MP GAMMA1	X	-.000218	4
25	MP BETA3	X	-.007	6.083
26	MP BETA3	X	-.007	1.917
27	MP BETA3	X	-.004	4
28	MP BETA3	X	-.004	4
29	MP BETA2	X	-.007	6.083
30	MP BETA2	X	-.007	1.917
31	MP BETA2	X	-.003	4
32	MP BETA2	X	-.004	4
33	MP BETA2	X	-.004	4
34	MP BETA1	X	-.002	5.25
35	MP BETA1	X	-.002	2.75
36	MP BETA1	X	-.000218	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.005	6.083
2	MP ALPHA3	Y	.005	1.917
3	MP ALPHA3	X	-.008	6.083
4	MP ALPHA3	X	-.008	1.917
5	MP ALPHA2	Y	.005	6.083
6	MP ALPHA2	Y	.005	1.917
7	MP ALPHA2	X	-.008	6.083
8	MP ALPHA2	X	-.008	1.917
9	MP ALPHA3	Y	.002	4
10	MP ALPHA3	X	-.004	4
11	MP ALPHA2	Y	.002	4
12	MP ALPHA2	X	-.003	4
13	MP ALPHA2	Y	.002	4
14	MP ALPHA2	X	-.003	4
15	MP ALPHA2	Y	.002	4
16	MP ALPHA2	X	-.003	4
17	MP ALPHA3	Y	.002	4
18	MP ALPHA3	X	-.003	4
19	MP ALPHA1	Y	.001	5.25
20	MP ALPHA1	Y	.001	2.75
21	MP ALPHA1	X	-.003	5.25
22	MP ALPHA1	X	-.003	2.75
23	MP ALPHA1	Y	.000139	4
24	MP ALPHA1	X	-.000241	4
25	MP GAMMA3	Y	.005	6.083
26	MP GAMMA3	Y	.005	1.917
27	MP GAMMA3	X	-.008	6.083
28	MP GAMMA3	X	-.008	1.917
29	MP GAMMA3	Y	.002	4
30	MP GAMMA3	X	-.004	4
31	MP GAMMA3	Y	.002	4
32	MP GAMMA3	X	-.003	4
33	MP GAMMA2	Y	.005	6.083
34	MP GAMMA2	Y	.005	1.917
35	MP GAMMA2	X	-.008	6.083
36	MP GAMMA2	X	-.008	1.917
37	MP GAMMA2	Y	.002	4
38	MP GAMMA2	X	-.003	4
39	MP GAMMA2	Y	.002	4
40	MP GAMMA2	X	-.003	4
41	MP GAMMA2	Y	.002	4
42	MP GAMMA2	X	-.003	4
43	MP GAMMA1	Y	.001	5.25
44	MP GAMMA1	Y	.001	2.75
45	MP GAMMA1	X	-.003	5.25
46	MP GAMMA1	X	-.003	2.75
47	MP GAMMA1	Y	.000139	4
48	MP GAMMA1	X	-.000241	4
49	MP BETA3	Y	.005	6.083
50	MP BETA3	Y	.005	1.917
51	MP BETA3	X	-.008	6.083
52	MP BETA3	X	-.008	1.917
53	MP BETA3	Y	.002	4
54	MP BETA3	X	-.004	4
55	MP BETA3	Y	.002	4
56	MP BETA3	X	-.003	4
57	MP BETA2	Y	.005	6.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	Y	.005	1.917
59	MP BETA2	X	-.008	6.083
60	MP BETA2	X	-.008	1.917
61	MP BETA2	Y	.002	4
62	MP BETA2	X	-.003	4
63	MP BETA2	Y	.002	4
64	MP BETA2	X	-.003	4
65	MP BETA2	Y	.002	4
66	MP BETA2	X	-.003	4
67	MP BETA1	Y	.001	5.25
68	MP BETA1	Y	.001	2.75
69	MP BETA1	X	-.003	5.25
70	MP BETA1	X	-.003	2.75
71	MP BETA1	Y	.000139	4
72	MP BETA1	X	-.000241	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.013	6.083
2	MP ALPHA3	Y	.013	1.917
3	MP ALPHA3	X	-.007	6.083
4	MP ALPHA3	X	-.007	1.917
5	MP ALPHA2	Y	.013	6.083
6	MP ALPHA2	Y	.013	1.917
7	MP ALPHA2	X	-.007	6.083
8	MP ALPHA2	X	-.007	1.917
9	MP ALPHA3	Y	.004	4
10	MP ALPHA3	X	-.002	4
11	MP ALPHA2	Y	.004	4
12	MP ALPHA2	X	-.002	4
13	MP ALPHA2	Y	.004	4
14	MP ALPHA2	X	-.002	4
15	MP ALPHA2	Y	.003	4
16	MP ALPHA2	X	-.002	4
17	MP ALPHA3	Y	.003	4
18	MP ALPHA3	X	-.002	4
19	MP ALPHA1	Y	.004	5.25
20	MP ALPHA1	Y	.004	2.75
21	MP ALPHA1	X	-.002	5.25
22	MP ALPHA1	X	-.002	2.75
23	MP ALPHA1	Y	.000346	4
24	MP ALPHA1	X	-.0002	4
25	MP GAMMA3	Y	.013	6.083
26	MP GAMMA3	Y	.013	1.917
27	MP GAMMA3	X	-.007	6.083
28	MP GAMMA3	X	-.007	1.917
29	MP GAMMA3	Y	.004	4
30	MP GAMMA3	X	-.002	4
31	MP GAMMA3	Y	.003	4
32	MP GAMMA3	X	-.002	4
33	MP GAMMA2	Y	.013	6.083
34	MP GAMMA2	Y	.013	1.917
35	MP GAMMA2	X	-.007	6.083
36	MP GAMMA2	X	-.007	1.917
37	MP GAMMA2	Y	.004	4
38	MP GAMMA2	X	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP GAMMA2	Y	.004	4
40	MP GAMMA2	X	-.002	4
41	MP GAMMA2	Y	.003	4
42	MP GAMMA2	X	-.002	4
43	MP GAMMA1	Y	.004	5.25
44	MP GAMMA1	Y	.004	2.75
45	MP GAMMA1	X	-.002	5.25
46	MP GAMMA1	X	-.002	2.75
47	MP GAMMA1	Y	.000346	4
48	MP GAMMA1	X	-.0002	4
49	MP BETA3	Y	.013	6.083
50	MP BETA3	Y	.013	1.917
51	MP BETA3	X	-.007	6.083
52	MP BETA3	X	-.007	1.917
53	MP BETA3	Y	.004	4
54	MP BETA3	X	-.002	4
55	MP BETA3	Y	.003	4
56	MP BETA3	X	-.002	4
57	MP BETA2	Y	.013	6.083
58	MP BETA2	Y	.013	1.917
59	MP BETA2	X	-.007	6.083
60	MP BETA2	X	-.007	1.917
61	MP BETA2	Y	.004	4
62	MP BETA2	X	-.002	4
63	MP BETA2	Y	.004	4
64	MP BETA2	X	-.002	4
65	MP BETA2	Y	.003	4
66	MP BETA2	X	-.002	4
67	MP BETA1	Y	.004	5.25
68	MP BETA1	Y	.004	2.75
69	MP BETA1	X	-.002	5.25
70	MP BETA1	X	-.002	2.75
71	MP BETA1	Y	.000346	4
72	MP BETA1	X	-.0002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.017	6.083
2	MP ALPHA3	Y	.017	1.917
3	MP ALPHA2	Y	.018	6.083
4	MP ALPHA2	Y	.018	1.917
5	MP ALPHA3	Y	.005	4
6	MP ALPHA2	Y	.005	4
7	MP ALPHA2	Y	.004	4
8	MP ALPHA2	Y	.003	4
9	MP ALPHA3	Y	.003	4
10	MP ALPHA1	Y	.005	5.25
11	MP ALPHA1	Y	.005	2.75
12	MP ALPHA1	Y	.00046	4
13	MP GAMMA3	Y	.017	6.083
14	MP GAMMA3	Y	.017	1.917
15	MP GAMMA3	Y	.005	4
16	MP GAMMA3	Y	.003	4
17	MP GAMMA2	Y	.018	6.083
18	MP GAMMA2	Y	.018	1.917
19	MP GAMMA2	Y	.005	4

Member Point Loads (BLC 21 : Maintanence (180)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP GAMMA2	Y	.004	4
21	MP GAMMA2	Y	.003	4
22	MP GAMMA1	Y	.005	5.25
23	MP GAMMA1	Y	.005	2.75
24	MP GAMMA1	Y	.00046	4
25	MP BETA3	Y	.017	6.083
26	MP BETA3	Y	.017	1.917
27	MP BETA3	Y	.005	4
28	MP BETA3	Y	.003	4
29	MP BETA2	Y	.018	6.083
30	MP BETA2	Y	.018	1.917
31	MP BETA2	Y	.005	4
32	MP BETA2	Y	.004	4
33	MP BETA2	Y	.003	4
34	MP BETA1	Y	.005	5.25
35	MP BETA1	Y	.005	2.75
36	MP BETA1	Y	.00046	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.013	6.083
2	MP ALPHA3	Y	.013	1.917
3	MP ALPHA3	X	.007	6.083
4	MP ALPHA3	X	.007	1.917
5	MP ALPHA2	Y	.013	6.083
6	MP ALPHA2	Y	.013	1.917
7	MP ALPHA2	X	.007	6.083
8	MP ALPHA2	X	.007	1.917
9	MP ALPHA3	Y	.004	4
10	MP ALPHA3	X	.002	4
11	MP ALPHA2	Y	.004	4
12	MP ALPHA2	X	.002	4
13	MP ALPHA2	Y	.004	4
14	MP ALPHA2	X	.002	4
15	MP ALPHA2	Y	.003	4
16	MP ALPHA2	X	.002	4
17	MP ALPHA3	Y	.003	4
18	MP ALPHA3	X	.002	4
19	MP ALPHA1	Y	.004	5.25
20	MP ALPHA1	Y	.004	2.75
21	MP ALPHA1	X	.002	5.25
22	MP ALPHA1	X	.002	2.75
23	MP ALPHA1	Y	.000346	4
24	MP ALPHA1	X	.0002	4
25	MP GAMMA3	Y	.013	6.083
26	MP GAMMA3	Y	.013	1.917
27	MP GAMMA3	X	.007	6.083
28	MP GAMMA3	X	.007	1.917
29	MP GAMMA3	Y	.004	4
30	MP GAMMA3	X	.002	4
31	MP GAMMA3	Y	.003	4
32	MP GAMMA3	X	.002	4
33	MP GAMMA2	Y	.013	6.083
34	MP GAMMA2	Y	.013	1.917
35	MP GAMMA2	X	.007	6.083
36	MP GAMMA2	X	.007	1.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP GAMMA2	Y	.004	4
38	MP GAMMA2	X	.002	4
39	MP GAMMA2	Y	.004	4
40	MP GAMMA2	X	.002	4
41	MP GAMMA2	Y	.003	4
42	MP GAMMA2	X	.002	4
43	MP GAMMA1	Y	.004	5.25
44	MP GAMMA1	Y	.004	2.75
45	MP GAMMA1	X	.002	5.25
46	MP GAMMA1	X	.002	2.75
47	MP GAMMA1	Y	.000346	4
48	MP GAMMA1	X	.0002	4
49	MP BETA3	Y	.013	6.083
50	MP BETA3	Y	.013	1.917
51	MP BETA3	X	.007	6.083
52	MP BETA3	X	.007	1.917
53	MP BETA3	Y	.004	4
54	MP BETA3	X	.002	4
55	MP BETA3	Y	.003	4
56	MP BETA3	X	.002	4
57	MP BETA2	Y	.013	6.083
58	MP BETA2	Y	.013	1.917
59	MP BETA2	X	.007	6.083
60	MP BETA2	X	.007	1.917
61	MP BETA2	Y	.004	4
62	MP BETA2	X	.002	4
63	MP BETA2	Y	.004	4
64	MP BETA2	X	.002	4
65	MP BETA2	Y	.003	4
66	MP BETA2	X	.002	4
67	MP BETA1	Y	.004	5.25
68	MP BETA1	Y	.004	2.75
69	MP BETA1	X	.002	5.25
70	MP BETA1	X	.002	2.75
71	MP BETA1	Y	.000346	4
72	MP BETA1	X	.0002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.005	6.083
2	MP ALPHA3	Y	.005	1.917
3	MP ALPHA3	X	.008	6.083
4	MP ALPHA3	X	.008	1.917
5	MP ALPHA2	Y	.005	6.083
6	MP ALPHA2	Y	.005	1.917
7	MP ALPHA2	X	.008	6.083
8	MP ALPHA2	X	.008	1.917
9	MP ALPHA3	Y	.002	4
10	MP ALPHA3	X	.004	4
11	MP ALPHA2	Y	.002	4
12	MP ALPHA2	X	.003	4
13	MP ALPHA2	Y	.002	4
14	MP ALPHA2	X	.003	4
15	MP ALPHA2	Y	.002	4
16	MP ALPHA2	X	.003	4
17	MP ALPHA3	Y	.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP ALPHA3	X	.003	4
19	MP ALPHA1	Y	.001	5.25
20	MP ALPHA1	Y	.001	2.75
21	MP ALPHA1	X	.003	5.25
22	MP ALPHA1	X	.003	2.75
23	MP ALPHA1	Y	.000139	4
24	MP ALPHA1	X	.000241	4
25	MP GAMMA3	Y	.005	6.083
26	MP GAMMA3	Y	.005	1.917
27	MP GAMMA3	X	.008	6.083
28	MP GAMMA3	X	.008	1.917
29	MP GAMMA3	Y	.002	4
30	MP GAMMA3	X	.004	4
31	MP GAMMA3	Y	.002	4
32	MP GAMMA3	X	.003	4
33	MP GAMMA2	Y	.005	6.083
34	MP GAMMA2	Y	.005	1.917
35	MP GAMMA2	X	.008	6.083
36	MP GAMMA2	X	.008	1.917
37	MP GAMMA2	Y	.002	4
38	MP GAMMA2	X	.003	4
39	MP GAMMA2	Y	.002	4
40	MP GAMMA2	X	.003	4
41	MP GAMMA2	Y	.002	4
42	MP GAMMA2	X	.003	4
43	MP GAMMA1	Y	.001	5.25
44	MP GAMMA1	Y	.001	2.75
45	MP GAMMA1	X	.003	5.25
46	MP GAMMA1	X	.003	2.75
47	MP GAMMA1	Y	.000139	4
48	MP GAMMA1	X	.000241	4
49	MP BETA3	Y	.005	6.083
50	MP BETA3	Y	.005	1.917
51	MP BETA3	X	.008	6.083
52	MP BETA3	X	.008	1.917
53	MP BETA3	Y	.002	4
54	MP BETA3	X	.004	4
55	MP BETA3	Y	.002	4
56	MP BETA3	X	.003	4
57	MP BETA2	Y	.005	6.083
58	MP BETA2	Y	.005	1.917
59	MP BETA2	X	.008	6.083
60	MP BETA2	X	.008	1.917
61	MP BETA2	Y	.002	4
62	MP BETA2	X	.003	4
63	MP BETA2	Y	.002	4
64	MP BETA2	X	.003	4
65	MP BETA2	Y	.002	4
66	MP BETA2	X	.003	4
67	MP BETA1	Y	.001	5.25
68	MP BETA1	Y	.001	2.75
69	MP BETA1	X	.003	5.25
70	MP BETA1	X	.003	2.75
71	MP BETA1	Y	.000139	4
72	MP BETA1	X	.000241	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	.007	6.083
2	MP ALPHA3	X	.007	1.917
3	MP ALPHA2	X	.007	6.083
4	MP ALPHA2	X	.007	1.917
5	MP ALPHA3	X	.004	4
6	MP ALPHA2	X	.003	4
7	MP ALPHA2	X	.004	4
8	MP ALPHA2	X	.004	4
9	MP ALPHA3	X	.004	4
10	MP ALPHA1	X	.002	5.25
11	MP ALPHA1	X	.002	2.75
12	MP ALPHA1	X	.000218	4
13	MP GAMMA3	X	.007	6.083
14	MP GAMMA3	X	.007	1.917
15	MP GAMMA3	X	.004	4
16	MP GAMMA3	X	.004	4
17	MP GAMMA2	X	.007	6.083
18	MP GAMMA2	X	.007	1.917
19	MP GAMMA2	X	.003	4
20	MP GAMMA2	X	.004	4
21	MP GAMMA2	X	.004	4
22	MP GAMMA1	X	.002	5.25
23	MP GAMMA1	X	.002	2.75
24	MP GAMMA1	X	.000218	4
25	MP BETA3	X	.007	6.083
26	MP BETA3	X	.007	1.917
27	MP BETA3	X	.004	4
28	MP BETA3	X	.004	4
29	MP BETA2	X	.007	6.083
30	MP BETA2	X	.007	1.917
31	MP BETA2	X	.003	4
32	MP BETA2	X	.004	4
33	MP BETA2	X	.004	4
34	MP BETA1	X	.002	5.25
35	MP BETA1	X	.002	2.75
36	MP BETA1	X	.000218	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.005	6.083
2	MP ALPHA3	Y	-.005	1.917
3	MP ALPHA3	X	.008	6.083
4	MP ALPHA3	X	.008	1.917
5	MP ALPHA2	Y	-.005	6.083
6	MP ALPHA2	Y	-.005	1.917
7	MP ALPHA2	X	.008	6.083
8	MP ALPHA2	X	.008	1.917
9	MP ALPHA3	Y	-.002	4
10	MP ALPHA3	X	.004	4
11	MP ALPHA2	Y	-.002	4
12	MP ALPHA2	X	.003	4
13	MP ALPHA2	Y	-.002	4
14	MP ALPHA2	X	.003	4
15	MP ALPHA2	Y	-.002	4
16	MP ALPHA2	X	.003	4
17	MP ALPHA3	Y	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP ALPHA3	X	.003	4
19	MP ALPHA1	Y	-.001	5.25
20	MP ALPHA1	Y	-.001	2.75
21	MP ALPHA1	X	.003	5.25
22	MP ALPHA1	X	.003	2.75
23	MP ALPHA1	Y	-.000139	4
24	MP ALPHA1	X	.000241	4
25	MP GAMMA3	Y	-.005	6.083
26	MP GAMMA3	Y	-.005	1.917
27	MP GAMMA3	X	.008	6.083
28	MP GAMMA3	X	.008	1.917
29	MP GAMMA3	Y	-.002	4
30	MP GAMMA3	X	.004	4
31	MP GAMMA3	Y	-.002	4
32	MP GAMMA3	X	.003	4
33	MP GAMMA2	Y	-.005	6.083
34	MP GAMMA2	Y	-.005	1.917
35	MP GAMMA2	X	.008	6.083
36	MP GAMMA2	X	.008	1.917
37	MP GAMMA2	Y	-.002	4
38	MP GAMMA2	X	.003	4
39	MP GAMMA2	Y	-.002	4
40	MP GAMMA2	X	.003	4
41	MP GAMMA2	Y	-.002	4
42	MP GAMMA2	X	.003	4
43	MP GAMMA1	Y	-.001	5.25
44	MP GAMMA1	Y	-.001	2.75
45	MP GAMMA1	X	.003	5.25
46	MP GAMMA1	X	.003	2.75
47	MP GAMMA1	Y	-.000139	4
48	MP GAMMA1	X	.000241	4
49	MP BETA3	Y	-.005	6.083
50	MP BETA3	Y	-.005	1.917
51	MP BETA3	X	.008	6.083
52	MP BETA3	X	.008	1.917
53	MP BETA3	Y	-.002	4
54	MP BETA3	X	.004	4
55	MP BETA3	Y	-.002	4
56	MP BETA3	X	.003	4
57	MP BETA2	Y	-.005	6.083
58	MP BETA2	Y	-.005	1.917
59	MP BETA2	X	.008	6.083
60	MP BETA2	X	.008	1.917
61	MP BETA2	Y	-.002	4
62	MP BETA2	X	.003	4
63	MP BETA2	Y	-.002	4
64	MP BETA2	X	.003	4
65	MP BETA2	Y	-.002	4
66	MP BETA2	X	.003	4
67	MP BETA1	Y	-.001	5.25
68	MP BETA1	Y	-.001	2.75
69	MP BETA1	X	.003	5.25
70	MP BETA1	X	.003	2.75
71	MP BETA1	Y	-.000139	4
72	MP BETA1	X	.000241	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.013	6.083
2	MP ALPHA3	Y	-.013	1.917
3	MP ALPHA3	X	.007	6.083
4	MP ALPHA3	X	.007	1.917
5	MP ALPHA2	Y	-.013	6.083
6	MP ALPHA2	Y	-.013	1.917
7	MP ALPHA2	X	.007	6.083
8	MP ALPHA2	X	.007	1.917
9	MP ALPHA3	Y	-.004	4
10	MP ALPHA3	X	.002	4
11	MP ALPHA2	Y	-.004	4
12	MP ALPHA2	X	.002	4
13	MP ALPHA2	Y	-.004	4
14	MP ALPHA2	X	.002	4
15	MP ALPHA2	Y	-.003	4
16	MP ALPHA2	X	.002	4
17	MP ALPHA3	Y	-.003	4
18	MP ALPHA3	X	.002	4
19	MP ALPHA1	Y	-.004	5.25
20	MP ALPHA1	Y	-.004	2.75
21	MP ALPHA1	X	.002	5.25
22	MP ALPHA1	X	.002	2.75
23	MP ALPHA1	Y	-.000346	4
24	MP ALPHA1	X	.0002	4
25	MP GAMMA3	Y	-.013	6.083
26	MP GAMMA3	Y	-.013	1.917
27	MP GAMMA3	X	.007	6.083
28	MP GAMMA3	X	.007	1.917
29	MP GAMMA3	Y	-.004	4
30	MP GAMMA3	X	.002	4
31	MP GAMMA3	Y	-.003	4
32	MP GAMMA3	X	.002	4
33	MP GAMMA2	Y	-.013	6.083
34	MP GAMMA2	Y	-.013	1.917
35	MP GAMMA2	X	.007	6.083
36	MP GAMMA2	X	.007	1.917
37	MP GAMMA2	Y	-.004	4
38	MP GAMMA2	X	.002	4
39	MP GAMMA2	Y	-.004	4
40	MP GAMMA2	X	.002	4
41	MP GAMMA2	Y	-.003	4
42	MP GAMMA2	X	.002	4
43	MP GAMMA1	Y	-.004	5.25
44	MP GAMMA1	Y	-.004	2.75
45	MP GAMMA1	X	.002	5.25
46	MP GAMMA1	X	.002	2.75
47	MP GAMMA1	Y	-.000346	4
48	MP GAMMA1	X	.0002	4
49	MP BETA3	Y	-.013	6.083
50	MP BETA3	Y	-.013	1.917
51	MP BETA3	X	.007	6.083
52	MP BETA3	X	.007	1.917
53	MP BETA3	Y	-.004	4
54	MP BETA3	X	.002	4
55	MP BETA3	Y	-.003	4
56	MP BETA3	X	.002	4
57	MP BETA2	Y	-.013	6.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	Y	-.013	1.917
59	MP BETA2	X	.007	6.083
60	MP BETA2	X	.007	1.917
61	MP BETA2	Y	-.004	4
62	MP BETA2	X	.002	4
63	MP BETA2	Y	-.004	4
64	MP BETA2	X	.002	4
65	MP BETA2	Y	-.003	4
66	MP BETA2	X	.002	4
67	MP BETA1	Y	-.004	5.25
68	MP BETA1	Y	-.004	2.75
69	MP BETA1	X	.002	5.25
70	MP BETA1	X	.002	2.75
71	MP BETA1	Y	-.000346	4
72	MP BETA1	X	.0002	4

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.09	6.083
2	MP ALPHA3	Z	-.09	1.917
3	MP ALPHA2	Z	-.091	6.083
4	MP ALPHA2	Z	-.091	1.917
5	MP ALPHA3	Z	-.047	4
6	MP ALPHA2	Z	-.04	4
7	MP ALPHA2	Z	-.044	4
8	MP ALPHA2	Z	-.07	4
9	MP ALPHA3	Z	-.07	4
10	MP ALPHA1	Z	-.041	5.25
11	MP ALPHA1	Z	-.041	2.75
12	MP ALPHA1	Z	-.005	4
13	MP GAMMA3	Z	-.09	6.083
14	MP GAMMA3	Z	-.09	1.917
15	MP GAMMA3	Z	-.047	4
16	MP GAMMA3	Z	-.07	4
17	MP GAMMA2	Z	-.091	6.083
18	MP GAMMA2	Z	-.091	1.917
19	MP GAMMA2	Z	-.04	4
20	MP GAMMA2	Z	-.044	4
21	MP GAMMA2	Z	-.07	4
22	MP GAMMA1	Z	-.041	5.25
23	MP GAMMA1	Z	-.041	2.75
24	MP GAMMA1	Z	-.005	4
25	MP BETA3	Z	-.09	6.083
26	MP BETA3	Z	-.09	1.917
27	MP BETA3	Z	-.047	4
28	MP BETA3	Z	-.07	4
29	MP BETA2	Z	-.091	6.083
30	MP BETA2	Z	-.091	1.917
31	MP BETA2	Z	-.04	4
32	MP BETA2	Z	-.044	4
33	MP BETA2	Z	-.07	4
34	MP BETA1	Z	-.041	5.25
35	MP BETA1	Z	-.041	2.75
36	MP BETA1	Z	-.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.05	6.083
2	MP ALPHA3	Y	-.05	1.917
3	MP ALPHA2	Y	-.051	6.083
4	MP ALPHA2	Y	-.051	1.917
5	MP ALPHA3	Y	-.011	4
6	MP ALPHA2	Y	-.01	4
7	MP ALPHA2	Y	-.009	4
8	MP ALPHA2	Y	-.016	4
9	MP ALPHA3	Y	-.016	4
10	MP ALPHA1	Y	-.016	5.25
11	MP ALPHA1	Y	-.016	2.75
12	MP ALPHA1	Y	-.002	4
13	MP GAMMA3	Y	-.05	6.083
14	MP GAMMA3	Y	-.05	1.917
15	MP GAMMA3	Y	-.011	4
16	MP GAMMA3	Y	-.016	4
17	MP GAMMA2	Y	-.051	6.083
18	MP GAMMA2	Y	-.051	1.917
19	MP GAMMA2	Y	-.01	4
20	MP GAMMA2	Y	-.009	4
21	MP GAMMA2	Y	-.016	4
22	MP GAMMA1	Y	-.016	5.25
23	MP GAMMA1	Y	-.016	2.75
24	MP GAMMA1	Y	-.002	4
25	MP BETA3	Y	-.05	6.083
26	MP BETA3	Y	-.05	1.917
27	MP BETA3	Y	-.011	4
28	MP BETA3	Y	-.016	4
29	MP BETA2	Y	-.051	6.083
30	MP BETA2	Y	-.051	1.917
31	MP BETA2	Y	-.01	4
32	MP BETA2	Y	-.009	4
33	MP BETA2	Y	-.016	4
34	MP BETA1	Y	-.016	5.25
35	MP BETA1	Y	-.016	2.75
36	MP BETA1	Y	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.037	6.083
2	MP ALPHA3	Y	-.037	1.917
3	MP ALPHA3	X	-.021	6.083
4	MP ALPHA3	X	-.021	1.917
5	MP ALPHA2	Y	-.038	6.083
6	MP ALPHA2	Y	-.038	1.917
7	MP ALPHA2	X	-.022	6.083
8	MP ALPHA2	X	-.022	1.917
9	MP ALPHA3	Y	-.009	4
10	MP ALPHA3	X	-.005	4
11	MP ALPHA2	Y	-.008	4
12	MP ALPHA2	X	-.005	4
13	MP ALPHA2	Y	-.008	4
14	MP ALPHA2	X	-.005	4
15	MP ALPHA2	Y	-.014	4
16	MP ALPHA2	X	-.008	4
17	MP ALPHA3	Y	-.014	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP ALPHA3	X	-.008	4
19	MP ALPHA1	Y	-.012	5.25
20	MP ALPHA1	Y	-.012	2.75
21	MP ALPHA1	X	-.007	5.25
22	MP ALPHA1	X	-.007	2.75
23	MP ALPHA1	Y	-.001	4
24	MP ALPHA1	X	-.000786	4
25	MP GAMMA3	Y	-.037	6.083
26	MP GAMMA3	Y	-.037	1.917
27	MP GAMMA3	X	-.021	6.083
28	MP GAMMA3	X	-.021	1.917
29	MP GAMMA3	Y	-.009	4
30	MP GAMMA3	X	-.005	4
31	MP GAMMA3	Y	-.014	4
32	MP GAMMA3	X	-.008	4
33	MP GAMMA2	Y	-.038	6.083
34	MP GAMMA2	Y	-.038	1.917
35	MP GAMMA2	X	-.022	6.083
36	MP GAMMA2	X	-.022	1.917
37	MP GAMMA2	Y	-.008	4
38	MP GAMMA2	X	-.005	4
39	MP GAMMA2	Y	-.008	4
40	MP GAMMA2	X	-.005	4
41	MP GAMMA2	Y	-.014	4
42	MP GAMMA2	X	-.008	4
43	MP GAMMA1	Y	-.012	5.25
44	MP GAMMA1	Y	-.012	2.75
45	MP GAMMA1	X	-.007	5.25
46	MP GAMMA1	X	-.007	2.75
47	MP GAMMA1	Y	-.001	4
48	MP GAMMA1	X	-.000786	4
49	MP BETA3	Y	-.037	6.083
50	MP BETA3	Y	-.037	1.917
51	MP BETA3	X	-.021	6.083
52	MP BETA3	X	-.021	1.917
53	MP BETA3	Y	-.009	4
54	MP BETA3	X	-.005	4
55	MP BETA3	Y	-.014	4
56	MP BETA3	X	-.008	4
57	MP BETA2	Y	-.038	6.083
58	MP BETA2	Y	-.038	1.917
59	MP BETA2	X	-.022	6.083
60	MP BETA2	X	-.022	1.917
61	MP BETA2	Y	-.008	4
62	MP BETA2	X	-.005	4
63	MP BETA2	Y	-.008	4
64	MP BETA2	X	-.005	4
65	MP BETA2	Y	-.014	4
66	MP BETA2	X	-.008	4
67	MP BETA1	Y	-.012	5.25
68	MP BETA1	Y	-.012	2.75
69	MP BETA1	X	-.007	5.25
70	MP BETA1	X	-.007	2.75
71	MP BETA1	Y	-.001	4
72	MP BETA1	X	-.000786	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.014	6.083
2	MP ALPHA3	Y	-.014	1.917
3	MP ALPHA3	X	-.025	6.083
4	MP ALPHA3	X	-.025	1.917
5	MP ALPHA2	Y	-.015	6.083
6	MP ALPHA2	Y	-.015	1.917
7	MP ALPHA2	X	-.025	6.083
8	MP ALPHA2	X	-.025	1.917
9	MP ALPHA3	Y	-.005	4
10	MP ALPHA3	X	-.008	4
11	MP ALPHA2	Y	-.004	4
12	MP ALPHA2	X	-.007	4
13	MP ALPHA2	Y	-.004	4
14	MP ALPHA2	X	-.007	4
15	MP ALPHA2	Y	-.008	4
16	MP ALPHA2	X	-.014	4
17	MP ALPHA3	Y	-.008	4
18	MP ALPHA3	X	-.014	4
19	MP ALPHA1	Y	-.005	5.25
20	MP ALPHA1	Y	-.005	2.75
21	MP ALPHA1	X	-.009	5.25
22	MP ALPHA1	X	-.009	2.75
23	MP ALPHA1	Y	-.000644	4
24	MP ALPHA1	X	-.001	4
25	MP GAMMA3	Y	-.014	6.083
26	MP GAMMA3	Y	-.014	1.917
27	MP GAMMA3	X	-.025	6.083
28	MP GAMMA3	X	-.025	1.917
29	MP GAMMA3	Y	-.005	4
30	MP GAMMA3	X	-.008	4
31	MP GAMMA3	Y	-.008	4
32	MP GAMMA3	X	-.014	4
33	MP GAMMA2	Y	-.015	6.083
34	MP GAMMA2	Y	-.015	1.917
35	MP GAMMA2	X	-.025	6.083
36	MP GAMMA2	X	-.025	1.917
37	MP GAMMA2	Y	-.004	4
38	MP GAMMA2	X	-.007	4
39	MP GAMMA2	Y	-.004	4
40	MP GAMMA2	X	-.007	4
41	MP GAMMA2	Y	-.008	4
42	MP GAMMA2	X	-.014	4
43	MP GAMMA1	Y	-.005	5.25
44	MP GAMMA1	Y	-.005	2.75
45	MP GAMMA1	X	-.009	5.25
46	MP GAMMA1	X	-.009	2.75
47	MP GAMMA1	Y	-.000644	4
48	MP GAMMA1	X	-.001	4
49	MP BETA3	Y	-.014	6.083
50	MP BETA3	Y	-.014	1.917
51	MP BETA3	X	-.025	6.083
52	MP BETA3	X	-.025	1.917
53	MP BETA3	Y	-.005	4
54	MP BETA3	X	-.008	4
55	MP BETA3	Y	-.008	4
56	MP BETA3	X	-.014	4
57	MP BETA2	Y	-.015	6.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	Y	-.015	1.917
59	MP BETA2	X	-.025	6.083
60	MP BETA2	X	-.025	1.917
61	MP BETA2	Y	-.004	4
62	MP BETA2	X	-.007	4
63	MP BETA2	Y	-.004	4
64	MP BETA2	X	-.007	4
65	MP BETA2	Y	-.008	4
66	MP BETA2	X	-.014	4
67	MP BETA1	Y	-.005	5.25
68	MP BETA1	Y	-.005	2.75
69	MP BETA1	X	-.009	5.25
70	MP BETA1	X	-.009	2.75
71	MP BETA1	Y	-.000644	4
72	MP BETA1	X	-.001	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.022	6.083
2	MP ALPHA3	X	-.022	1.917
3	MP ALPHA2	X	-.022	6.083
4	MP ALPHA2	X	-.022	1.917
5	MP ALPHA3	X	-.008	4
6	MP ALPHA2	X	-.007	4
7	MP ALPHA2	X	-.008	4
8	MP ALPHA2	X	-.016	4
9	MP ALPHA3	X	-.016	4
10	MP ALPHA1	X	-.009	5.25
11	MP ALPHA1	X	-.009	2.75
12	MP ALPHA1	X	-.001	4
13	MP GAMMA3	X	-.022	6.083
14	MP GAMMA3	X	-.022	1.917
15	MP GAMMA3	X	-.008	4
16	MP GAMMA3	X	-.016	4
17	MP GAMMA2	X	-.022	6.083
18	MP GAMMA2	X	-.022	1.917
19	MP GAMMA2	X	-.007	4
20	MP GAMMA2	X	-.008	4
21	MP GAMMA2	X	-.016	4
22	MP GAMMA1	X	-.009	5.25
23	MP GAMMA1	X	-.009	2.75
24	MP GAMMA1	X	-.001	4
25	MP BETA3	X	-.022	6.083
26	MP BETA3	X	-.022	1.917
27	MP BETA3	X	-.008	4
28	MP BETA3	X	-.016	4
29	MP BETA2	X	-.022	6.083
30	MP BETA2	X	-.022	1.917
31	MP BETA2	X	-.007	4
32	MP BETA2	X	-.008	4
33	MP BETA2	X	-.016	4
34	MP BETA1	X	-.009	5.25
35	MP BETA1	X	-.009	2.75
36	MP BETA1	X	-.001	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.014	6.083
2	MP ALPHA3	Y	.014	1.917
3	MP ALPHA3	X	-.025	6.083
4	MP ALPHA3	X	-.025	1.917
5	MP ALPHA2	Y	.015	6.083
6	MP ALPHA2	Y	.015	1.917
7	MP ALPHA2	X	-.025	6.083
8	MP ALPHA2	X	-.025	1.917
9	MP ALPHA3	Y	.005	4
10	MP ALPHA3	X	-.008	4
11	MP ALPHA2	Y	.004	4
12	MP ALPHA2	X	-.007	4
13	MP ALPHA2	Y	.004	4
14	MP ALPHA2	X	-.007	4
15	MP ALPHA2	Y	.008	4
16	MP ALPHA2	X	-.014	4
17	MP ALPHA3	Y	.008	4
18	MP ALPHA3	X	-.014	4
19	MP ALPHA1	Y	.005	5.25
20	MP ALPHA1	Y	.005	2.75
21	MP ALPHA1	X	-.009	5.25
22	MP ALPHA1	X	-.009	2.75
23	MP ALPHA1	Y	.000644	4
24	MP ALPHA1	X	-.001	4
25	MP GAMMA3	Y	.014	6.083
26	MP GAMMA3	Y	.014	1.917
27	MP GAMMA3	X	-.025	6.083
28	MP GAMMA3	X	-.025	1.917
29	MP GAMMA3	Y	.005	4
30	MP GAMMA3	X	-.008	4
31	MP GAMMA3	Y	.008	4
32	MP GAMMA3	X	-.014	4
33	MP GAMMA2	Y	.015	6.083
34	MP GAMMA2	Y	.015	1.917
35	MP GAMMA2	X	-.025	6.083
36	MP GAMMA2	X	-.025	1.917
37	MP GAMMA2	Y	.004	4
38	MP GAMMA2	X	-.007	4
39	MP GAMMA2	Y	.004	4
40	MP GAMMA2	X	-.007	4
41	MP GAMMA2	Y	.008	4
42	MP GAMMA2	X	-.014	4
43	MP GAMMA1	Y	.005	5.25
44	MP GAMMA1	Y	.005	2.75
45	MP GAMMA1	X	-.009	5.25
46	MP GAMMA1	X	-.009	2.75
47	MP GAMMA1	Y	.000644	4
48	MP GAMMA1	X	-.001	4
49	MP BETA3	Y	.014	6.083
50	MP BETA3	Y	.014	1.917
51	MP BETA3	X	-.025	6.083
52	MP BETA3	X	-.025	1.917
53	MP BETA3	Y	.005	4
54	MP BETA3	X	-.008	4
55	MP BETA3	Y	.008	4
56	MP BETA3	X	-.014	4
57	MP BETA2	Y	.015	6.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	Y	.015	1.917
59	MP BETA2	X	-.025	6.083
60	MP BETA2	X	-.025	1.917
61	MP BETA2	Y	.004	4
62	MP BETA2	X	-.007	4
63	MP BETA2	Y	.004	4
64	MP BETA2	X	-.007	4
65	MP BETA2	Y	.008	4
66	MP BETA2	X	-.014	4
67	MP BETA1	Y	.005	5.25
68	MP BETA1	Y	.005	2.75
69	MP BETA1	X	-.009	5.25
70	MP BETA1	X	-.009	2.75
71	MP BETA1	Y	.000644	4
72	MP BETA1	X	-.001	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.037	6.083
2	MP ALPHA3	Y	.037	1.917
3	MP ALPHA3	X	-.021	6.083
4	MP ALPHA3	X	-.021	1.917
5	MP ALPHA2	Y	.038	6.083
6	MP ALPHA2	Y	.038	1.917
7	MP ALPHA2	X	-.022	6.083
8	MP ALPHA2	X	-.022	1.917
9	MP ALPHA3	Y	.009	4
10	MP ALPHA3	X	-.005	4
11	MP ALPHA2	Y	.008	4
12	MP ALPHA2	X	-.005	4
13	MP ALPHA2	Y	.008	4
14	MP ALPHA2	X	-.005	4
15	MP ALPHA2	Y	.014	4
16	MP ALPHA2	X	-.008	4
17	MP ALPHA3	Y	.014	4
18	MP ALPHA3	X	-.008	4
19	MP ALPHA1	Y	.012	5.25
20	MP ALPHA1	Y	.012	2.75
21	MP ALPHA1	X	-.007	5.25
22	MP ALPHA1	X	-.007	2.75
23	MP ALPHA1	Y	.001	4
24	MP ALPHA1	X	-.000786	4
25	MP GAMMA3	Y	.037	6.083
26	MP GAMMA3	Y	.037	1.917
27	MP GAMMA3	X	-.021	6.083
28	MP GAMMA3	X	-.021	1.917
29	MP GAMMA3	Y	.009	4
30	MP GAMMA3	X	-.005	4
31	MP GAMMA3	Y	.014	4
32	MP GAMMA3	X	-.008	4
33	MP GAMMA2	Y	.038	6.083
34	MP GAMMA2	Y	.038	1.917
35	MP GAMMA2	X	-.022	6.083
36	MP GAMMA2	X	-.022	1.917
37	MP GAMMA2	Y	.008	4
38	MP GAMMA2	X	-.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP GAMMA2	Y	.008	4
40	MP GAMMA2	X	-.005	4
41	MP GAMMA2	Y	.014	4
42	MP GAMMA2	X	-.008	4
43	MP GAMMA1	Y	.012	5.25
44	MP GAMMA1	Y	.012	2.75
45	MP GAMMA1	X	-.007	5.25
46	MP GAMMA1	X	-.007	2.75
47	MP GAMMA1	Y	.001	4
48	MP GAMMA1	X	-.000786	4
49	MP BETA3	Y	.037	6.083
50	MP BETA3	Y	.037	1.917
51	MP BETA3	X	-.021	6.083
52	MP BETA3	X	-.021	1.917
53	MP BETA3	Y	.009	4
54	MP BETA3	X	-.005	4
55	MP BETA3	Y	.014	4
56	MP BETA3	X	-.008	4
57	MP BETA2	Y	.038	6.083
58	MP BETA2	Y	.038	1.917
59	MP BETA2	X	-.022	6.083
60	MP BETA2	X	-.022	1.917
61	MP BETA2	Y	.008	4
62	MP BETA2	X	-.005	4
63	MP BETA2	Y	.008	4
64	MP BETA2	X	-.005	4
65	MP BETA2	Y	.014	4
66	MP BETA2	X	-.008	4
67	MP BETA1	Y	.012	5.25
68	MP BETA1	Y	.012	2.75
69	MP BETA1	X	-.007	5.25
70	MP BETA1	X	-.007	2.75
71	MP BETA1	Y	.001	4
72	MP BETA1	X	-.000786	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.05	6.083
2	MP ALPHA3	Y	.05	1.917
3	MP ALPHA2	Y	.051	6.083
4	MP ALPHA2	Y	.051	1.917
5	MP ALPHA3	Y	.011	4
6	MP ALPHA2	Y	.01	4
7	MP ALPHA2	Y	.009	4
8	MP ALPHA2	Y	.016	4
9	MP ALPHA3	Y	.016	4
10	MP ALPHA1	Y	.016	5.25
11	MP ALPHA1	Y	.016	2.75
12	MP ALPHA1	Y	.002	4
13	MP GAMMA3	Y	.05	6.083
14	MP GAMMA3	Y	.05	1.917
15	MP GAMMA3	Y	.011	4
16	MP GAMMA3	Y	.016	4
17	MP GAMMA2	Y	.051	6.083
18	MP GAMMA2	Y	.051	1.917
19	MP GAMMA2	Y	.01	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP GAMMA2	Y	.009	4
21	MP GAMMA2	Y	.016	4
22	MP GAMMA1	Y	.016	5.25
23	MP GAMMA1	Y	.016	2.75
24	MP GAMMA1	Y	.002	4
25	MP BETA3	Y	.05	6.083
26	MP BETA3	Y	.05	1.917
27	MP BETA3	Y	.011	4
28	MP BETA3	Y	.016	4
29	MP BETA2	Y	.051	6.083
30	MP BETA2	Y	.051	1.917
31	MP BETA2	Y	.01	4
32	MP BETA2	Y	.009	4
33	MP BETA2	Y	.016	4
34	MP BETA1	Y	.016	5.25
35	MP BETA1	Y	.016	2.75
36	MP BETA1	Y	.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.037	6.083
2	MP ALPHA3	Y	.037	1.917
3	MP ALPHA3	X	.021	6.083
4	MP ALPHA3	X	.021	1.917
5	MP ALPHA2	Y	.038	6.083
6	MP ALPHA2	Y	.038	1.917
7	MP ALPHA2	X	.022	6.083
8	MP ALPHA2	X	.022	1.917
9	MP ALPHA3	Y	.009	4
10	MP ALPHA3	X	.005	4
11	MP ALPHA2	Y	.008	4
12	MP ALPHA2	X	.005	4
13	MP ALPHA2	Y	.008	4
14	MP ALPHA2	X	.005	4
15	MP ALPHA2	Y	.014	4
16	MP ALPHA2	X	.008	4
17	MP ALPHA3	Y	.014	4
18	MP ALPHA3	X	.008	4
19	MP ALPHA1	Y	.012	5.25
20	MP ALPHA1	Y	.012	2.75
21	MP ALPHA1	X	.007	5.25
22	MP ALPHA1	X	.007	2.75
23	MP ALPHA1	Y	.001	4
24	MP ALPHA1	X	.000786	4
25	MP GAMMA3	Y	.037	6.083
26	MP GAMMA3	Y	.037	1.917
27	MP GAMMA3	X	.021	6.083
28	MP GAMMA3	X	.021	1.917
29	MP GAMMA3	Y	.009	4
30	MP GAMMA3	X	.005	4
31	MP GAMMA3	Y	.014	4
32	MP GAMMA3	X	.008	4
33	MP GAMMA2	Y	.038	6.083
34	MP GAMMA2	Y	.038	1.917
35	MP GAMMA2	X	.022	6.083
36	MP GAMMA2	X	.022	1.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP GAMMA2	Y	.008	4
38	MP GAMMA2	X	.005	4
39	MP GAMMA2	Y	.008	4
40	MP GAMMA2	X	.005	4
41	MP GAMMA2	Y	.014	4
42	MP GAMMA2	X	.008	4
43	MP GAMMA1	Y	.012	5.25
44	MP GAMMA1	Y	.012	2.75
45	MP GAMMA1	X	.007	5.25
46	MP GAMMA1	X	.007	2.75
47	MP GAMMA1	Y	.001	4
48	MP GAMMA1	X	.000786	4
49	MP BETA3	Y	.037	6.083
50	MP BETA3	Y	.037	1.917
51	MP BETA3	X	.021	6.083
52	MP BETA3	X	.021	1.917
53	MP BETA3	Y	.009	4
54	MP BETA3	X	.005	4
55	MP BETA3	Y	.014	4
56	MP BETA3	X	.008	4
57	MP BETA2	Y	.038	6.083
58	MP BETA2	Y	.038	1.917
59	MP BETA2	X	.022	6.083
60	MP BETA2	X	.022	1.917
61	MP BETA2	Y	.008	4
62	MP BETA2	X	.005	4
63	MP BETA2	Y	.008	4
64	MP BETA2	X	.005	4
65	MP BETA2	Y	.014	4
66	MP BETA2	X	.008	4
67	MP BETA1	Y	.012	5.25
68	MP BETA1	Y	.012	2.75
69	MP BETA1	X	.007	5.25
70	MP BETA1	X	.007	2.75
71	MP BETA1	Y	.001	4
72	MP BETA1	X	.000786	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.014	6.083
2	MP ALPHA3	Y	.014	1.917
3	MP ALPHA3	X	.025	6.083
4	MP ALPHA3	X	.025	1.917
5	MP ALPHA2	Y	.015	6.083
6	MP ALPHA2	Y	.015	1.917
7	MP ALPHA2	X	.025	6.083
8	MP ALPHA2	X	.025	1.917
9	MP ALPHA3	Y	.005	4
10	MP ALPHA3	X	.008	4
11	MP ALPHA2	Y	.004	4
12	MP ALPHA2	X	.007	4
13	MP ALPHA2	Y	.004	4
14	MP ALPHA2	X	.007	4
15	MP ALPHA2	Y	.008	4
16	MP ALPHA2	X	.014	4
17	MP ALPHA3	Y	.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP ALPHA3	X	.014	4
19	MP ALPHA1	Y	.005	5.25
20	MP ALPHA1	Y	.005	2.75
21	MP ALPHA1	X	.009	5.25
22	MP ALPHA1	X	.009	2.75
23	MP ALPHA1	Y	.000644	4
24	MP ALPHA1	X	.001	4
25	MP GAMMA3	Y	.014	6.083
26	MP GAMMA3	Y	.014	1.917
27	MP GAMMA3	X	.025	6.083
28	MP GAMMA3	X	.025	1.917
29	MP GAMMA3	Y	.005	4
30	MP GAMMA3	X	.008	4
31	MP GAMMA3	Y	.008	4
32	MP GAMMA3	X	.014	4
33	MP GAMMA2	Y	.015	6.083
34	MP GAMMA2	Y	.015	1.917
35	MP GAMMA2	X	.025	6.083
36	MP GAMMA2	X	.025	1.917
37	MP GAMMA2	Y	.004	4
38	MP GAMMA2	X	.007	4
39	MP GAMMA2	Y	.004	4
40	MP GAMMA2	X	.007	4
41	MP GAMMA2	Y	.008	4
42	MP GAMMA2	X	.014	4
43	MP GAMMA1	Y	.005	5.25
44	MP GAMMA1	Y	.005	2.75
45	MP GAMMA1	X	.009	5.25
46	MP GAMMA1	X	.009	2.75
47	MP GAMMA1	Y	.000644	4
48	MP GAMMA1	X	.001	4
49	MP BETA3	Y	.014	6.083
50	MP BETA3	Y	.014	1.917
51	MP BETA3	X	.025	6.083
52	MP BETA3	X	.025	1.917
53	MP BETA3	Y	.005	4
54	MP BETA3	X	.008	4
55	MP BETA3	Y	.008	4
56	MP BETA3	X	.014	4
57	MP BETA2	Y	.015	6.083
58	MP BETA2	Y	.015	1.917
59	MP BETA2	X	.025	6.083
60	MP BETA2	X	.025	1.917
61	MP BETA2	Y	.004	4
62	MP BETA2	X	.007	4
63	MP BETA2	Y	.004	4
64	MP BETA2	X	.007	4
65	MP BETA2	Y	.008	4
66	MP BETA2	X	.014	4
67	MP BETA1	Y	.005	5.25
68	MP BETA1	Y	.005	2.75
69	MP BETA1	X	.009	5.25
70	MP BETA1	X	.009	2.75
71	MP BETA1	Y	.000644	4
72	MP BETA1	X	.001	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	.022	6.083
2	MP ALPHA3	X	.022	1.917
3	MP ALPHA2	X	.022	6.083
4	MP ALPHA2	X	.022	1.917
5	MP ALPHA3	X	.008	4
6	MP ALPHA2	X	.007	4
7	MP ALPHA2	X	.008	4
8	MP ALPHA2	X	.016	4
9	MP ALPHA3	X	.016	4
10	MP ALPHA1	X	.009	5.25
11	MP ALPHA1	X	.009	2.75
12	MP ALPHA1	X	.001	4
13	MP GAMMA3	X	.022	6.083
14	MP GAMMA3	X	.022	1.917
15	MP GAMMA3	X	.008	4
16	MP GAMMA3	X	.016	4
17	MP GAMMA2	X	.022	6.083
18	MP GAMMA2	X	.022	1.917
19	MP GAMMA2	X	.007	4
20	MP GAMMA2	X	.008	4
21	MP GAMMA2	X	.016	4
22	MP GAMMA1	X	.009	5.25
23	MP GAMMA1	X	.009	2.75
24	MP GAMMA1	X	.001	4
25	MP BETA3	X	.022	6.083
26	MP BETA3	X	.022	1.917
27	MP BETA3	X	.008	4
28	MP BETA3	X	.016	4
29	MP BETA2	X	.022	6.083
30	MP BETA2	X	.022	1.917
31	MP BETA2	X	.007	4
32	MP BETA2	X	.008	4
33	MP BETA2	X	.016	4
34	MP BETA1	X	.009	5.25
35	MP BETA1	X	.009	2.75
36	MP BETA1	X	.001	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.014	6.083
2	MP ALPHA3	Y	-.014	1.917
3	MP ALPHA3	X	.025	6.083
4	MP ALPHA3	X	.025	1.917
5	MP ALPHA2	Y	-.015	6.083
6	MP ALPHA2	Y	-.015	1.917
7	MP ALPHA2	X	.025	6.083
8	MP ALPHA2	X	.025	1.917
9	MP ALPHA3	Y	-.005	4
10	MP ALPHA3	X	.008	4
11	MP ALPHA2	Y	-.004	4
12	MP ALPHA2	X	.007	4
13	MP ALPHA2	Y	-.004	4
14	MP ALPHA2	X	.007	4
15	MP ALPHA2	Y	-.008	4
16	MP ALPHA2	X	.014	4
17	MP ALPHA3	Y	-.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP ALPHA3	X	.014	4
19	MP ALPHA1	Y	-.005	5.25
20	MP ALPHA1	Y	-.005	2.75
21	MP ALPHA1	X	.009	5.25
22	MP ALPHA1	X	.009	2.75
23	MP ALPHA1	Y	-.000644	4
24	MP ALPHA1	X	.001	4
25	MP GAMMA3	Y	-.014	6.083
26	MP GAMMA3	Y	-.014	1.917
27	MP GAMMA3	X	.025	6.083
28	MP GAMMA3	X	.025	1.917
29	MP GAMMA3	Y	-.005	4
30	MP GAMMA3	X	.008	4
31	MP GAMMA3	Y	-.008	4
32	MP GAMMA3	X	.014	4
33	MP GAMMA2	Y	-.015	6.083
34	MP GAMMA2	Y	-.015	1.917
35	MP GAMMA2	X	.025	6.083
36	MP GAMMA2	X	.025	1.917
37	MP GAMMA2	Y	-.004	4
38	MP GAMMA2	X	.007	4
39	MP GAMMA2	Y	-.004	4
40	MP GAMMA2	X	.007	4
41	MP GAMMA2	Y	-.008	4
42	MP GAMMA2	X	.014	4
43	MP GAMMA1	Y	-.005	5.25
44	MP GAMMA1	Y	-.005	2.75
45	MP GAMMA1	X	.009	5.25
46	MP GAMMA1	X	.009	2.75
47	MP GAMMA1	Y	-.000644	4
48	MP GAMMA1	X	.001	4
49	MP BETA3	Y	-.014	6.083
50	MP BETA3	Y	-.014	1.917
51	MP BETA3	X	.025	6.083
52	MP BETA3	X	.025	1.917
53	MP BETA3	Y	-.005	4
54	MP BETA3	X	.008	4
55	MP BETA3	Y	-.008	4
56	MP BETA3	X	.014	4
57	MP BETA2	Y	-.015	6.083
58	MP BETA2	Y	-.015	1.917
59	MP BETA2	X	.025	6.083
60	MP BETA2	X	.025	1.917
61	MP BETA2	Y	-.004	4
62	MP BETA2	X	.007	4
63	MP BETA2	Y	-.004	4
64	MP BETA2	X	.007	4
65	MP BETA2	Y	-.008	4
66	MP BETA2	X	.014	4
67	MP BETA1	Y	-.005	5.25
68	MP BETA1	Y	-.005	2.75
69	MP BETA1	X	.009	5.25
70	MP BETA1	X	.009	2.75
71	MP BETA1	Y	-.000644	4
72	MP BETA1	X	.001	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.037	6.083
2	MP ALPHA3	Y	-.037	1.917
3	MP ALPHA3	X	.021	6.083
4	MP ALPHA3	X	.021	1.917
5	MP ALPHA2	Y	-.038	6.083
6	MP ALPHA2	Y	-.038	1.917
7	MP ALPHA2	X	.022	6.083
8	MP ALPHA2	X	.022	1.917
9	MP ALPHA3	Y	-.009	4
10	MP ALPHA3	X	.005	4
11	MP ALPHA2	Y	-.008	4
12	MP ALPHA2	X	.005	4
13	MP ALPHA2	Y	-.008	4
14	MP ALPHA2	X	.005	4
15	MP ALPHA2	Y	-.014	4
16	MP ALPHA2	X	.008	4
17	MP ALPHA3	Y	-.014	4
18	MP ALPHA3	X	.008	4
19	MP ALPHA1	Y	-.012	5.25
20	MP ALPHA1	Y	-.012	2.75
21	MP ALPHA1	X	.007	5.25
22	MP ALPHA1	X	.007	2.75
23	MP ALPHA1	Y	-.001	4
24	MP ALPHA1	X	.000786	4
25	MP GAMMA3	Y	-.037	6.083
26	MP GAMMA3	Y	-.037	1.917
27	MP GAMMA3	X	.021	6.083
28	MP GAMMA3	X	.021	1.917
29	MP GAMMA3	Y	-.009	4
30	MP GAMMA3	X	.005	4
31	MP GAMMA3	Y	-.014	4
32	MP GAMMA3	X	.008	4
33	MP GAMMA2	Y	-.038	6.083
34	MP GAMMA2	Y	-.038	1.917
35	MP GAMMA2	X	.022	6.083
36	MP GAMMA2	X	.022	1.917
37	MP GAMMA2	Y	-.008	4
38	MP GAMMA2	X	.005	4
39	MP GAMMA2	Y	-.008	4
40	MP GAMMA2	X	.005	4
41	MP GAMMA2	Y	-.014	4
42	MP GAMMA2	X	.008	4
43	MP GAMMA1	Y	-.012	5.25
44	MP GAMMA1	Y	-.012	2.75
45	MP GAMMA1	X	.007	5.25
46	MP GAMMA1	X	.007	2.75
47	MP GAMMA1	Y	-.001	4
48	MP GAMMA1	X	.000786	4
49	MP BETA3	Y	-.037	6.083
50	MP BETA3	Y	-.037	1.917
51	MP BETA3	X	.021	6.083
52	MP BETA3	X	.021	1.917
53	MP BETA3	Y	-.009	4
54	MP BETA3	X	.005	4
55	MP BETA3	Y	-.014	4
56	MP BETA3	X	.008	4
57	MP BETA2	Y	-.038	6.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	Y	-.038	1.917
59	MP BETA2	X	.022	6.083
60	MP BETA2	X	.022	1.917
61	MP BETA2	Y	-.008	4
62	MP BETA2	X	.005	4
63	MP BETA2	Y	-.008	4
64	MP BETA2	X	.005	4
65	MP BETA2	Y	-.014	4
66	MP BETA2	X	.008	4
67	MP BETA1	Y	-.012	5.25
68	MP BETA1	Y	-.012	2.75
69	MP BETA1	X	.007	5.25
70	MP BETA1	X	.007	2.75
71	MP BETA1	Y	-.001	4
72	MP BETA1	X	.000786	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.005	6.083
2	MP ALPHA3	X	-.005	1.917
3	MP ALPHA2	X	-.003	6.083
4	MP ALPHA2	X	-.003	1.917
5	MP ALPHA3	X	-.008	4
6	MP ALPHA2	X	-.007	4
7	MP ALPHA2	X	-.008	4
8	MP ALPHA2	X	-.004	4
9	MP ALPHA3	X	-.004	4
10	MP ALPHA1	X	-.002	5.25
11	MP ALPHA1	X	-.002	2.75
12	MP ALPHA1	X	-.00022	4
13	MP GAMMA3	X	-.005	6.083
14	MP GAMMA3	X	-.005	1.917
15	MP GAMMA3	X	-.008	4
16	MP GAMMA3	X	-.004	4
17	MP GAMMA2	X	-.003	6.083
18	MP GAMMA2	X	-.003	1.917
19	MP GAMMA2	X	-.007	4
20	MP GAMMA2	X	-.008	4
21	MP GAMMA2	X	-.004	4
22	MP GAMMA1	X	-.002	5.25
23	MP GAMMA1	X	-.002	2.75
24	MP GAMMA1	X	-.00022	4
25	MP BETA3	X	-.005	6.083
26	MP BETA3	X	-.005	1.917
27	MP BETA3	X	-.008	4
28	MP BETA3	X	-.004	4
29	MP BETA2	X	-.003	6.083
30	MP BETA2	X	-.003	1.917
31	MP BETA2	X	-.007	4
32	MP BETA2	X	-.008	4
33	MP BETA2	X	-.004	4
34	MP BETA1	X	-.002	5.25
35	MP BETA1	X	-.002	2.75
36	MP BETA1	X	-.00022	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.005	6.083
2	MP ALPHA3	Y	-.005	1.917
3	MP ALPHA2	Y	-.003	6.083
4	MP ALPHA2	Y	-.003	1.917
5	MP ALPHA3	Y	-.008	4
6	MP ALPHA2	Y	-.007	4
7	MP ALPHA2	Y	-.008	4
8	MP ALPHA2	Y	-.004	4
9	MP ALPHA3	Y	-.004	4
10	MP ALPHA1	Y	-.002	5.25
11	MP ALPHA1	Y	-.002	2.75
12	MP ALPHA1	Y	-.00022	4
13	MP GAMMA3	Y	-.005	6.083
14	MP GAMMA3	Y	-.005	1.917
15	MP GAMMA3	Y	-.008	4
16	MP GAMMA3	Y	-.004	4
17	MP GAMMA2	Y	-.003	6.083
18	MP GAMMA2	Y	-.003	1.917
19	MP GAMMA2	Y	-.007	4
20	MP GAMMA2	Y	-.008	4
21	MP GAMMA2	Y	-.004	4
22	MP GAMMA1	Y	-.002	5.25
23	MP GAMMA1	Y	-.002	2.75
24	MP GAMMA1	Y	-.00022	4
25	MP BETA3	Y	-.005	6.083
26	MP BETA3	Y	-.005	1.917
27	MP BETA3	Y	-.008	4
28	MP BETA3	Y	-.004	4
29	MP BETA2	Y	-.003	6.083
30	MP BETA2	Y	-.003	1.917
31	MP BETA2	Y	-.007	4
32	MP BETA2	Y	-.008	4
33	MP BETA2	Y	-.004	4
34	MP BETA1	Y	-.002	5.25
35	MP BETA1	Y	-.002	2.75
36	MP BETA1	Y	-.00022	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.002	6.083
2	MP ALPHA3	Z	-.002	1.917
3	MP ALPHA2	Z	-.001	6.083
4	MP ALPHA2	Z	-.001	1.917
5	MP ALPHA3	Z	-.003	4
6	MP ALPHA2	Z	-.003	4
7	MP ALPHA2	Z	-.003	4
8	MP ALPHA2	Z	-.001	4
9	MP ALPHA3	Z	-.001	4
10	MP ALPHA1	Z	-.000769	5.25
11	MP ALPHA1	Z	-.000769	2.75
12	MP ALPHA1	Z	-8.8e-5	4
13	MP GAMMA3	Z	-.002	6.083
14	MP GAMMA3	Z	-.002	1.917
15	MP GAMMA3	Z	-.003	4
16	MP GAMMA3	Z	-.001	4
17	MP GAMMA2	Z	-.001	6.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP GAMMA2	Z	-.001	1.917
19	MP GAMMA2	Z	-.003	4
20	MP GAMMA2	Z	-.003	4
21	MP GAMMA2	Z	-.001	4
22	MP GAMMA1	Z	-.000769	5.25
23	MP GAMMA1	Z	-.000769	2.75
24	MP GAMMA1	Z	-8.8e-5	4
25	MP BETA3	Z	-.002	6.083
26	MP BETA3	Z	-.002	1.917
27	MP BETA3	Z	-.003	4
28	MP BETA3	Z	-.001	4
29	MP BETA2	Z	-.001	6.083
30	MP BETA2	Z	-.001	1.917
31	MP BETA2	Z	-.003	4
32	MP BETA2	Z	-.003	4
33	MP BETA2	Z	-.001	4
34	MP BETA1	Z	-.000769	5.25
35	MP BETA1	Z	-.000769	2.75
36	MP BETA1	Z	-8.8e-5	4

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	SUPPORT6	PY	-.01	-.01	0	0
2	SUPPORT5	PY	-.01	-.01	0	0
3	SUPPORT4	PY	-.01	-.01	0	0
4	SUPPORT3	PY	-.01	-.01	0	0
5	SUPPORT2	PY	-.01	-.01	0	0
6	SUPPORT1	PY	-.01	-.01	0	0
7	SO3	PY	-.012	-.012	0	0
8	SO2	PY	-.012	-.012	0	0
9	SO1	PY	-.012	-.012	0	0
10	SM PL6	PY	-.002	-.002	0	0
11	SM PL5	PY	-.002	-.002	0	0
12	SM PL4	PY	-.002	-.002	0	0
13	SM PL3	PY	-.002	-.002	0	0
14	SM PL2	PY	-.002	-.002	0	0
15	SM PL1	PY	-.002	-.002	0	0
16	MP ALPHA3	PY	-.011	-.011	0	0
17	MP ALPHA2	PY	-.011	-.011	0	0
18	FACE3	PY	-.01	-.01	0	0
19	FACE2	PY	-.01	-.01	0	0
20	FACE1	PY	-.01	-.01	0	0
21	CROSSARM6	PY	-.012	-.012	0	0
22	CROSSARM5	PY	-.012	-.012	0	0
23	CROSSARM4	PY	-.012	-.012	0	0
24	CROSSARM3	PY	-.012	-.012	0	0
25	CROSSARM2	PY	-.012	-.012	0	0
26	CROSSARM1	PY	-.012	-.012	0	0
27	CORN3	PY	-.002	-.002	0	0
28	CORN2	PY	-.002	-.002	0	0
29	CORN1	PY	-.002	-.002	0	0
30	C PL6	PY	-.002	-.002	0	0
31	C PL5	PY	-.002	-.002	0	0
32	C PL4	PY	-.002	-.002	0	0
33	C PL3	PY	-.002	-.002	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,%]
34	C PL2	PY	-.002	-.002	0	0
35	C PL1	PY	-.002	-.002	0	0
36	MP ALPHA1	PY	-.011	-.011	0	0
37	MP GAMMA3	PY	-.011	-.011	0	0
38	MP GAMMA2	PY	-.011	-.011	0	0
39	MP GAMMA1	PY	-.011	-.011	0	0
40	MP BETA3	PY	-.011	-.011	0	0
41	MP BETA2	PY	-.011	-.011	0	0
42	MP BETA1	PY	-.011	-.011	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	SUPPORT6	PY	-.009	-.009	0	0
2	SUPPORT5	PY	-.009	-.009	0	0
3	SUPPORT4	PY	-.009	-.009	0	0
4	SUPPORT3	PY	-.009	-.009	0	0
5	SUPPORT2	PY	-.009	-.009	0	0
6	SUPPORT1	PY	-.009	-.009	0	0
7	SO3	PY	-.011	-.011	0	0
8	SO2	PY	-.011	-.011	0	0
9	SO1	PY	-.011	-.011	0	0
10	SM PL6	PY	-.002	-.002	0	0
11	SM PL5	PY	-.002	-.002	0	0
12	SM PL4	PY	-.002	-.002	0	0
13	SM PL3	PY	-.002	-.002	0	0
14	SM PL2	PY	-.002	-.002	0	0
15	SM PL1	PY	-.002	-.002	0	0
16	MP ALPHA3	PY	-.009	-.009	0	0
17	MP ALPHA2	PY	-.009	-.009	0	0
18	FACE3	PY	-.009	-.009	0	0
19	FACE2	PY	-.009	-.009	0	0
20	FACE1	PY	-.009	-.009	0	0
21	CROSSARM6	PY	-.011	-.011	0	0
22	CROSSARM5	PY	-.011	-.011	0	0
23	CROSSARM4	PY	-.011	-.011	0	0
24	CROSSARM3	PY	-.011	-.011	0	0
25	CROSSARM2	PY	-.011	-.011	0	0
26	CROSSARM1	PY	-.011	-.011	0	0
27	CORN3	PY	-.002	-.002	0	0
28	CORN2	PY	-.002	-.002	0	0
29	CORN1	PY	-.002	-.002	0	0
30	C PL6	PY	-.002	-.002	0	0
31	C PL5	PY	-.002	-.002	0	0
32	C PL4	PY	-.002	-.002	0	0
33	C PL3	PY	-.002	-.002	0	0
34	C PL2	PY	-.002	-.002	0	0
35	C PL1	PY	-.002	-.002	0	0
36	SUPPORT6	PX	-.005	-.005	0	0
37	SUPPORT5	PX	-.005	-.005	0	0
38	SUPPORT4	PX	-.005	-.005	0	0
39	SUPPORT3	PX	-.005	-.005	0	0
40	SUPPORT2	PX	-.005	-.005	0	0
41	SUPPORT1	PX	-.005	-.005	0	0
42	SO3	PX	-.006	-.006	0	0
43	SO2	PX	-.006	-.006	0	0
44	SO1	PX	-.006	-.006	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,%]
45	SM PL6	PX	-.000937	-.000937	0	0
46	SM PL5	PX	-.000937	-.000937	0	0
47	SM PL4	PX	-.000937	-.000937	0	0
48	SM PL3	PX	-.000937	-.000937	0	0
49	SM PL2	PX	-.000937	-.000937	0	0
50	SM PL1	PX	-.000937	-.000937	0	0
51	MP ALPHA3	PX	-.005	-.005	0	0
52	MP ALPHA2	PX	-.005	-.005	0	0
53	FACE3	PX	-.005	-.005	0	0
54	FACE2	PX	-.005	-.005	0	0
55	FACE1	PX	-.005	-.005	0	0
56	CROSSARM6	PX	-.006	-.006	0	0
57	CROSSARM5	PX	-.006	-.006	0	0
58	CROSSARM4	PX	-.006	-.006	0	0
59	CROSSARM3	PX	-.006	-.006	0	0
60	CROSSARM2	PX	-.006	-.006	0	0
61	CROSSARM1	PX	-.006	-.006	0	0
62	CORN3	PX	-.000937	-.000937	0	0
63	CORN2	PX	-.000937	-.000937	0	0
64	CORN1	PX	-.000937	-.000937	0	0
65	C PL6	PX	-.000937	-.000937	0	0
66	C PL5	PX	-.000937	-.000937	0	0
67	C PL4	PX	-.000937	-.000937	0	0
68	C PL3	PX	-.000937	-.000937	0	0
69	C PL2	PX	-.000937	-.000937	0	0
70	C PL1	PX	-.000937	-.000937	0	0
71	MP ALPHA1	PY	-.009	-.009	0	0
72	MP ALPHA1	PX	-.005	-.005	0	0
73	MP GAMMA3	PY	-.009	-.009	0	0
74	MP GAMMA3	PX	-.005	-.005	0	0
75	MP GAMMA2	PY	-.009	-.009	0	0
76	MP GAMMA2	PX	-.005	-.005	0	0
77	MP GAMMA1	PY	-.009	-.009	0	0
78	MP GAMMA1	PX	-.005	-.005	0	0
79	MP BETA3	PY	-.009	-.009	0	0
80	MP BETA3	PX	-.005	-.005	0	0
81	MP BETA2	PY	-.009	-.009	0	0
82	MP BETA2	PX	-.005	-.005	0	0
83	MP BETA1	PY	-.009	-.009	0	0
84	MP BETA1	PX	-.005	-.005	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	SUPPORT6	PY	-.005	-.005	0	0
2	SUPPORT5	PY	-.005	-.005	0	0
3	SUPPORT4	PY	-.005	-.005	0	0
4	SUPPORT3	PY	-.005	-.005	0	0
5	SUPPORT2	PY	-.005	-.005	0	0
6	SUPPORT1	PY	-.005	-.005	0	0
7	SO3	PY	-.006	-.006	0	0
8	SO2	PY	-.006	-.006	0	0
9	SO1	PY	-.006	-.006	0	0
10	SM PL6	PY	-.000937	-.000937	0	0
11	SM PL5	PY	-.000937	-.000937	0	0
12	SM PL4	PY	-.000937	-.000937	0	0
13	SM PL3	PY	-.000937	-.000937	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,%]
14	SM PL2	PY	-.000937	-.000937	0	0
15	SM PL1	PY	-.000937	-.000937	0	0
16	MP ALPHA3	PY	-.005	-.005	0	0
17	MP ALPHA2	PY	-.005	-.005	0	0
18	FACE3	PY	-.005	-.005	0	0
19	FACE2	PY	-.005	-.005	0	0
20	FACE1	PY	-.005	-.005	0	0
21	CROSSARM6	PY	-.006	-.006	0	0
22	CROSSARM5	PY	-.006	-.006	0	0
23	CROSSARM4	PY	-.006	-.006	0	0
24	CROSSARM3	PY	-.006	-.006	0	0
25	CROSSARM2	PY	-.006	-.006	0	0
26	CROSSARM1	PY	-.006	-.006	0	0
27	CORN3	PY	-.000937	-.000937	0	0
28	CORN2	PY	-.000937	-.000937	0	0
29	CORN1	PY	-.000937	-.000937	0	0
30	C PL6	PY	-.000937	-.000937	0	0
31	C PL5	PY	-.000937	-.000937	0	0
32	C PL4	PY	-.000937	-.000937	0	0
33	C PL3	PY	-.000937	-.000937	0	0
34	C PL2	PY	-.000937	-.000937	0	0
35	C PL1	PY	-.000937	-.000937	0	0
36	SUPPORT6	PX	-.009	-.009	0	0
37	SUPPORT5	PX	-.009	-.009	0	0
38	SUPPORT4	PX	-.009	-.009	0	0
39	SUPPORT3	PX	-.009	-.009	0	0
40	SUPPORT2	PX	-.009	-.009	0	0
41	SUPPORT1	PX	-.009	-.009	0	0
42	SO3	PX	-.011	-.011	0	0
43	SO2	PX	-.011	-.011	0	0
44	SO1	PX	-.011	-.011	0	0
45	SM PL6	PX	-.002	-.002	0	0
46	SM PL5	PX	-.002	-.002	0	0
47	SM PL4	PX	-.002	-.002	0	0
48	SM PL3	PX	-.002	-.002	0	0
49	SM PL2	PX	-.002	-.002	0	0
50	SM PL1	PX	-.002	-.002	0	0
51	MP ALPHA3	PX	-.009	-.009	0	0
52	MP ALPHA2	PX	-.009	-.009	0	0
53	FACE3	PX	-.009	-.009	0	0
54	FACE2	PX	-.009	-.009	0	0
55	FACE1	PX	-.009	-.009	0	0
56	CROSSARM6	PX	-.011	-.011	0	0
57	CROSSARM5	PX	-.011	-.011	0	0
58	CROSSARM4	PX	-.011	-.011	0	0
59	CROSSARM3	PX	-.011	-.011	0	0
60	CROSSARM2	PX	-.011	-.011	0	0
61	CROSSARM1	PX	-.011	-.011	0	0
62	CORN3	PX	-.002	-.002	0	0
63	CORN2	PX	-.002	-.002	0	0
64	CORN1	PX	-.002	-.002	0	0
65	C PL6	PX	-.002	-.002	0	0
66	C PL5	PX	-.002	-.002	0	0
67	C PL4	PX	-.002	-.002	0	0
68	C PL3	PX	-.002	-.002	0	0
69	C PL2	PX	-.002	-.002	0	0
70	C PL1	PX	-.002	-.002	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,%]
71	MP ALPHA1	PY	-.005	-.005	0	0
72	MP ALPHA1	PX	-.009	-.009	0	0
73	MP GAMMA3	PY	-.005	-.005	0	0
74	MP GAMMA3	PX	-.009	-.009	0	0
75	MP GAMMA2	PY	-.005	-.005	0	0
76	MP GAMMA2	PX	-.009	-.009	0	0
77	MP GAMMA1	PY	-.005	-.005	0	0
78	MP GAMMA1	PX	-.009	-.009	0	0
79	MP BETA3	PY	-.005	-.005	0	0
80	MP BETA3	PX	-.009	-.009	0	0
81	MP BETA2	PY	-.005	-.005	0	0
82	MP BETA2	PX	-.009	-.009	0	0
83	MP BETA1	PY	-.005	-.005	0	0
84	MP BETA1	PX	-.009	-.009	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	SUPPORT6	PX	-.01	-.01	0	0
2	SUPPORT5	PX	-.01	-.01	0	0
3	SUPPORT4	PX	-.01	-.01	0	0
4	SUPPORT3	PX	-.01	-.01	0	0
5	SUPPORT2	PX	-.01	-.01	0	0
6	SUPPORT1	PX	-.01	-.01	0	0
7	SO3	PX	-.012	-.012	0	0
8	SO2	PX	-.012	-.012	0	0
9	SO1	PX	-.012	-.012	0	0
10	SM PL6	PX	-.002	-.002	0	0
11	SM PL5	PX	-.002	-.002	0	0
12	SM PL4	PX	-.002	-.002	0	0
13	SM PL3	PX	-.002	-.002	0	0
14	SM PL2	PX	-.002	-.002	0	0
15	SM PL1	PX	-.002	-.002	0	0
16	MP ALPHA3	PX	-.011	-.011	0	0
17	MP ALPHA2	PX	-.011	-.011	0	0
18	FACE3	PX	-.01	-.01	0	0
19	FACE2	PX	-.01	-.01	0	0
20	FACE1	PX	-.01	-.01	0	0
21	CROSSARM6	PX	-.012	-.012	0	0
22	CROSSARM5	PX	-.012	-.012	0	0
23	CROSSARM4	PX	-.012	-.012	0	0
24	CROSSARM3	PX	-.012	-.012	0	0
25	CROSSARM2	PX	-.012	-.012	0	0
26	CROSSARM1	PX	-.012	-.012	0	0
27	CORN3	PX	-.002	-.002	0	0
28	CORN2	PX	-.002	-.002	0	0
29	CORN1	PX	-.002	-.002	0	0
30	C PL6	PX	-.002	-.002	0	0
31	C PL5	PX	-.002	-.002	0	0
32	C PL4	PX	-.002	-.002	0	0
33	C PL3	PX	-.002	-.002	0	0
34	C PL2	PX	-.002	-.002	0	0
35	C PL1	PX	-.002	-.002	0	0
36	MP ALPHA1	PX	-.011	-.011	0	0
37	MP GAMMA3	PX	-.011	-.011	0	0
38	MP GAMMA2	PX	-.011	-.011	0	0
39	MP GAMMA1	PX	-.011	-.011	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,%]
40	MP BETA3	PX	-.011	-.011	0	0
41	MP BETA2	PX	-.011	-.011	0	0
42	MP BETA1	PX	-.011	-.011	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	SUPPORT6	PY	.005	.005	0	0
2	SUPPORT5	PY	.005	.005	0	0
3	SUPPORT4	PY	.005	.005	0	0
4	SUPPORT3	PY	.005	.005	0	0
5	SUPPORT2	PY	.005	.005	0	0
6	SUPPORT1	PY	.005	.005	0	0
7	SO3	PY	.006	.006	0	0
8	SO2	PY	.006	.006	0	0
9	SO1	PY	.006	.006	0	0
10	SM PL6	PY	.000937	.000937	0	0
11	SM PL5	PY	.000937	.000937	0	0
12	SM PL4	PY	.000937	.000937	0	0
13	SM PL3	PY	.000937	.000937	0	0
14	SM PL2	PY	.000937	.000937	0	0
15	SM PL1	PY	.000937	.000937	0	0
16	MP ALPHA3	PY	.005	.005	0	0
17	MP ALPHA2	PY	.005	.005	0	0
18	FACE3	PY	.005	.005	0	0
19	FACE2	PY	.005	.005	0	0
20	FACE1	PY	.005	.005	0	0
21	CROSSARM6	PY	.006	.006	0	0
22	CROSSARM5	PY	.006	.006	0	0
23	CROSSARM4	PY	.006	.006	0	0
24	CROSSARM3	PY	.006	.006	0	0
25	CROSSARM2	PY	.006	.006	0	0
26	CROSSARM1	PY	.006	.006	0	0
27	CORN3	PY	.000937	.000937	0	0
28	CORN2	PY	.000937	.000937	0	0
29	CORN1	PY	.000937	.000937	0	0
30	C PL6	PY	.000937	.000937	0	0
31	C PL5	PY	.000937	.000937	0	0
32	C PL4	PY	.000937	.000937	0	0
33	C PL3	PY	.000937	.000937	0	0
34	C PL2	PY	.000937	.000937	0	0
35	C PL1	PY	.000937	.000937	0	0
36	SUPPORT6	PX	-.009	-.009	0	0
37	SUPPORT5	PX	-.009	-.009	0	0
38	SUPPORT4	PX	-.009	-.009	0	0
39	SUPPORT3	PX	-.009	-.009	0	0
40	SUPPORT2	PX	-.009	-.009	0	0
41	SUPPORT1	PX	-.009	-.009	0	0
42	SO3	PX	-.011	-.011	0	0
43	SO2	PX	-.011	-.011	0	0
44	SO1	PX	-.011	-.011	0	0
45	SM PL6	PX	-.002	-.002	0	0
46	SM PL5	PX	-.002	-.002	0	0
47	SM PL4	PX	-.002	-.002	0	0
48	SM PL3	PX	-.002	-.002	0	0
49	SM PL2	PX	-.002	-.002	0	0
50	SM PL1	PX	-.002	-.002	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,%]
51	MP ALPHA3	PX	-.009	-.009	0	0
52	MP ALPHA2	PX	-.009	-.009	0	0
53	FACE3	PX	-.009	-.009	0	0
54	FACE2	PX	-.009	-.009	0	0
55	FACE1	PX	-.009	-.009	0	0
56	CROSSARM6	PX	-.011	-.011	0	0
57	CROSSARM5	PX	-.011	-.011	0	0
58	CROSSARM4	PX	-.011	-.011	0	0
59	CROSSARM3	PX	-.011	-.011	0	0
60	CROSSARM2	PX	-.011	-.011	0	0
61	CROSSARM1	PX	-.011	-.011	0	0
62	CORN3	PX	-.002	-.002	0	0
63	CORN2	PX	-.002	-.002	0	0
64	CORN1	PX	-.002	-.002	0	0
65	C PL6	PX	-.002	-.002	0	0
66	C PL5	PX	-.002	-.002	0	0
67	C PL4	PX	-.002	-.002	0	0
68	C PL3	PX	-.002	-.002	0	0
69	C PL2	PX	-.002	-.002	0	0
70	C PL1	PX	-.002	-.002	0	0
71	MP ALPHA1	PY	.005	.005	0	0
72	MP ALPHA1	PX	-.009	-.009	0	0
73	MP GAMMA3	PY	.005	.005	0	0
74	MP GAMMA3	PX	-.009	-.009	0	0
75	MP GAMMA2	PY	.005	.005	0	0
76	MP GAMMA2	PX	-.009	-.009	0	0
77	MP GAMMA1	PY	.005	.005	0	0
78	MP GAMMA1	PX	-.009	-.009	0	0
79	MP BETA3	PY	.005	.005	0	0
80	MP BETA3	PX	-.009	-.009	0	0
81	MP BETA2	PY	.005	.005	0	0
82	MP BETA2	PX	-.009	-.009	0	0
83	MP BETA1	PY	.005	.005	0	0
84	MP BETA1	PX	-.009	-.009	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	SUPPORT6	PY	.009	.009	0	0
2	SUPPORT5	PY	.009	.009	0	0
3	SUPPORT4	PY	.009	.009	0	0
4	SUPPORT3	PY	.009	.009	0	0
5	SUPPORT2	PY	.009	.009	0	0
6	SUPPORT1	PY	.009	.009	0	0
7	SO3	PY	.011	.011	0	0
8	SO2	PY	.011	.011	0	0
9	SO1	PY	.011	.011	0	0
10	SM PL6	PY	.002	.002	0	0
11	SM PL5	PY	.002	.002	0	0
12	SM PL4	PY	.002	.002	0	0
13	SM PL3	PY	.002	.002	0	0
14	SM PL2	PY	.002	.002	0	0
15	SM PL1	PY	.002	.002	0	0
16	MP ALPHA3	PY	.009	.009	0	0
17	MP ALPHA2	PY	.009	.009	0	0
18	FACE3	PY	.009	.009	0	0
19	FACE2	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,%]
20	FACE1	PY	.009	.009	0	0
21	CROSSARM6	PY	.011	.011	0	0
22	CROSSARM5	PY	.011	.011	0	0
23	CROSSARM4	PY	.011	.011	0	0
24	CROSSARM3	PY	.011	.011	0	0
25	CROSSARM2	PY	.011	.011	0	0
26	CROSSARM1	PY	.011	.011	0	0
27	CORN3	PY	.002	.002	0	0
28	CORN2	PY	.002	.002	0	0
29	CORN1	PY	.002	.002	0	0
30	C PL6	PY	.002	.002	0	0
31	C PL5	PY	.002	.002	0	0
32	C PL4	PY	.002	.002	0	0
33	C PL3	PY	.002	.002	0	0
34	C PL2	PY	.002	.002	0	0
35	C PL1	PY	.002	.002	0	0
36	SUPPORT6	PX	-.005	-.005	0	0
37	SUPPORT5	PX	-.005	-.005	0	0
38	SUPPORT4	PX	-.005	-.005	0	0
39	SUPPORT3	PX	-.005	-.005	0	0
40	SUPPORT2	PX	-.005	-.005	0	0
41	SUPPORT1	PX	-.005	-.005	0	0
42	SO3	PX	-.006	-.006	0	0
43	SO2	PX	-.006	-.006	0	0
44	SO1	PX	-.006	-.006	0	0
45	SM PL6	PX	-.000937	-.000937	0	0
46	SM PL5	PX	-.000937	-.000937	0	0
47	SM PL4	PX	-.000937	-.000937	0	0
48	SM PL3	PX	-.000937	-.000937	0	0
49	SM PL2	PX	-.000937	-.000937	0	0
50	SM PL1	PX	-.000937	-.000937	0	0
51	MP ALPHA3	PX	-.005	-.005	0	0
52	MP ALPHA2	PX	-.005	-.005	0	0
53	FACE3	PX	-.005	-.005	0	0
54	FACE2	PX	-.005	-.005	0	0
55	FACE1	PX	-.005	-.005	0	0
56	CROSSARM6	PX	-.006	-.006	0	0
57	CROSSARM5	PX	-.006	-.006	0	0
58	CROSSARM4	PX	-.006	-.006	0	0
59	CROSSARM3	PX	-.006	-.006	0	0
60	CROSSARM2	PX	-.006	-.006	0	0
61	CROSSARM1	PX	-.006	-.006	0	0
62	CORN3	PX	-.000937	-.000937	0	0
63	CORN2	PX	-.000937	-.000937	0	0
64	CORN1	PX	-.000937	-.000937	0	0
65	C PL6	PX	-.000937	-.000937	0	0
66	C PL5	PX	-.000937	-.000937	0	0
67	C PL4	PX	-.000937	-.000937	0	0
68	C PL3	PX	-.000937	-.000937	0	0
69	C PL2	PX	-.000937	-.000937	0	0
70	C PL1	PX	-.000937	-.000937	0	0
71	MP ALPHA1	PY	.009	.009	0	0
72	MP ALPHA1	PX	-.005	-.005	0	0
73	MP GAMMA3	PY	.009	.009	0	0
74	MP GAMMA3	PX	-.005	-.005	0	0
75	MP GAMMA2	PY	.009	.009	0	0
76	MP GAMMA2	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,%]
77	MP GAMMA1	PY	.009	.009	0	0
78	MP GAMMA1	PX	-.005	-.005	0	0
79	MP BETA3	PY	.009	.009	0	0
80	MP BETA3	PX	-.005	-.005	0	0
81	MP BETA2	PY	.009	.009	0	0
82	MP BETA2	PX	-.005	-.005	0	0
83	MP BETA1	PY	.009	.009	0	0
84	MP BETA1	PX	-.005	-.005	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	SUPPORT6	PY	.01	.01	0	0
2	SUPPORT5	PY	.01	.01	0	0
3	SUPPORT4	PY	.01	.01	0	0
4	SUPPORT3	PY	.01	.01	0	0
5	SUPPORT2	PY	.01	.01	0	0
6	SUPPORT1	PY	.01	.01	0	0
7	SO3	PY	.012	.012	0	0
8	SO2	PY	.012	.012	0	0
9	SO1	PY	.012	.012	0	0
10	SM PL6	PY	.002	.002	0	0
11	SM PL5	PY	.002	.002	0	0
12	SM PL4	PY	.002	.002	0	0
13	SM PL3	PY	.002	.002	0	0
14	SM PL2	PY	.002	.002	0	0
15	SM PL1	PY	.002	.002	0	0
16	MP ALPHA3	PY	.011	.011	0	0
17	MP ALPHA2	PY	.011	.011	0	0
18	FACE3	PY	.01	.01	0	0
19	FACE2	PY	.01	.01	0	0
20	FACE1	PY	.01	.01	0	0
21	CROSSARM6	PY	.012	.012	0	0
22	CROSSARM5	PY	.012	.012	0	0
23	CROSSARM4	PY	.012	.012	0	0
24	CROSSARM3	PY	.012	.012	0	0
25	CROSSARM2	PY	.012	.012	0	0
26	CROSSARM1	PY	.012	.012	0	0
27	CORN3	PY	.002	.002	0	0
28	CORN2	PY	.002	.002	0	0
29	CORN1	PY	.002	.002	0	0
30	C PL6	PY	.002	.002	0	0
31	C PL5	PY	.002	.002	0	0
32	C PL4	PY	.002	.002	0	0
33	C PL3	PY	.002	.002	0	0
34	C PL2	PY	.002	.002	0	0
35	C PL1	PY	.002	.002	0	0
36	MP ALPHA1	PY	.011	.011	0	0
37	MP GAMMA3	PY	.011	.011	0	0
38	MP GAMMA2	PY	.011	.011	0	0
39	MP GAMMA1	PY	.011	.011	0	0
40	MP BETA3	PY	.011	.011	0	0
41	MP BETA2	PY	.011	.011	0	0
42	MP BETA1	PY	.011	.011	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,%]

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,%]
1	SUPPORT6	PY	.009	.009	0	0
2	SUPPORT5	PY	.009	.009	0	0
3	SUPPORT4	PY	.009	.009	0	0
4	SUPPORT3	PY	.009	.009	0	0
5	SUPPORT2	PY	.009	.009	0	0
6	SUPPORT1	PY	.009	.009	0	0
7	SO3	PY	.011	.011	0	0
8	SO2	PY	.011	.011	0	0
9	SO1	PY	.011	.011	0	0
10	SM PL6	PY	.002	.002	0	0
11	SM PL5	PY	.002	.002	0	0
12	SM PL4	PY	.002	.002	0	0
13	SM PL3	PY	.002	.002	0	0
14	SM PL2	PY	.002	.002	0	0
15	SM PL1	PY	.002	.002	0	0
16	MP ALPHA3	PY	.009	.009	0	0
17	MP ALPHA2	PY	.009	.009	0	0
18	FACE3	PY	.009	.009	0	0
19	FACE2	PY	.009	.009	0	0
20	FACE1	PY	.009	.009	0	0
21	CROSSARM6	PY	.011	.011	0	0
22	CROSSARM5	PY	.011	.011	0	0
23	CROSSARM4	PY	.011	.011	0	0
24	CROSSARM3	PY	.011	.011	0	0
25	CROSSARM2	PY	.011	.011	0	0
26	CROSSARM1	PY	.011	.011	0	0
27	CORN3	PY	.002	.002	0	0
28	CORN2	PY	.002	.002	0	0
29	CORN1	PY	.002	.002	0	0
30	C PL6	PY	.002	.002	0	0
31	C PL5	PY	.002	.002	0	0
32	C PL4	PY	.002	.002	0	0
33	C PL3	PY	.002	.002	0	0
34	C PL2	PY	.002	.002	0	0
35	C PL1	PY	.002	.002	0	0
36	SUPPORT6	PX	.005	.005	0	0
37	SUPPORT5	PX	.005	.005	0	0
38	SUPPORT4	PX	.005	.005	0	0
39	SUPPORT3	PX	.005	.005	0	0
40	SUPPORT2	PX	.005	.005	0	0
41	SUPPORT1	PX	.005	.005	0	0
42	SO3	PX	.006	.006	0	0
43	SO2	PX	.006	.006	0	0
44	SO1	PX	.006	.006	0	0
45	SM PL6	PX	.000937	.000937	0	0
46	SM PL5	PX	.000937	.000937	0	0
47	SM PL4	PX	.000937	.000937	0	0
48	SM PL3	PX	.000937	.000937	0	0
49	SM PL2	PX	.000937	.000937	0	0
50	SM PL1	PX	.000937	.000937	0	0
51	MP ALPHA3	PX	.005	.005	0	0
52	MP ALPHA2	PX	.005	.005	0	0
53	FACE3	PX	.005	.005	0	0
54	FACE2	PX	.005	.005	0	0
55	FACE1	PX	.005	.005	0	0
56	CROSSARM6	PX	.006	.006	0	0
57	CROSSARM5	PX	.006	.006	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,%]
58	CROSSARM4	PX	.006	.006	0	0
59	CROSSARM3	PX	.006	.006	0	0
60	CROSSARM2	PX	.006	.006	0	0
61	CROSSARM1	PX	.006	.006	0	0
62	CORN3	PX	.000937	.000937	0	0
63	CORN2	PX	.000937	.000937	0	0
64	CORN1	PX	.000937	.000937	0	0
65	C PL6	PX	.000937	.000937	0	0
66	C PL5	PX	.000937	.000937	0	0
67	C PL4	PX	.000937	.000937	0	0
68	C PL3	PX	.000937	.000937	0	0
69	C PL2	PX	.000937	.000937	0	0
70	C PL1	PX	.000937	.000937	0	0
71	MP ALPHA1	PY	.009	.009	0	0
72	MP ALPHA1	PX	.005	.005	0	0
73	MP GAMMA3	PY	.009	.009	0	0
74	MP GAMMA3	PX	.005	.005	0	0
75	MP GAMMA2	PY	.009	.009	0	0
76	MP GAMMA2	PX	.005	.005	0	0
77	MP GAMMA1	PY	.009	.009	0	0
78	MP GAMMA1	PX	.005	.005	0	0
79	MP BETA3	PY	.009	.009	0	0
80	MP BETA3	PX	.005	.005	0	0
81	MP BETA2	PY	.009	.009	0	0
82	MP BETA2	PX	.005	.005	0	0
83	MP BETA1	PY	.009	.009	0	0
84	MP BETA1	PX	.005	.005	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,%]
1	SUPPORT6	PY	.005	.005	0	0
2	SUPPORT5	PY	.005	.005	0	0
3	SUPPORT4	PY	.005	.005	0	0
4	SUPPORT3	PY	.005	.005	0	0
5	SUPPORT2	PY	.005	.005	0	0
6	SUPPORT1	PY	.005	.005	0	0
7	SO3	PY	.006	.006	0	0
8	SO2	PY	.006	.006	0	0
9	SO1	PY	.006	.006	0	0
10	SM PL6	PY	.000937	.000937	0	0
11	SM PL5	PY	.000937	.000937	0	0
12	SM PL4	PY	.000937	.000937	0	0
13	SM PL3	PY	.000937	.000937	0	0
14	SM PL2	PY	.000937	.000937	0	0
15	SM PL1	PY	.000937	.000937	0	0
16	MP ALPHA3	PY	.005	.005	0	0
17	MP ALPHA2	PY	.005	.005	0	0
18	FACE3	PY	.005	.005	0	0
19	FACE2	PY	.005	.005	0	0
20	FACE1	PY	.005	.005	0	0
21	CROSSARM6	PY	.006	.006	0	0
22	CROSSARM5	PY	.006	.006	0	0
23	CROSSARM4	PY	.006	.006	0	0
24	CROSSARM3	PY	.006	.006	0	0
25	CROSSARM2	PY	.006	.006	0	0
26	CROSSARM1	PY	.006	.006	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,%]
27	CORN3	PY	.000937	.000937	0	0
28	CORN2	PY	.000937	.000937	0	0
29	CORN1	PY	.000937	.000937	0	0
30	C PL6	PY	.000937	.000937	0	0
31	C PL5	PY	.000937	.000937	0	0
32	C PL4	PY	.000937	.000937	0	0
33	C PL3	PY	.000937	.000937	0	0
34	C PL2	PY	.000937	.000937	0	0
35	C PL1	PY	.000937	.000937	0	0
36	SUPPORT6	PX	.009	.009	0	0
37	SUPPORT5	PX	.009	.009	0	0
38	SUPPORT4	PX	.009	.009	0	0
39	SUPPORT3	PX	.009	.009	0	0
40	SUPPORT2	PX	.009	.009	0	0
41	SUPPORT1	PX	.009	.009	0	0
42	SO3	PX	.011	.011	0	0
43	SO2	PX	.011	.011	0	0
44	SO1	PX	.011	.011	0	0
45	SM PL6	PX	.002	.002	0	0
46	SM PL5	PX	.002	.002	0	0
47	SM PL4	PX	.002	.002	0	0
48	SM PL3	PX	.002	.002	0	0
49	SM PL2	PX	.002	.002	0	0
50	SM PL1	PX	.002	.002	0	0
51	MP ALPHA3	PX	.009	.009	0	0
52	MP ALPHA2	PX	.009	.009	0	0
53	FACE3	PX	.009	.009	0	0
54	FACE2	PX	.009	.009	0	0
55	FACE1	PX	.009	.009	0	0
56	CROSSARM6	PX	.011	.011	0	0
57	CROSSARM5	PX	.011	.011	0	0
58	CROSSARM4	PX	.011	.011	0	0
59	CROSSARM3	PX	.011	.011	0	0
60	CROSSARM2	PX	.011	.011	0	0
61	CROSSARM1	PX	.011	.011	0	0
62	CORN3	PX	.002	.002	0	0
63	CORN2	PX	.002	.002	0	0
64	CORN1	PX	.002	.002	0	0
65	C PL6	PX	.002	.002	0	0
66	C PL5	PX	.002	.002	0	0
67	C PL4	PX	.002	.002	0	0
68	C PL3	PX	.002	.002	0	0
69	C PL2	PX	.002	.002	0	0
70	C PL1	PX	.002	.002	0	0
71	MP ALPHA1	PY	.005	.005	0	0
72	MP ALPHA1	PX	.009	.009	0	0
73	MP GAMMA3	PY	.005	.005	0	0
74	MP GAMMA3	PX	.009	.009	0	0
75	MP GAMMA2	PY	.005	.005	0	0
76	MP GAMMA2	PX	.009	.009	0	0
77	MP GAMMA1	PY	.005	.005	0	0
78	MP GAMMA1	PX	.009	.009	0	0
79	MP BETA3	PY	.005	.005	0	0
80	MP BETA3	PX	.009	.009	0	0
81	MP BETA2	PY	.005	.005	0	0
82	MP BETA2	PX	.009	.009	0	0
83	MP BETA1	PY	.005	.005	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,%]
84	MP BETA1	PX	.009	.009	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	SUPPORT6	PX	.01	.01	0	0
2	SUPPORT5	PX	.01	.01	0	0
3	SUPPORT4	PX	.01	.01	0	0
4	SUPPORT3	PX	.01	.01	0	0
5	SUPPORT2	PX	.01	.01	0	0
6	SUPPORT1	PX	.01	.01	0	0
7	SO3	PX	.012	.012	0	0
8	SO2	PX	.012	.012	0	0
9	SO1	PX	.012	.012	0	0
10	SM PL6	PX	.002	.002	0	0
11	SM PL5	PX	.002	.002	0	0
12	SM PL4	PX	.002	.002	0	0
13	SM PL3	PX	.002	.002	0	0
14	SM PL2	PX	.002	.002	0	0
15	SM PL1	PX	.002	.002	0	0
16	MP ALPHA3	PX	.011	.011	0	0
17	MP ALPHA2	PX	.011	.011	0	0
18	FACE3	PX	.01	.01	0	0
19	FACE2	PX	.01	.01	0	0
20	FACE1	PX	.01	.01	0	0
21	CROSSARM6	PX	.012	.012	0	0
22	CROSSARM5	PX	.012	.012	0	0
23	CROSSARM4	PX	.012	.012	0	0
24	CROSSARM3	PX	.012	.012	0	0
25	CROSSARM2	PX	.012	.012	0	0
26	CROSSARM1	PX	.012	.012	0	0
27	CORN3	PX	.002	.002	0	0
28	CORN2	PX	.002	.002	0	0
29	CORN1	PX	.002	.002	0	0
30	C PL6	PX	.002	.002	0	0
31	C PL5	PX	.002	.002	0	0
32	C PL4	PX	.002	.002	0	0
33	C PL3	PX	.002	.002	0	0
34	C PL2	PX	.002	.002	0	0
35	C PL1	PX	.002	.002	0	0
36	MP ALPHA1	PX	.011	.011	0	0
37	MP GAMMA3	PX	.011	.011	0	0
38	MP GAMMA2	PX	.011	.011	0	0
39	MP GAMMA1	PX	.011	.011	0	0
40	MP BETA3	PX	.011	.011	0	0
41	MP BETA2	PX	.011	.011	0	0
42	MP BETA1	PX	.011	.011	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	SUPPORT6	PY	-.005	-.005	0	0
2	SUPPORT5	PY	-.005	-.005	0	0
3	SUPPORT4	PY	-.005	-.005	0	0
4	SUPPORT3	PY	-.005	-.005	0	0
5	SUPPORT2	PY	-.005	-.005	0	0
6	SUPPORT1	PY	-.005	-.005	0	0
7	SO3	PY	-.006	-.006	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,%]
8	SO2	PY	-.006	-.006	0	0
9	SO1	PY	-.006	-.006	0	0
10	SM PL6	PY	-.000937	-.000937	0	0
11	SM PL5	PY	-.000937	-.000937	0	0
12	SM PL4	PY	-.000937	-.000937	0	0
13	SM PL3	PY	-.000937	-.000937	0	0
14	SM PL2	PY	-.000937	-.000937	0	0
15	SM PL1	PY	-.000937	-.000937	0	0
16	MP ALPHA3	PY	-.005	-.005	0	0
17	MP ALPHA2	PY	-.005	-.005	0	0
18	FACE3	PY	-.005	-.005	0	0
19	FACE2	PY	-.005	-.005	0	0
20	FACE1	PY	-.005	-.005	0	0
21	CROSSARM6	PY	-.006	-.006	0	0
22	CROSSARM5	PY	-.006	-.006	0	0
23	CROSSARM4	PY	-.006	-.006	0	0
24	CROSSARM3	PY	-.006	-.006	0	0
25	CROSSARM2	PY	-.006	-.006	0	0
26	CROSSARM1	PY	-.006	-.006	0	0
27	CORN3	PY	-.000937	-.000937	0	0
28	CORN2	PY	-.000937	-.000937	0	0
29	CORN1	PY	-.000937	-.000937	0	0
30	C PL6	PY	-.000937	-.000937	0	0
31	C PL5	PY	-.000937	-.000937	0	0
32	C PL4	PY	-.000937	-.000937	0	0
33	C PL3	PY	-.000937	-.000937	0	0
34	C PL2	PY	-.000937	-.000937	0	0
35	C PL1	PY	-.000937	-.000937	0	0
36	SUPPORT6	PX	.009	.009	0	0
37	SUPPORT5	PX	.009	.009	0	0
38	SUPPORT4	PX	.009	.009	0	0
39	SUPPORT3	PX	.009	.009	0	0
40	SUPPORT2	PX	.009	.009	0	0
41	SUPPORT1	PX	.009	.009	0	0
42	SO3	PX	.011	.011	0	0
43	SO2	PX	.011	.011	0	0
44	SO1	PX	.011	.011	0	0
45	SM PL6	PX	.002	.002	0	0
46	SM PL5	PX	.002	.002	0	0
47	SM PL4	PX	.002	.002	0	0
48	SM PL3	PX	.002	.002	0	0
49	SM PL2	PX	.002	.002	0	0
50	SM PL1	PX	.002	.002	0	0
51	MP ALPHA3	PX	.009	.009	0	0
52	MP ALPHA2	PX	.009	.009	0	0
53	FACE3	PX	.009	.009	0	0
54	FACE2	PX	.009	.009	0	0
55	FACE1	PX	.009	.009	0	0
56	CROSSARM6	PX	.011	.011	0	0
57	CROSSARM5	PX	.011	.011	0	0
58	CROSSARM4	PX	.011	.011	0	0
59	CROSSARM3	PX	.011	.011	0	0
60	CROSSARM2	PX	.011	.011	0	0
61	CROSSARM1	PX	.011	.011	0	0
62	CORN3	PX	.002	.002	0	0
63	CORN2	PX	.002	.002	0	0
64	CORN1	PX	.002	.002	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,%]
65	C PL6	PX	.002	.002	0	0
66	C PL5	PX	.002	.002	0	0
67	C PL4	PX	.002	.002	0	0
68	C PL3	PX	.002	.002	0	0
69	C PL2	PX	.002	.002	0	0
70	C PL1	PX	.002	.002	0	0
71	MP ALPHA1	PY	-.005	-.005	0	0
72	MP ALPHA1	PX	.009	.009	0	0
73	MP GAMMA3	PY	-.005	-.005	0	0
74	MP GAMMA3	PX	.009	.009	0	0
75	MP GAMMA2	PY	-.005	-.005	0	0
76	MP GAMMA2	PX	.009	.009	0	0
77	MP GAMMA1	PY	-.005	-.005	0	0
78	MP GAMMA1	PX	.009	.009	0	0
79	MP BETA3	PY	-.005	-.005	0	0
80	MP BETA3	PX	.009	.009	0	0
81	MP BETA2	PY	-.005	-.005	0	0
82	MP BETA2	PX	.009	.009	0	0
83	MP BETA1	PY	-.005	-.005	0	0
84	MP BETA1	PX	.009	.009	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	SUPPORT6	PY	-.009	-.009	0	0
2	SUPPORT5	PY	-.009	-.009	0	0
3	SUPPORT4	PY	-.009	-.009	0	0
4	SUPPORT3	PY	-.009	-.009	0	0
5	SUPPORT2	PY	-.009	-.009	0	0
6	SUPPORT1	PY	-.009	-.009	0	0
7	SO3	PY	-.011	-.011	0	0
8	SO2	PY	-.011	-.011	0	0
9	SO1	PY	-.011	-.011	0	0
10	SM PL6	PY	-.002	-.002	0	0
11	SM PL5	PY	-.002	-.002	0	0
12	SM PL4	PY	-.002	-.002	0	0
13	SM PL3	PY	-.002	-.002	0	0
14	SM PL2	PY	-.002	-.002	0	0
15	SM PL1	PY	-.002	-.002	0	0
16	MP ALPHA3	PY	-.009	-.009	0	0
17	MP ALPHA2	PY	-.009	-.009	0	0
18	FACE3	PY	-.009	-.009	0	0
19	FACE2	PY	-.009	-.009	0	0
20	FACE1	PY	-.009	-.009	0	0
21	CROSSARM6	PY	-.011	-.011	0	0
22	CROSSARM5	PY	-.011	-.011	0	0
23	CROSSARM4	PY	-.011	-.011	0	0
24	CROSSARM3	PY	-.011	-.011	0	0
25	CROSSARM2	PY	-.011	-.011	0	0
26	CROSSARM1	PY	-.011	-.011	0	0
27	CORN3	PY	-.002	-.002	0	0
28	CORN2	PY	-.002	-.002	0	0
29	CORN1	PY	-.002	-.002	0	0
30	C PL6	PY	-.002	-.002	0	0
31	C PL5	PY	-.002	-.002	0	0
32	C PL4	PY	-.002	-.002	0	0
33	C PL3	PY	-.002	-.002	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,%]
34	C PL2	PY	-.002	-.002	0	0
35	C PL1	PY	-.002	-.002	0	0
36	SUPPORT6	PX	.005	.005	0	0
37	SUPPORT5	PX	.005	.005	0	0
38	SUPPORT4	PX	.005	.005	0	0
39	SUPPORT3	PX	.005	.005	0	0
40	SUPPORT2	PX	.005	.005	0	0
41	SUPPORT1	PX	.005	.005	0	0
42	SO3	PX	.006	.006	0	0
43	SO2	PX	.006	.006	0	0
44	SO1	PX	.006	.006	0	0
45	SM PL6	PX	.000937	.000937	0	0
46	SM PL5	PX	.000937	.000937	0	0
47	SM PL4	PX	.000937	.000937	0	0
48	SM PL3	PX	.000937	.000937	0	0
49	SM PL2	PX	.000937	.000937	0	0
50	SM PL1	PX	.000937	.000937	0	0
51	MP ALPHA3	PX	.005	.005	0	0
52	MP ALPHA2	PX	.005	.005	0	0
53	FACE3	PX	.005	.005	0	0
54	FACE2	PX	.005	.005	0	0
55	FACE1	PX	.005	.005	0	0
56	CROSSARM6	PX	.006	.006	0	0
57	CROSSARM5	PX	.006	.006	0	0
58	CROSSARM4	PX	.006	.006	0	0
59	CROSSARM3	PX	.006	.006	0	0
60	CROSSARM2	PX	.006	.006	0	0
61	CROSSARM1	PX	.006	.006	0	0
62	CORN3	PX	.000937	.000937	0	0
63	CORN2	PX	.000937	.000937	0	0
64	CORN1	PX	.000937	.000937	0	0
65	C PL6	PX	.000937	.000937	0	0
66	C PL5	PX	.000937	.000937	0	0
67	C PL4	PX	.000937	.000937	0	0
68	C PL3	PX	.000937	.000937	0	0
69	C PL2	PX	.000937	.000937	0	0
70	C PL1	PX	.000937	.000937	0	0
71	MP ALPHA1	PY	-.009	-.009	0	0
72	MP ALPHA1	PX	.005	.005	0	0
73	MP GAMMA3	PY	-.009	-.009	0	0
74	MP GAMMA3	PX	.005	.005	0	0
75	MP GAMMA2	PY	-.009	-.009	0	0
76	MP GAMMA2	PX	.005	.005	0	0
77	MP GAMMA1	PY	-.009	-.009	0	0
78	MP GAMMA1	PX	.005	.005	0	0
79	MP BETA3	PY	-.009	-.009	0	0
80	MP BETA3	PX	.005	.005	0	0
81	MP BETA2	PY	-.009	-.009	0	0
82	MP BETA2	PX	.005	.005	0	0
83	MP BETA1	PY	-.009	-.009	0	0
84	MP BETA1	PX	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	-.000585	-.000585	0	0
2	SUPPORT5	PY	-.000585	-.000585	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
3	SUPPORT4	PY	-.000585	-.000585	0	0
4	SUPPORT3	PY	-.000585	-.000585	0	0
5	SUPPORT2	PY	-.000585	-.000585	0	0
6	SUPPORT1	PY	-.000585	-.000585	0	0
7	SO3	PY	-.000731	-.000731	0	0
8	SO2	PY	-.000731	-.000731	0	0
9	SO1	PY	-.000731	-.000731	0	0
10	SM PL6	PY	-.00011	-.00011	0	0
11	SM PL5	PY	-.00011	-.00011	0	0
12	SM PL4	PY	-.00011	-.00011	0	0
13	SM PL3	PY	-.00011	-.00011	0	0
14	SM PL2	PY	-.00011	-.00011	0	0
15	SM PL1	PY	-.00011	-.00011	0	0
16	MP ALPHA3	PY	-.000622	-.000622	0	0
17	MP ALPHA2	PY	-.000622	-.000622	0	0
18	FACE3	PY	-.000614	-.000614	0	0
19	FACE2	PY	-.000614	-.000614	0	0
20	FACE1	PY	-.000614	-.000614	0	0
21	CROSSARM6	PY	-.000731	-.000731	0	0
22	CROSSARM5	PY	-.000731	-.000731	0	0
23	CROSSARM4	PY	-.000731	-.000731	0	0
24	CROSSARM3	PY	-.000731	-.000731	0	0
25	CROSSARM2	PY	-.000731	-.000731	0	0
26	CROSSARM1	PY	-.000731	-.000731	0	0
27	CORN3	PY	-.00011	-.00011	0	0
28	CORN2	PY	-.00011	-.00011	0	0
29	CORN1	PY	-.00011	-.00011	0	0
30	C PL6	PY	-.00011	-.00011	0	0
31	C PL5	PY	-.00011	-.00011	0	0
32	C PL4	PY	-.00011	-.00011	0	0
33	C PL3	PY	-.00011	-.00011	0	0
34	C PL2	PY	-.00011	-.00011	0	0
35	C PL1	PY	-.00011	-.00011	0	0
36	MP ALPHA1	PY	-.000622	-.000622	0	0
37	MP GAMMA3	PY	-.000622	-.000622	0	0
38	MP GAMMA2	PY	-.000622	-.000622	0	0
39	MP GAMMA1	PY	-.000622	-.000622	0	0
40	MP BETA3	PY	-.000622	-.000622	0	0
41	MP BETA2	PY	-.000622	-.000622	0	0
42	MP BETA1	PY	-.000622	-.000622	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	-.000507	-.000507	0	0
2	SUPPORT5	PY	-.000507	-.000507	0	0
3	SUPPORT4	PY	-.000507	-.000507	0	0
4	SUPPORT3	PY	-.000507	-.000507	0	0
5	SUPPORT2	PY	-.000507	-.000507	0	0
6	SUPPORT1	PY	-.000507	-.000507	0	0
7	SO3	PY	-.000633	-.000633	0	0
8	SO2	PY	-.000633	-.000633	0	0
9	SO1	PY	-.000633	-.000633	0	0
10	SM PL6	PY	-9.5e-5	-9.5e-5	0	0
11	SM PL5	PY	-9.5e-5	-9.5e-5	0	0
12	SM PL4	PY	-9.5e-5	-9.5e-5	0	0
13	SM PL3	PY	-9.5e-5	-9.5e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
14	SM PL2	PY	-9.5e-5	-9.5e-5	0	0
15	SM PL1	PY	-9.5e-5	-9.5e-5	0	0
16	MP ALPHA3	PY	-.000539	-.000539	0	0
17	MP ALPHA2	PY	-.000539	-.000539	0	0
18	FACE3	PY	-.000532	-.000532	0	0
19	FACE2	PY	-.000532	-.000532	0	0
20	FACE1	PY	-.000532	-.000532	0	0
21	CROSSARM6	PY	-.000633	-.000633	0	0
22	CROSSARM5	PY	-.000633	-.000633	0	0
23	CROSSARM4	PY	-.000633	-.000633	0	0
24	CROSSARM3	PY	-.000633	-.000633	0	0
25	CROSSARM2	PY	-.000633	-.000633	0	0
26	CROSSARM1	PY	-.000633	-.000633	0	0
27	CORN3	PY	-9.5e-5	-9.5e-5	0	0
28	CORN2	PY	-9.5e-5	-9.5e-5	0	0
29	CORN1	PY	-9.5e-5	-9.5e-5	0	0
30	C PL6	PY	-9.5e-5	-9.5e-5	0	0
31	C PL5	PY	-9.5e-5	-9.5e-5	0	0
32	C PL4	PY	-9.5e-5	-9.5e-5	0	0
33	C PL3	PY	-9.5e-5	-9.5e-5	0	0
34	C PL2	PY	-9.5e-5	-9.5e-5	0	0
35	C PL1	PY	-9.5e-5	-9.5e-5	0	0
36	SUPPORT6	PX	-.000293	-.000293	0	0
37	SUPPORT5	PX	-.000293	-.000293	0	0
38	SUPPORT4	PX	-.000293	-.000293	0	0
39	SUPPORT3	PX	-.000293	-.000293	0	0
40	SUPPORT2	PX	-.000293	-.000293	0	0
41	SUPPORT1	PX	-.000293	-.000293	0	0
42	SO3	PX	-.000366	-.000366	0	0
43	SO2	PX	-.000366	-.000366	0	0
44	SO1	PX	-.000366	-.000366	0	0
45	SM PL6	PX	-5.5e-5	-5.5e-5	0	0
46	SM PL5	PX	-5.5e-5	-5.5e-5	0	0
47	SM PL4	PX	-5.5e-5	-5.5e-5	0	0
48	SM PL3	PX	-5.5e-5	-5.5e-5	0	0
49	SM PL2	PX	-5.5e-5	-5.5e-5	0	0
50	SM PL1	PX	-5.5e-5	-5.5e-5	0	0
51	MP ALPHA3	PX	-.000311	-.000311	0	0
52	MP ALPHA2	PX	-.000311	-.000311	0	0
53	FACE3	PX	-.000307	-.000307	0	0
54	FACE2	PX	-.000307	-.000307	0	0
55	FACE1	PX	-.000307	-.000307	0	0
56	CROSSARM6	PX	-.000366	-.000366	0	0
57	CROSSARM5	PX	-.000366	-.000366	0	0
58	CROSSARM4	PX	-.000366	-.000366	0	0
59	CROSSARM3	PX	-.000366	-.000366	0	0
60	CROSSARM2	PX	-.000366	-.000366	0	0
61	CROSSARM1	PX	-.000366	-.000366	0	0
62	CORN3	PX	-5.5e-5	-5.5e-5	0	0
63	CORN2	PX	-5.5e-5	-5.5e-5	0	0
64	CORN1	PX	-5.5e-5	-5.5e-5	0	0
65	C PL6	PX	-5.5e-5	-5.5e-5	0	0
66	C PL5	PX	-5.5e-5	-5.5e-5	0	0
67	C PL4	PX	-5.5e-5	-5.5e-5	0	0
68	C PL3	PX	-5.5e-5	-5.5e-5	0	0
69	C PL2	PX	-5.5e-5	-5.5e-5	0	0
70	C PL1	PX	-5.5e-5	-5.5e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
71	MP ALPHA1	PY	-.000539	-.000539	0	0
72	MP ALPHA1	PX	-.000311	-.000311	0	0
73	MP GAMMA3	PY	-.000539	-.000539	0	0
74	MP GAMMA3	PX	-.000311	-.000311	0	0
75	MP GAMMA2	PY	-.000539	-.000539	0	0
76	MP GAMMA2	PX	-.000311	-.000311	0	0
77	MP GAMMA1	PY	-.000539	-.000539	0	0
78	MP GAMMA1	PX	-.000311	-.000311	0	0
79	MP BETA3	PY	-.000539	-.000539	0	0
80	MP BETA3	PX	-.000311	-.000311	0	0
81	MP BETA2	PY	-.000539	-.000539	0	0
82	MP BETA2	PX	-.000311	-.000311	0	0
83	MP BETA1	PY	-.000539	-.000539	0	0
84	MP BETA1	PX	-.000311	-.000311	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	-.000293	-.000293	0	0
2	SUPPORT5	PY	-.000293	-.000293	0	0
3	SUPPORT4	PY	-.000293	-.000293	0	0
4	SUPPORT3	PY	-.000293	-.000293	0	0
5	SUPPORT2	PY	-.000293	-.000293	0	0
6	SUPPORT1	PY	-.000293	-.000293	0	0
7	SO3	PY	-.000366	-.000366	0	0
8	SO2	PY	-.000366	-.000366	0	0
9	SO1	PY	-.000366	-.000366	0	0
10	SM PL6	PY	-5.5e-5	-5.5e-5	0	0
11	SM PL5	PY	-5.5e-5	-5.5e-5	0	0
12	SM PL4	PY	-5.5e-5	-5.5e-5	0	0
13	SM PL3	PY	-5.5e-5	-5.5e-5	0	0
14	SM PL2	PY	-5.5e-5	-5.5e-5	0	0
15	SM PL1	PY	-5.5e-5	-5.5e-5	0	0
16	MP ALPHA3	PY	-.000311	-.000311	0	0
17	MP ALPHA2	PY	-.000311	-.000311	0	0
18	FACE3	PY	-.000307	-.000307	0	0
19	FACE2	PY	-.000307	-.000307	0	0
20	FACE1	PY	-.000307	-.000307	0	0
21	CROSSARM6	PY	-.000366	-.000366	0	0
22	CROSSARM5	PY	-.000366	-.000366	0	0
23	CROSSARM4	PY	-.000366	-.000366	0	0
24	CROSSARM3	PY	-.000366	-.000366	0	0
25	CROSSARM2	PY	-.000366	-.000366	0	0
26	CROSSARM1	PY	-.000366	-.000366	0	0
27	CORN3	PY	-5.5e-5	-5.5e-5	0	0
28	CORN2	PY	-5.5e-5	-5.5e-5	0	0
29	CORN1	PY	-5.5e-5	-5.5e-5	0	0
30	C PL6	PY	-5.5e-5	-5.5e-5	0	0
31	C PL5	PY	-5.5e-5	-5.5e-5	0	0
32	C PL4	PY	-5.5e-5	-5.5e-5	0	0
33	C PL3	PY	-5.5e-5	-5.5e-5	0	0
34	C PL2	PY	-5.5e-5	-5.5e-5	0	0
35	C PL1	PY	-5.5e-5	-5.5e-5	0	0
36	SUPPORT6	PX	-.000507	-.000507	0	0
37	SUPPORT5	PX	-.000507	-.000507	0	0
38	SUPPORT4	PX	-.000507	-.000507	0	0
39	SUPPORT3	PX	-.000507	-.000507	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
40	SUPPORT2	PX	-.000507	-.000507	0	0
41	SUPPORT1	PX	-.000507	-.000507	0	0
42	SO3	PX	-.000633	-.000633	0	0
43	SO2	PX	-.000633	-.000633	0	0
44	SO1	PX	-.000633	-.000633	0	0
45	SM PL6	PX	-9.5e-5	-9.5e-5	0	0
46	SM PL5	PX	-9.5e-5	-9.5e-5	0	0
47	SM PL4	PX	-9.5e-5	-9.5e-5	0	0
48	SM PL3	PX	-9.5e-5	-9.5e-5	0	0
49	SM PL2	PX	-9.5e-5	-9.5e-5	0	0
50	SM PL1	PX	-9.5e-5	-9.5e-5	0	0
51	MP ALPHA3	PX	-.000539	-.000539	0	0
52	MP ALPHA2	PX	-.000539	-.000539	0	0
53	FACE3	PX	-.000532	-.000532	0	0
54	FACE2	PX	-.000532	-.000532	0	0
55	FACE1	PX	-.000532	-.000532	0	0
56	CROSSARM6	PX	-.000633	-.000633	0	0
57	CROSSARM5	PX	-.000633	-.000633	0	0
58	CROSSARM4	PX	-.000633	-.000633	0	0
59	CROSSARM3	PX	-.000633	-.000633	0	0
60	CROSSARM2	PX	-.000633	-.000633	0	0
61	CROSSARM1	PX	-.000633	-.000633	0	0
62	CORN3	PX	-9.5e-5	-9.5e-5	0	0
63	CORN2	PX	-9.5e-5	-9.5e-5	0	0
64	CORN1	PX	-9.5e-5	-9.5e-5	0	0
65	C PL6	PX	-9.5e-5	-9.5e-5	0	0
66	C PL5	PX	-9.5e-5	-9.5e-5	0	0
67	C PL4	PX	-9.5e-5	-9.5e-5	0	0
68	C PL3	PX	-9.5e-5	-9.5e-5	0	0
69	C PL2	PX	-9.5e-5	-9.5e-5	0	0
70	C PL1	PX	-9.5e-5	-9.5e-5	0	0
71	MP ALPHA1	PY	-.000311	-.000311	0	0
72	MP ALPHA1	PX	-.000539	-.000539	0	0
73	MP GAMMA3	PY	-.000311	-.000311	0	0
74	MP GAMMA3	PX	-.000539	-.000539	0	0
75	MP GAMMA2	PY	-.000311	-.000311	0	0
76	MP GAMMA2	PX	-.000539	-.000539	0	0
77	MP GAMMA1	PY	-.000311	-.000311	0	0
78	MP GAMMA1	PX	-.000539	-.000539	0	0
79	MP BETA3	PY	-.000311	-.000311	0	0
80	MP BETA3	PX	-.000539	-.000539	0	0
81	MP BETA2	PY	-.000311	-.000311	0	0
82	MP BETA2	PX	-.000539	-.000539	0	0
83	MP BETA1	PY	-.000311	-.000311	0	0
84	MP BETA1	PX	-.000539	-.000539	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PX	-.000585	-.000585	0	0
2	SUPPORT5	PX	-.000585	-.000585	0	0
3	SUPPORT4	PX	-.000585	-.000585	0	0
4	SUPPORT3	PX	-.000585	-.000585	0	0
5	SUPPORT2	PX	-.000585	-.000585	0	0
6	SUPPORT1	PX	-.000585	-.000585	0	0
7	SO3	PX	-.000731	-.000731	0	0
8	SO2	PX	-.000731	-.000731	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
9	SO1	PX	-.000731	-.000731	0	0
10	SM PL6	PX	-.00011	-.00011	0	0
11	SM PL5	PX	-.00011	-.00011	0	0
12	SM PL4	PX	-.00011	-.00011	0	0
13	SM PL3	PX	-.00011	-.00011	0	0
14	SM PL2	PX	-.00011	-.00011	0	0
15	SM PL1	PX	-.00011	-.00011	0	0
16	MP ALPHA3	PX	-.000622	-.000622	0	0
17	MP ALPHA2	PX	-.000622	-.000622	0	0
18	FACE3	PX	-.000614	-.000614	0	0
19	FACE2	PX	-.000614	-.000614	0	0
20	FACE1	PX	-.000614	-.000614	0	0
21	CROSSARM6	PX	-.000731	-.000731	0	0
22	CROSSARM5	PX	-.000731	-.000731	0	0
23	CROSSARM4	PX	-.000731	-.000731	0	0
24	CROSSARM3	PX	-.000731	-.000731	0	0
25	CROSSARM2	PX	-.000731	-.000731	0	0
26	CROSSARM1	PX	-.000731	-.000731	0	0
27	CORN3	PX	-.00011	-.00011	0	0
28	CORN2	PX	-.00011	-.00011	0	0
29	CORN1	PX	-.00011	-.00011	0	0
30	C PL6	PX	-.00011	-.00011	0	0
31	C PL5	PX	-.00011	-.00011	0	0
32	C PL4	PX	-.00011	-.00011	0	0
33	C PL3	PX	-.00011	-.00011	0	0
34	C PL2	PX	-.00011	-.00011	0	0
35	C PL1	PX	-.00011	-.00011	0	0
36	MP ALPHA1	PX	-.000622	-.000622	0	0
37	MP GAMMA3	PX	-.000622	-.000622	0	0
38	MP GAMMA2	PX	-.000622	-.000622	0	0
39	MP GAMMA1	PX	-.000622	-.000622	0	0
40	MP BETA3	PX	-.000622	-.000622	0	0
41	MP BETA2	PX	-.000622	-.000622	0	0
42	MP BETA1	PX	-.000622	-.000622	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	.000293	.000293	0	0
2	SUPPORT5	PY	.000293	.000293	0	0
3	SUPPORT4	PY	.000293	.000293	0	0
4	SUPPORT3	PY	.000293	.000293	0	0
5	SUPPORT2	PY	.000293	.000293	0	0
6	SUPPORT1	PY	.000293	.000293	0	0
7	SO3	PY	.000366	.000366	0	0
8	SO2	PY	.000366	.000366	0	0
9	SO1	PY	.000366	.000366	0	0
10	SM PL6	PY	5.5e-5	5.5e-5	0	0
11	SM PL5	PY	5.5e-5	5.5e-5	0	0
12	SM PL4	PY	5.5e-5	5.5e-5	0	0
13	SM PL3	PY	5.5e-5	5.5e-5	0	0
14	SM PL2	PY	5.5e-5	5.5e-5	0	0
15	SM PL1	PY	5.5e-5	5.5e-5	0	0
16	MP ALPHA3	PY	.000311	.000311	0	0
17	MP ALPHA2	PY	.000311	.000311	0	0
18	FACE3	PY	.000307	.000307	0	0
19	FACE2	PY	.000307	.000307	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
20	FACE1	PY	.000307	.000307	0	0
21	CROSSARM6	PY	.000366	.000366	0	0
22	CROSSARM5	PY	.000366	.000366	0	0
23	CROSSARM4	PY	.000366	.000366	0	0
24	CROSSARM3	PY	.000366	.000366	0	0
25	CROSSARM2	PY	.000366	.000366	0	0
26	CROSSARM1	PY	.000366	.000366	0	0
27	CORN3	PY	5.5e-5	5.5e-5	0	0
28	CORN2	PY	5.5e-5	5.5e-5	0	0
29	CORN1	PY	5.5e-5	5.5e-5	0	0
30	C PL6	PY	5.5e-5	5.5e-5	0	0
31	C PL5	PY	5.5e-5	5.5e-5	0	0
32	C PL4	PY	5.5e-5	5.5e-5	0	0
33	C PL3	PY	5.5e-5	5.5e-5	0	0
34	C PL2	PY	5.5e-5	5.5e-5	0	0
35	C PL1	PY	5.5e-5	5.5e-5	0	0
36	SUPPORT6	PX	-.000507	-.000507	0	0
37	SUPPORT5	PX	-.000507	-.000507	0	0
38	SUPPORT4	PX	-.000507	-.000507	0	0
39	SUPPORT3	PX	-.000507	-.000507	0	0
40	SUPPORT2	PX	-.000507	-.000507	0	0
41	SUPPORT1	PX	-.000507	-.000507	0	0
42	SO3	PX	-.000633	-.000633	0	0
43	SO2	PX	-.000633	-.000633	0	0
44	SO1	PX	-.000633	-.000633	0	0
45	SM PL6	PX	-9.5e-5	-9.5e-5	0	0
46	SM PL5	PX	-9.5e-5	-9.5e-5	0	0
47	SM PL4	PX	-9.5e-5	-9.5e-5	0	0
48	SM PL3	PX	-9.5e-5	-9.5e-5	0	0
49	SM PL2	PX	-9.5e-5	-9.5e-5	0	0
50	SM PL1	PX	-9.5e-5	-9.5e-5	0	0
51	MP ALPHA3	PX	-.000539	-.000539	0	0
52	MP ALPHA2	PX	-.000539	-.000539	0	0
53	FACE3	PX	-.000532	-.000532	0	0
54	FACE2	PX	-.000532	-.000532	0	0
55	FACE1	PX	-.000532	-.000532	0	0
56	CROSSARM6	PX	-.000633	-.000633	0	0
57	CROSSARM5	PX	-.000633	-.000633	0	0
58	CROSSARM4	PX	-.000633	-.000633	0	0
59	CROSSARM3	PX	-.000633	-.000633	0	0
60	CROSSARM2	PX	-.000633	-.000633	0	0
61	CROSSARM1	PX	-.000633	-.000633	0	0
62	CORN3	PX	-9.5e-5	-9.5e-5	0	0
63	CORN2	PX	-9.5e-5	-9.5e-5	0	0
64	CORN1	PX	-9.5e-5	-9.5e-5	0	0
65	C PL6	PX	-9.5e-5	-9.5e-5	0	0
66	C PL5	PX	-9.5e-5	-9.5e-5	0	0
67	C PL4	PX	-9.5e-5	-9.5e-5	0	0
68	C PL3	PX	-9.5e-5	-9.5e-5	0	0
69	C PL2	PX	-9.5e-5	-9.5e-5	0	0
70	C PL1	PX	-9.5e-5	-9.5e-5	0	0
71	MP ALPHA1	PY	.000311	.000311	0	0
72	MP ALPHA1	PX	-.000539	-.000539	0	0
73	MP GAMMA3	PY	.000311	.000311	0	0
74	MP GAMMA3	PX	-.000539	-.000539	0	0
75	MP GAMMA2	PY	.000311	.000311	0	0
76	MP GAMMA2	PX	-.000539	-.000539	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
77	MP GAMMA1	PY	.000311	.000311	0	0
78	MP GAMMA1	PX	-.000539	-.000539	0	0
79	MP BETA3	PY	.000311	.000311	0	0
80	MP BETA3	PX	-.000539	-.000539	0	0
81	MP BETA2	PY	.000311	.000311	0	0
82	MP BETA2	PX	-.000539	-.000539	0	0
83	MP BETA1	PY	.000311	.000311	0	0
84	MP BETA1	PX	-.000539	-.000539	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	.000507	.000507	0	0
2	SUPPORT5	PY	.000507	.000507	0	0
3	SUPPORT4	PY	.000507	.000507	0	0
4	SUPPORT3	PY	.000507	.000507	0	0
5	SUPPORT2	PY	.000507	.000507	0	0
6	SUPPORT1	PY	.000507	.000507	0	0
7	SO3	PY	.000633	.000633	0	0
8	SO2	PY	.000633	.000633	0	0
9	SO1	PY	.000633	.000633	0	0
10	SM PL6	PY	9.5e-5	9.5e-5	0	0
11	SM PL5	PY	9.5e-5	9.5e-5	0	0
12	SM PL4	PY	9.5e-5	9.5e-5	0	0
13	SM PL3	PY	9.5e-5	9.5e-5	0	0
14	SM PL2	PY	9.5e-5	9.5e-5	0	0
15	SM PL1	PY	9.5e-5	9.5e-5	0	0
16	MP ALPHA3	PY	.000539	.000539	0	0
17	MP ALPHA2	PY	.000539	.000539	0	0
18	FACE3	PY	.000532	.000532	0	0
19	FACE2	PY	.000532	.000532	0	0
20	FACE1	PY	.000532	.000532	0	0
21	CROSSARM6	PY	.000633	.000633	0	0
22	CROSSARM5	PY	.000633	.000633	0	0
23	CROSSARM4	PY	.000633	.000633	0	0
24	CROSSARM3	PY	.000633	.000633	0	0
25	CROSSARM2	PY	.000633	.000633	0	0
26	CROSSARM1	PY	.000633	.000633	0	0
27	CORN3	PY	9.5e-5	9.5e-5	0	0
28	CORN2	PY	9.5e-5	9.5e-5	0	0
29	CORN1	PY	9.5e-5	9.5e-5	0	0
30	C PL6	PY	9.5e-5	9.5e-5	0	0
31	C PL5	PY	9.5e-5	9.5e-5	0	0
32	C PL4	PY	9.5e-5	9.5e-5	0	0
33	C PL3	PY	9.5e-5	9.5e-5	0	0
34	C PL2	PY	9.5e-5	9.5e-5	0	0
35	C PL1	PY	9.5e-5	9.5e-5	0	0
36	SUPPORT6	PX	-.000293	-.000293	0	0
37	SUPPORT5	PX	-.000293	-.000293	0	0
38	SUPPORT4	PX	-.000293	-.000293	0	0
39	SUPPORT3	PX	-.000293	-.000293	0	0
40	SUPPORT2	PX	-.000293	-.000293	0	0
41	SUPPORT1	PX	-.000293	-.000293	0	0
42	SO3	PX	-.000366	-.000366	0	0
43	SO2	PX	-.000366	-.000366	0	0
44	SO1	PX	-.000366	-.000366	0	0
45	SM PL6	PX	-5.5e-5	-5.5e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
46	SM PL5	PX	-5.5e-5	-5.5e-5	0	0
47	SM PL4	PX	-5.5e-5	-5.5e-5	0	0
48	SM PL3	PX	-5.5e-5	-5.5e-5	0	0
49	SM PL2	PX	-5.5e-5	-5.5e-5	0	0
50	SM PL1	PX	-5.5e-5	-5.5e-5	0	0
51	MP ALPHA3	PX	-.000311	-.000311	0	0
52	MP ALPHA2	PX	-.000311	-.000311	0	0
53	FACE3	PX	-.000307	-.000307	0	0
54	FACE2	PX	-.000307	-.000307	0	0
55	FACE1	PX	-.000307	-.000307	0	0
56	CROSSARM6	PX	-.000366	-.000366	0	0
57	CROSSARM5	PX	-.000366	-.000366	0	0
58	CROSSARM4	PX	-.000366	-.000366	0	0
59	CROSSARM3	PX	-.000366	-.000366	0	0
60	CROSSARM2	PX	-.000366	-.000366	0	0
61	CROSSARM1	PX	-.000366	-.000366	0	0
62	CORN3	PX	-5.5e-5	-5.5e-5	0	0
63	CORN2	PX	-5.5e-5	-5.5e-5	0	0
64	CORN1	PX	-5.5e-5	-5.5e-5	0	0
65	C PL6	PX	-5.5e-5	-5.5e-5	0	0
66	C PL5	PX	-5.5e-5	-5.5e-5	0	0
67	C PL4	PX	-5.5e-5	-5.5e-5	0	0
68	C PL3	PX	-5.5e-5	-5.5e-5	0	0
69	C PL2	PX	-5.5e-5	-5.5e-5	0	0
70	C PL1	PX	-5.5e-5	-5.5e-5	0	0
71	MP ALPHA1	PY	.000539	.000539	0	0
72	MP ALPHA1	PX	-.000311	-.000311	0	0
73	MP GAMMA3	PY	.000539	.000539	0	0
74	MP GAMMA3	PX	-.000311	-.000311	0	0
75	MP GAMMA2	PY	.000539	.000539	0	0
76	MP GAMMA2	PX	-.000311	-.000311	0	0
77	MP GAMMA1	PY	.000539	.000539	0	0
78	MP GAMMA1	PX	-.000311	-.000311	0	0
79	MP BETA3	PY	.000539	.000539	0	0
80	MP BETA3	PX	-.000311	-.000311	0	0
81	MP BETA2	PY	.000539	.000539	0	0
82	MP BETA2	PX	-.000311	-.000311	0	0
83	MP BETA1	PY	.000539	.000539	0	0
84	MP BETA1	PX	-.000311	-.000311	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	.000585	.000585	0	0
2	SUPPORT5	PY	.000585	.000585	0	0
3	SUPPORT4	PY	.000585	.000585	0	0
4	SUPPORT3	PY	.000585	.000585	0	0
5	SUPPORT2	PY	.000585	.000585	0	0
6	SUPPORT1	PY	.000585	.000585	0	0
7	SO3	PY	.000731	.000731	0	0
8	SO2	PY	.000731	.000731	0	0
9	SO1	PY	.000731	.000731	0	0
10	SM PL6	PY	.00011	.00011	0	0
11	SM PL5	PY	.00011	.00011	0	0
12	SM PL4	PY	.00011	.00011	0	0
13	SM PL3	PY	.00011	.00011	0	0
14	SM PL2	PY	.00011	.00011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
15	SM PL1	PY	.00011	.00011	0	0
16	MP ALPHA3	PY	.000622	.000622	0	0
17	MP ALPHA2	PY	.000622	.000622	0	0
18	FACE3	PY	.000614	.000614	0	0
19	FACE2	PY	.000614	.000614	0	0
20	FACE1	PY	.000614	.000614	0	0
21	CROSSARM6	PY	.000731	.000731	0	0
22	CROSSARM5	PY	.000731	.000731	0	0
23	CROSSARM4	PY	.000731	.000731	0	0
24	CROSSARM3	PY	.000731	.000731	0	0
25	CROSSARM2	PY	.000731	.000731	0	0
26	CROSSARM1	PY	.000731	.000731	0	0
27	CORN3	PY	.00011	.00011	0	0
28	CORN2	PY	.00011	.00011	0	0
29	CORN1	PY	.00011	.00011	0	0
30	C PL6	PY	.00011	.00011	0	0
31	C PL5	PY	.00011	.00011	0	0
32	C PL4	PY	.00011	.00011	0	0
33	C PL3	PY	.00011	.00011	0	0
34	C PL2	PY	.00011	.00011	0	0
35	C PL1	PY	.00011	.00011	0	0
36	MP ALPHA1	PY	.000622	.000622	0	0
37	MP GAMMA3	PY	.000622	.000622	0	0
38	MP GAMMA2	PY	.000622	.000622	0	0
39	MP GAMMA1	PY	.000622	.000622	0	0
40	MP BETA3	PY	.000622	.000622	0	0
41	MP BETA2	PY	.000622	.000622	0	0
42	MP BETA1	PY	.000622	.000622	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	.000507	.000507	0	0
2	SUPPORT5	PY	.000507	.000507	0	0
3	SUPPORT4	PY	.000507	.000507	0	0
4	SUPPORT3	PY	.000507	.000507	0	0
5	SUPPORT2	PY	.000507	.000507	0	0
6	SUPPORT1	PY	.000507	.000507	0	0
7	SO3	PY	.000633	.000633	0	0
8	SO2	PY	.000633	.000633	0	0
9	SO1	PY	.000633	.000633	0	0
10	SM PL6	PY	9.5e-5	9.5e-5	0	0
11	SM PL5	PY	9.5e-5	9.5e-5	0	0
12	SM PL4	PY	9.5e-5	9.5e-5	0	0
13	SM PL3	PY	9.5e-5	9.5e-5	0	0
14	SM PL2	PY	9.5e-5	9.5e-5	0	0
15	SM PL1	PY	9.5e-5	9.5e-5	0	0
16	MP ALPHA3	PY	.000539	.000539	0	0
17	MP ALPHA2	PY	.000539	.000539	0	0
18	FACE3	PY	.000532	.000532	0	0
19	FACE2	PY	.000532	.000532	0	0
20	FACE1	PY	.000532	.000532	0	0
21	CROSSARM6	PY	.000633	.000633	0	0
22	CROSSARM5	PY	.000633	.000633	0	0
23	CROSSARM4	PY	.000633	.000633	0	0
24	CROSSARM3	PY	.000633	.000633	0	0
25	CROSSARM2	PY	.000633	.000633	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
26	CROSSARM1	PY	.000633	.000633	0	0
27	CORN3	PY	9.5e-5	9.5e-5	0	0
28	CORN2	PY	9.5e-5	9.5e-5	0	0
29	CORN1	PY	9.5e-5	9.5e-5	0	0
30	C PL6	PY	9.5e-5	9.5e-5	0	0
31	C PL5	PY	9.5e-5	9.5e-5	0	0
32	C PL4	PY	9.5e-5	9.5e-5	0	0
33	C PL3	PY	9.5e-5	9.5e-5	0	0
34	C PL2	PY	9.5e-5	9.5e-5	0	0
35	C PL1	PY	9.5e-5	9.5e-5	0	0
36	SUPPORT6	PX	.000293	.000293	0	0
37	SUPPORT5	PX	.000293	.000293	0	0
38	SUPPORT4	PX	.000293	.000293	0	0
39	SUPPORT3	PX	.000293	.000293	0	0
40	SUPPORT2	PX	.000293	.000293	0	0
41	SUPPORT1	PX	.000293	.000293	0	0
42	SO3	PX	.000366	.000366	0	0
43	SO2	PX	.000366	.000366	0	0
44	SO1	PX	.000366	.000366	0	0
45	SM PL6	PX	5.5e-5	5.5e-5	0	0
46	SM PL5	PX	5.5e-5	5.5e-5	0	0
47	SM PL4	PX	5.5e-5	5.5e-5	0	0
48	SM PL3	PX	5.5e-5	5.5e-5	0	0
49	SM PL2	PX	5.5e-5	5.5e-5	0	0
50	SM PL1	PX	5.5e-5	5.5e-5	0	0
51	MP ALPHA3	PX	.000311	.000311	0	0
52	MP ALPHA2	PX	.000311	.000311	0	0
53	FACE3	PX	.000307	.000307	0	0
54	FACE2	PX	.000307	.000307	0	0
55	FACE1	PX	.000307	.000307	0	0
56	CROSSARM6	PX	.000366	.000366	0	0
57	CROSSARM5	PX	.000366	.000366	0	0
58	CROSSARM4	PX	.000366	.000366	0	0
59	CROSSARM3	PX	.000366	.000366	0	0
60	CROSSARM2	PX	.000366	.000366	0	0
61	CROSSARM1	PX	.000366	.000366	0	0
62	CORN3	PX	5.5e-5	5.5e-5	0	0
63	CORN2	PX	5.5e-5	5.5e-5	0	0
64	CORN1	PX	5.5e-5	5.5e-5	0	0
65	C PL6	PX	5.5e-5	5.5e-5	0	0
66	C PL5	PX	5.5e-5	5.5e-5	0	0
67	C PL4	PX	5.5e-5	5.5e-5	0	0
68	C PL3	PX	5.5e-5	5.5e-5	0	0
69	C PL2	PX	5.5e-5	5.5e-5	0	0
70	C PL1	PX	5.5e-5	5.5e-5	0	0
71	MP ALPHA1	PY	.000539	.000539	0	0
72	MP ALPHA1	PX	.000311	.000311	0	0
73	MP GAMMA3	PY	.000539	.000539	0	0
74	MP GAMMA3	PX	.000311	.000311	0	0
75	MP GAMMA2	PY	.000539	.000539	0	0
76	MP GAMMA2	PX	.000311	.000311	0	0
77	MP GAMMA1	PY	.000539	.000539	0	0
78	MP GAMMA1	PX	.000311	.000311	0	0
79	MP BETA3	PY	.000539	.000539	0	0
80	MP BETA3	PX	.000311	.000311	0	0
81	MP BETA2	PY	.000539	.000539	0	0
82	MP BETA2	PX	.000311	.000311	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
83	MP BETA1	PY	.000539	.000539	0	0
84	MP BETA1	PX	.000311	.000311	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	.000293	.000293	0	0
2	SUPPORT5	PY	.000293	.000293	0	0
3	SUPPORT4	PY	.000293	.000293	0	0
4	SUPPORT3	PY	.000293	.000293	0	0
5	SUPPORT2	PY	.000293	.000293	0	0
6	SUPPORT1	PY	.000293	.000293	0	0
7	SO3	PY	.000366	.000366	0	0
8	SO2	PY	.000366	.000366	0	0
9	SO1	PY	.000366	.000366	0	0
10	SM PL6	PY	5.5e-5	5.5e-5	0	0
11	SM PL5	PY	5.5e-5	5.5e-5	0	0
12	SM PL4	PY	5.5e-5	5.5e-5	0	0
13	SM PL3	PY	5.5e-5	5.5e-5	0	0
14	SM PL2	PY	5.5e-5	5.5e-5	0	0
15	SM PL1	PY	5.5e-5	5.5e-5	0	0
16	MP ALPHA3	PY	.000311	.000311	0	0
17	MP ALPHA2	PY	.000311	.000311	0	0
18	FACE3	PY	.000307	.000307	0	0
19	FACE2	PY	.000307	.000307	0	0
20	FACE1	PY	.000307	.000307	0	0
21	CROSSARM6	PY	.000366	.000366	0	0
22	CROSSARM5	PY	.000366	.000366	0	0
23	CROSSARM4	PY	.000366	.000366	0	0
24	CROSSARM3	PY	.000366	.000366	0	0
25	CROSSARM2	PY	.000366	.000366	0	0
26	CROSSARM1	PY	.000366	.000366	0	0
27	CORN3	PY	5.5e-5	5.5e-5	0	0
28	CORN2	PY	5.5e-5	5.5e-5	0	0
29	CORN1	PY	5.5e-5	5.5e-5	0	0
30	C PL6	PY	5.5e-5	5.5e-5	0	0
31	C PL5	PY	5.5e-5	5.5e-5	0	0
32	C PL4	PY	5.5e-5	5.5e-5	0	0
33	C PL3	PY	5.5e-5	5.5e-5	0	0
34	C PL2	PY	5.5e-5	5.5e-5	0	0
35	C PL1	PY	5.5e-5	5.5e-5	0	0
36	SUPPORT6	PX	.000507	.000507	0	0
37	SUPPORT5	PX	.000507	.000507	0	0
38	SUPPORT4	PX	.000507	.000507	0	0
39	SUPPORT3	PX	.000507	.000507	0	0
40	SUPPORT2	PX	.000507	.000507	0	0
41	SUPPORT1	PX	.000507	.000507	0	0
42	SO3	PX	.000633	.000633	0	0
43	SO2	PX	.000633	.000633	0	0
44	SO1	PX	.000633	.000633	0	0
45	SM PL6	PX	9.5e-5	9.5e-5	0	0
46	SM PL5	PX	9.5e-5	9.5e-5	0	0
47	SM PL4	PX	9.5e-5	9.5e-5	0	0
48	SM PL3	PX	9.5e-5	9.5e-5	0	0
49	SM PL2	PX	9.5e-5	9.5e-5	0	0
50	SM PL1	PX	9.5e-5	9.5e-5	0	0
51	MP ALPHA3	PX	.000539	.000539	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
52	MP ALPHA2	PX	.000539	.000539	0	0
53	FACE3	PX	.000532	.000532	0	0
54	FACE2	PX	.000532	.000532	0	0
55	FACE1	PX	.000532	.000532	0	0
56	CROSSARM6	PX	.000633	.000633	0	0
57	CROSSARM5	PX	.000633	.000633	0	0
58	CROSSARM4	PX	.000633	.000633	0	0
59	CROSSARM3	PX	.000633	.000633	0	0
60	CROSSARM2	PX	.000633	.000633	0	0
61	CROSSARM1	PX	.000633	.000633	0	0
62	CORN3	PX	9.5e-5	9.5e-5	0	0
63	CORN2	PX	9.5e-5	9.5e-5	0	0
64	CORN1	PX	9.5e-5	9.5e-5	0	0
65	C PL6	PX	9.5e-5	9.5e-5	0	0
66	C PL5	PX	9.5e-5	9.5e-5	0	0
67	C PL4	PX	9.5e-5	9.5e-5	0	0
68	C PL3	PX	9.5e-5	9.5e-5	0	0
69	C PL2	PX	9.5e-5	9.5e-5	0	0
70	C PL1	PX	9.5e-5	9.5e-5	0	0
71	MP ALPHA1	PY	.000311	.000311	0	0
72	MP ALPHA1	PX	.000539	.000539	0	0
73	MP GAMMA3	PY	.000311	.000311	0	0
74	MP GAMMA3	PX	.000539	.000539	0	0
75	MP GAMMA2	PY	.000311	.000311	0	0
76	MP GAMMA2	PX	.000539	.000539	0	0
77	MP GAMMA1	PY	.000311	.000311	0	0
78	MP GAMMA1	PX	.000539	.000539	0	0
79	MP BETA3	PY	.000311	.000311	0	0
80	MP BETA3	PX	.000539	.000539	0	0
81	MP BETA2	PY	.000311	.000311	0	0
82	MP BETA2	PX	.000539	.000539	0	0
83	MP BETA1	PY	.000311	.000311	0	0
84	MP BETA1	PX	.000539	.000539	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PX	.000585	.000585	0	0
2	SUPPORT5	PX	.000585	.000585	0	0
3	SUPPORT4	PX	.000585	.000585	0	0
4	SUPPORT3	PX	.000585	.000585	0	0
5	SUPPORT2	PX	.000585	.000585	0	0
6	SUPPORT1	PX	.000585	.000585	0	0
7	SO3	PX	.000731	.000731	0	0
8	SO2	PX	.000731	.000731	0	0
9	SO1	PX	.000731	.000731	0	0
10	SM PL6	PX	.00011	.00011	0	0
11	SM PL5	PX	.00011	.00011	0	0
12	SM PL4	PX	.00011	.00011	0	0
13	SM PL3	PX	.00011	.00011	0	0
14	SM PL2	PX	.00011	.00011	0	0
15	SM PL1	PX	.00011	.00011	0	0
16	MP ALPHA3	PX	.000622	.000622	0	0
17	MP ALPHA2	PX	.000622	.000622	0	0
18	FACE3	PX	.000614	.000614	0	0
19	FACE2	PX	.000614	.000614	0	0
20	FACE1	PX	.000614	.000614	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
21	CROSSARM6	PX	.000731	.000731	0	0
22	CROSSARM5	PX	.000731	.000731	0	0
23	CROSSARM4	PX	.000731	.000731	0	0
24	CROSSARM3	PX	.000731	.000731	0	0
25	CROSSARM2	PX	.000731	.000731	0	0
26	CROSSARM1	PX	.000731	.000731	0	0
27	CORN3	PX	.00011	.00011	0	0
28	CORN2	PX	.00011	.00011	0	0
29	CORN1	PX	.00011	.00011	0	0
30	C PL6	PX	.00011	.00011	0	0
31	C PL5	PX	.00011	.00011	0	0
32	C PL4	PX	.00011	.00011	0	0
33	C PL3	PX	.00011	.00011	0	0
34	C PL2	PX	.00011	.00011	0	0
35	C PL1	PX	.00011	.00011	0	0
36	MP ALPHA1	PX	.000622	.000622	0	0
37	MP GAMMA3	PX	.000622	.000622	0	0
38	MP GAMMA2	PX	.000622	.000622	0	0
39	MP GAMMA1	PX	.000622	.000622	0	0
40	MP BETA3	PX	.000622	.000622	0	0
41	MP BETA2	PX	.000622	.000622	0	0
42	MP BETA1	PX	.000622	.000622	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	-.000293	-.000293	0	0
2	SUPPORT5	PY	-.000293	-.000293	0	0
3	SUPPORT4	PY	-.000293	-.000293	0	0
4	SUPPORT3	PY	-.000293	-.000293	0	0
5	SUPPORT2	PY	-.000293	-.000293	0	0
6	SUPPORT1	PY	-.000293	-.000293	0	0
7	SO3	PY	-.000366	-.000366	0	0
8	SO2	PY	-.000366	-.000366	0	0
9	SO1	PY	-.000366	-.000366	0	0
10	SM PL6	PY	-5.5e-5	-5.5e-5	0	0
11	SM PL5	PY	-5.5e-5	-5.5e-5	0	0
12	SM PL4	PY	-5.5e-5	-5.5e-5	0	0
13	SM PL3	PY	-5.5e-5	-5.5e-5	0	0
14	SM PL2	PY	-5.5e-5	-5.5e-5	0	0
15	SM PL1	PY	-5.5e-5	-5.5e-5	0	0
16	MP ALPHA3	PY	-.000311	-.000311	0	0
17	MP ALPHA2	PY	-.000311	-.000311	0	0
18	FACE3	PY	-.000307	-.000307	0	0
19	FACE2	PY	-.000307	-.000307	0	0
20	FACE1	PY	-.000307	-.000307	0	0
21	CROSSARM6	PY	-.000366	-.000366	0	0
22	CROSSARM5	PY	-.000366	-.000366	0	0
23	CROSSARM4	PY	-.000366	-.000366	0	0
24	CROSSARM3	PY	-.000366	-.000366	0	0
25	CROSSARM2	PY	-.000366	-.000366	0	0
26	CROSSARM1	PY	-.000366	-.000366	0	0
27	CORN3	PY	-5.5e-5	-5.5e-5	0	0
28	CORN2	PY	-5.5e-5	-5.5e-5	0	0
29	CORN1	PY	-5.5e-5	-5.5e-5	0	0
30	C PL6	PY	-5.5e-5	-5.5e-5	0	0
31	C PL5	PY	-5.5e-5	-5.5e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
32	C PL4	PY	-5.5e-5	-5.5e-5	0	0
33	C PL3	PY	-5.5e-5	-5.5e-5	0	0
34	C PL2	PY	-5.5e-5	-5.5e-5	0	0
35	C PL1	PY	-5.5e-5	-5.5e-5	0	0
36	SUPPORT6	PX	.000507	.000507	0	0
37	SUPPORT5	PX	.000507	.000507	0	0
38	SUPPORT4	PX	.000507	.000507	0	0
39	SUPPORT3	PX	.000507	.000507	0	0
40	SUPPORT2	PX	.000507	.000507	0	0
41	SUPPORT1	PX	.000507	.000507	0	0
42	SO3	PX	.000633	.000633	0	0
43	SO2	PX	.000633	.000633	0	0
44	SO1	PX	.000633	.000633	0	0
45	SM PL6	PX	9.5e-5	9.5e-5	0	0
46	SM PL5	PX	9.5e-5	9.5e-5	0	0
47	SM PL4	PX	9.5e-5	9.5e-5	0	0
48	SM PL3	PX	9.5e-5	9.5e-5	0	0
49	SM PL2	PX	9.5e-5	9.5e-5	0	0
50	SM PL1	PX	9.5e-5	9.5e-5	0	0
51	MP ALPHA3	PX	.000539	.000539	0	0
52	MP ALPHA2	PX	.000539	.000539	0	0
53	FACE3	PX	.000532	.000532	0	0
54	FACE2	PX	.000532	.000532	0	0
55	FACE1	PX	.000532	.000532	0	0
56	CROSSARM6	PX	.000633	.000633	0	0
57	CROSSARM5	PX	.000633	.000633	0	0
58	CROSSARM4	PX	.000633	.000633	0	0
59	CROSSARM3	PX	.000633	.000633	0	0
60	CROSSARM2	PX	.000633	.000633	0	0
61	CROSSARM1	PX	.000633	.000633	0	0
62	CORN3	PX	9.5e-5	9.5e-5	0	0
63	CORN2	PX	9.5e-5	9.5e-5	0	0
64	CORN1	PX	9.5e-5	9.5e-5	0	0
65	C PL6	PX	9.5e-5	9.5e-5	0	0
66	C PL5	PX	9.5e-5	9.5e-5	0	0
67	C PL4	PX	9.5e-5	9.5e-5	0	0
68	C PL3	PX	9.5e-5	9.5e-5	0	0
69	C PL2	PX	9.5e-5	9.5e-5	0	0
70	C PL1	PX	9.5e-5	9.5e-5	0	0
71	MP ALPHA1	PY	-.000311	-.000311	0	0
72	MP ALPHA1	PX	.000539	.000539	0	0
73	MP GAMMA3	PY	-.000311	-.000311	0	0
74	MP GAMMA3	PX	.000539	.000539	0	0
75	MP GAMMA2	PY	-.000311	-.000311	0	0
76	MP GAMMA2	PX	.000539	.000539	0	0
77	MP GAMMA1	PY	-.000311	-.000311	0	0
78	MP GAMMA1	PX	.000539	.000539	0	0
79	MP BETA3	PY	-.000311	-.000311	0	0
80	MP BETA3	PX	.000539	.000539	0	0
81	MP BETA2	PY	-.000311	-.000311	0	0
82	MP BETA2	PX	.000539	.000539	0	0
83	MP BETA1	PY	-.000311	-.000311	0	0
84	MP BETA1	PX	.000539	.000539	0	0

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

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

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT6	PY	-.000507	-.000507	0	0
2	SUPPORT5	PY	-.000507	-.000507	0	0
3	SUPPORT4	PY	-.000507	-.000507	0	0
4	SUPPORT3	PY	-.000507	-.000507	0	0
5	SUPPORT2	PY	-.000507	-.000507	0	0
6	SUPPORT1	PY	-.000507	-.000507	0	0
7	SO3	PY	-.000633	-.000633	0	0
8	SO2	PY	-.000633	-.000633	0	0
9	SO1	PY	-.000633	-.000633	0	0
10	SM PL6	PY	-9.5e-5	-9.5e-5	0	0
11	SM PL5	PY	-9.5e-5	-9.5e-5	0	0
12	SM PL4	PY	-9.5e-5	-9.5e-5	0	0
13	SM PL3	PY	-9.5e-5	-9.5e-5	0	0
14	SM PL2	PY	-9.5e-5	-9.5e-5	0	0
15	SM PL1	PY	-9.5e-5	-9.5e-5	0	0
16	MP ALPHA3	PY	-.000539	-.000539	0	0
17	MP ALPHA2	PY	-.000539	-.000539	0	0
18	FACE3	PY	-.000532	-.000532	0	0
19	FACE2	PY	-.000532	-.000532	0	0
20	FACE1	PY	-.000532	-.000532	0	0
21	CROSSARM6	PY	-.000633	-.000633	0	0
22	CROSSARM5	PY	-.000633	-.000633	0	0
23	CROSSARM4	PY	-.000633	-.000633	0	0
24	CROSSARM3	PY	-.000633	-.000633	0	0
25	CROSSARM2	PY	-.000633	-.000633	0	0
26	CROSSARM1	PY	-.000633	-.000633	0	0
27	CORN3	PY	-9.5e-5	-9.5e-5	0	0
28	CORN2	PY	-9.5e-5	-9.5e-5	0	0
29	CORN1	PY	-9.5e-5	-9.5e-5	0	0
30	C PL6	PY	-9.5e-5	-9.5e-5	0	0
31	C PL5	PY	-9.5e-5	-9.5e-5	0	0
32	C PL4	PY	-9.5e-5	-9.5e-5	0	0
33	C PL3	PY	-9.5e-5	-9.5e-5	0	0
34	C PL2	PY	-9.5e-5	-9.5e-5	0	0
35	C PL1	PY	-9.5e-5	-9.5e-5	0	0
36	SUPPORT6	PX	.000293	.000293	0	0
37	SUPPORT5	PX	.000293	.000293	0	0
38	SUPPORT4	PX	.000293	.000293	0	0
39	SUPPORT3	PX	.000293	.000293	0	0
40	SUPPORT2	PX	.000293	.000293	0	0
41	SUPPORT1	PX	.000293	.000293	0	0
42	SO3	PX	.000366	.000366	0	0
43	SO2	PX	.000366	.000366	0	0
44	SO1	PX	.000366	.000366	0	0
45	SM PL6	PX	5.5e-5	5.5e-5	0	0
46	SM PL5	PX	5.5e-5	5.5e-5	0	0
47	SM PL4	PX	5.5e-5	5.5e-5	0	0
48	SM PL3	PX	5.5e-5	5.5e-5	0	0
49	SM PL2	PX	5.5e-5	5.5e-5	0	0
50	SM PL1	PX	5.5e-5	5.5e-5	0	0
51	MP ALPHA3	PX	.000311	.000311	0	0
52	MP ALPHA2	PX	.000311	.000311	0	0
53	FACE3	PX	.000307	.000307	0	0
54	FACE2	PX	.000307	.000307	0	0
55	FACE1	PX	.000307	.000307	0	0
56	CROSSARM6	PX	.000366	.000366	0	0
57	CROSSARM5	PX	.000366	.000366	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
58	CROSSARM4	PX	.000366	.000366	0	0
59	CROSSARM3	PX	.000366	.000366	0	0
60	CROSSARM2	PX	.000366	.000366	0	0
61	CROSSARM1	PX	.000366	.000366	0	0
62	CORN3	PX	5.5e-5	5.5e-5	0	0
63	CORN2	PX	5.5e-5	5.5e-5	0	0
64	CORN1	PX	5.5e-5	5.5e-5	0	0
65	C PL6	PX	5.5e-5	5.5e-5	0	0
66	C PL5	PX	5.5e-5	5.5e-5	0	0
67	C PL4	PX	5.5e-5	5.5e-5	0	0
68	C PL3	PX	5.5e-5	5.5e-5	0	0
69	C PL2	PX	5.5e-5	5.5e-5	0	0
70	C PL1	PX	5.5e-5	5.5e-5	0	0
71	MP ALPHA1	PY	-.000539	-.000539	0	0
72	MP ALPHA1	PX	.000311	.000311	0	0
73	MP GAMMA3	PY	-.000539	-.000539	0	0
74	MP GAMMA3	PX	.000311	.000311	0	0
75	MP GAMMA2	PY	-.000539	-.000539	0	0
76	MP GAMMA2	PX	.000311	.000311	0	0
77	MP GAMMA1	PY	-.000539	-.000539	0	0
78	MP GAMMA1	PX	.000311	.000311	0	0
79	MP BETA3	PY	-.000539	-.000539	0	0
80	MP BETA3	PX	.000311	.000311	0	0
81	MP BETA2	PY	-.000539	-.000539	0	0
82	MP BETA2	PX	.000311	.000311	0	0
83	MP BETA1	PY	-.000539	-.000539	0	0
84	MP BETA1	PX	.000311	.000311	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	SUPPORT6	Z	-.006	-.006	0	0
2	SUPPORT5	Z	-.006	-.006	0	0
3	SUPPORT4	Z	-.006	-.006	0	0
4	SUPPORT3	Z	-.006	-.006	0	0
5	SUPPORT2	Z	-.006	-.006	0	0
6	SUPPORT1	Z	-.006	-.006	0	0
7	SO3	Z	-.009	-.009	0	0
8	SO2	Z	-.009	-.009	0	0
9	SO1	Z	-.009	-.009	0	0
10	SM PL6	Z	-.008	-.008	0	0
11	SM PL5	Z	-.008	-.008	0	0
12	SM PL4	Z	-.008	-.008	0	0
13	SM PL3	Z	-.008	-.008	0	0
14	SM PL2	Z	-.008	-.008	0	0
15	SM PL1	Z	-.008	-.008	0	0
16	MP ALPHA3	Z	-.005	-.005	0	0
17	MP ALPHA2	Z	-.005	-.005	0	0
18	FACE3	Z	-.007	-.007	0	0
19	FACE2	Z	-.007	-.007	0	0
20	FACE1	Z	-.007	-.007	0	0
21	CROSSARM6	Z	-.009	-.009	0	0
22	CROSSARM5	Z	-.009	-.009	0	0
23	CROSSARM4	Z	-.009	-.009	0	0
24	CROSSARM3	Z	-.009	-.009	0	0
25	CROSSARM2	Z	-.009	-.009	0	0
26	CROSSARM1	Z	-.009	-.009	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,%]
27	CORN3	Z	-.008	-.008	0	0
28	CORN2	Z	-.008	-.008	0	0
29	CORN1	Z	-.008	-.008	0	0
30	C PL6	Z	-.008	-.008	0	0
31	C PL5	Z	-.008	-.008	0	0
32	C PL4	Z	-.008	-.008	0	0
33	C PL3	Z	-.008	-.008	0	0
34	C PL2	Z	-.008	-.008	0	0
35	C PL1	Z	-.008	-.008	0	0
36	MP ALPHA1	Z	-.005	-.005	0	0
37	MP GAMMA3	Z	-.005	-.005	0	0
38	MP GAMMA2	Z	-.005	-.005	0	0
39	MP GAMMA1	Z	-.005	-.005	0	0
40	MP BETA3	Z	-.005	-.005	0	0
41	MP BETA2	Z	-.005	-.005	0	0
42	MP BETA1	Z	-.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	SUPPORT6	PY	-.003	-.003	0	0
2	SUPPORT5	PY	-.003	-.003	0	0
3	SUPPORT4	PY	-.003	-.003	0	0
4	SUPPORT3	PY	-.003	-.003	0	0
5	SUPPORT2	PY	-.003	-.003	0	0
6	SUPPORT1	PY	-.003	-.003	0	0
7	SO3	PY	-.003	-.003	0	0
8	SO2	PY	-.003	-.003	0	0
9	SO1	PY	-.003	-.003	0	0
10	SM PL6	PY	-.002	-.002	0	0
11	SM PL5	PY	-.002	-.002	0	0
12	SM PL4	PY	-.002	-.002	0	0
13	SM PL3	PY	-.002	-.002	0	0
14	SM PL2	PY	-.002	-.002	0	0
15	SM PL1	PY	-.002	-.002	0	0
16	MP ALPHA3	PY	-.003	-.003	0	0
17	MP ALPHA2	PY	-.003	-.003	0	0
18	FACE3	PY	-.003	-.003	0	0
19	FACE2	PY	-.003	-.003	0	0
20	FACE1	PY	-.003	-.003	0	0
21	CROSSARM6	PY	-.003	-.003	0	0
22	CROSSARM5	PY	-.003	-.003	0	0
23	CROSSARM4	PY	-.003	-.003	0	0
24	CROSSARM3	PY	-.003	-.003	0	0
25	CROSSARM2	PY	-.003	-.003	0	0
26	CROSSARM1	PY	-.003	-.003	0	0
27	CORN3	PY	-.002	-.002	0	0
28	CORN2	PY	-.002	-.002	0	0
29	CORN1	PY	-.002	-.002	0	0
30	C PL6	PY	-.002	-.002	0	0
31	C PL5	PY	-.002	-.002	0	0
32	C PL4	PY	-.002	-.002	0	0
33	C PL3	PY	-.002	-.002	0	0
34	C PL2	PY	-.002	-.002	0	0
35	C PL1	PY	-.002	-.002	0	0
36	MP ALPHA1	PY	-.003	-.003	0	0
37	MP GAMMA3	PY	-.003	-.003	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,%]
38	MP GAMMA2	PY	-.003	-.003	0	0
39	MP GAMMA1	PY	-.003	-.003	0	0
40	MP BETA3	PY	-.003	-.003	0	0
41	MP BETA2	PY	-.003	-.003	0	0
42	MP BETA1	PY	-.003	-.003	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	SUPPORT6	PY	-.003	-.003	0	0
2	SUPPORT5	PY	-.003	-.003	0	0
3	SUPPORT4	PY	-.003	-.003	0	0
4	SUPPORT3	PY	-.003	-.003	0	0
5	SUPPORT2	PY	-.003	-.003	0	0
6	SUPPORT1	PY	-.003	-.003	0	0
7	SO3	PY	-.003	-.003	0	0
8	SO2	PY	-.003	-.003	0	0
9	SO1	PY	-.003	-.003	0	0
10	SM PL6	PY	-.002	-.002	0	0
11	SM PL5	PY	-.002	-.002	0	0
12	SM PL4	PY	-.002	-.002	0	0
13	SM PL3	PY	-.002	-.002	0	0
14	SM PL2	PY	-.002	-.002	0	0
15	SM PL1	PY	-.002	-.002	0	0
16	MP ALPHA3	PY	-.003	-.003	0	0
17	MP ALPHA2	PY	-.003	-.003	0	0
18	FACE3	PY	-.002	-.002	0	0
19	FACE2	PY	-.002	-.002	0	0
20	FACE1	PY	-.002	-.002	0	0
21	CROSSARM6	PY	-.003	-.003	0	0
22	CROSSARM5	PY	-.003	-.003	0	0
23	CROSSARM4	PY	-.003	-.003	0	0
24	CROSSARM3	PY	-.003	-.003	0	0
25	CROSSARM2	PY	-.003	-.003	0	0
26	CROSSARM1	PY	-.003	-.003	0	0
27	CORN3	PY	-.002	-.002	0	0
28	CORN2	PY	-.002	-.002	0	0
29	CORN1	PY	-.002	-.002	0	0
30	C PL6	PY	-.002	-.002	0	0
31	C PL5	PY	-.002	-.002	0	0
32	C PL4	PY	-.002	-.002	0	0
33	C PL3	PY	-.002	-.002	0	0
34	C PL2	PY	-.002	-.002	0	0
35	C PL1	PY	-.002	-.002	0	0
36	SUPPORT6	PX	-.002	-.002	0	0
37	SUPPORT5	PX	-.002	-.002	0	0
38	SUPPORT4	PX	-.002	-.002	0	0
39	SUPPORT3	PX	-.002	-.002	0	0
40	SUPPORT2	PX	-.002	-.002	0	0
41	SUPPORT1	PX	-.002	-.002	0	0
42	SO3	PX	-.002	-.002	0	0
43	SO2	PX	-.002	-.002	0	0
44	SO1	PX	-.002	-.002	0	0
45	SM PL6	PX	-.001	-.001	0	0
46	SM PL5	PX	-.001	-.001	0	0
47	SM PL4	PX	-.001	-.001	0	0
48	SM PL3	PX	-.001	-.001	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,%]
49	SM PL2	PX	-.001	-.001	0	0
50	SM PL1	PX	-.001	-.001	0	0
51	MP ALPHA3	PX	-.002	-.002	0	0
52	MP ALPHA2	PX	-.002	-.002	0	0
53	FACE3	PX	-.001	-.001	0	0
54	FACE2	PX	-.001	-.001	0	0
55	FACE1	PX	-.001	-.001	0	0
56	CROSSARM6	PX	-.002	-.002	0	0
57	CROSSARM5	PX	-.002	-.002	0	0
58	CROSSARM4	PX	-.002	-.002	0	0
59	CROSSARM3	PX	-.002	-.002	0	0
60	CROSSARM2	PX	-.002	-.002	0	0
61	CROSSARM1	PX	-.002	-.002	0	0
62	CORN3	PX	-.001	-.001	0	0
63	CORN2	PX	-.001	-.001	0	0
64	CORN1	PX	-.001	-.001	0	0
65	C PL6	PX	-.001	-.001	0	0
66	C PL5	PX	-.001	-.001	0	0
67	C PL4	PX	-.001	-.001	0	0
68	C PL3	PX	-.001	-.001	0	0
69	C PL2	PX	-.001	-.001	0	0
70	C PL1	PX	-.001	-.001	0	0
71	MP ALPHA1	PY	-.003	-.003	0	0
72	MP ALPHA1	PX	-.002	-.002	0	0
73	MP GAMMA3	PY	-.003	-.003	0	0
74	MP GAMMA3	PX	-.002	-.002	0	0
75	MP GAMMA2	PY	-.003	-.003	0	0
76	MP GAMMA2	PX	-.002	-.002	0	0
77	MP GAMMA1	PY	-.003	-.003	0	0
78	MP GAMMA1	PX	-.002	-.002	0	0
79	MP BETA3	PY	-.003	-.003	0	0
80	MP BETA3	PX	-.002	-.002	0	0
81	MP BETA2	PY	-.003	-.003	0	0
82	MP BETA2	PX	-.002	-.002	0	0
83	MP BETA1	PY	-.003	-.003	0	0
84	MP BETA1	PX	-.002	-.002	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	SUPPORT6	PY	-.002	-.002	0	0
2	SUPPORT5	PY	-.002	-.002	0	0
3	SUPPORT4	PY	-.002	-.002	0	0
4	SUPPORT3	PY	-.002	-.002	0	0
5	SUPPORT2	PY	-.002	-.002	0	0
6	SUPPORT1	PY	-.002	-.002	0	0
7	SO3	PY	-.002	-.002	0	0
8	SO2	PY	-.002	-.002	0	0
9	SO1	PY	-.002	-.002	0	0
10	SM PL6	PY	-.001	-.001	0	0
11	SM PL5	PY	-.001	-.001	0	0
12	SM PL4	PY	-.001	-.001	0	0
13	SM PL3	PY	-.001	-.001	0	0
14	SM PL2	PY	-.001	-.001	0	0
15	SM PL1	PY	-.001	-.001	0	0
16	MP ALPHA3	PY	-.002	-.002	0	0
17	MP ALPHA2	PY	-.002	-.002	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,%]
18	FACE3	PY	-.001	-.001	0	0
19	FACE2	PY	-.001	-.001	0	0
20	FACE1	PY	-.001	-.001	0	0
21	CROSSARM6	PY	-.002	-.002	0	0
22	CROSSARM5	PY	-.002	-.002	0	0
23	CROSSARM4	PY	-.002	-.002	0	0
24	CROSSARM3	PY	-.002	-.002	0	0
25	CROSSARM2	PY	-.002	-.002	0	0
26	CROSSARM1	PY	-.002	-.002	0	0
27	CORN3	PY	-.001	-.001	0	0
28	CORN2	PY	-.001	-.001	0	0
29	CORN1	PY	-.001	-.001	0	0
30	C PL6	PY	-.001	-.001	0	0
31	C PL5	PY	-.001	-.001	0	0
32	C PL4	PY	-.001	-.001	0	0
33	C PL3	PY	-.001	-.001	0	0
34	C PL2	PY	-.001	-.001	0	0
35	C PL1	PY	-.001	-.001	0	0
36	SUPPORT6	PX	-.003	-.003	0	0
37	SUPPORT5	PX	-.003	-.003	0	0
38	SUPPORT4	PX	-.003	-.003	0	0
39	SUPPORT3	PX	-.003	-.003	0	0
40	SUPPORT2	PX	-.003	-.003	0	0
41	SUPPORT1	PX	-.003	-.003	0	0
42	SO3	PX	-.003	-.003	0	0
43	SO2	PX	-.003	-.003	0	0
44	SO1	PX	-.003	-.003	0	0
45	SM PL6	PX	-.002	-.002	0	0
46	SM PL5	PX	-.002	-.002	0	0
47	SM PL4	PX	-.002	-.002	0	0
48	SM PL3	PX	-.002	-.002	0	0
49	SM PL2	PX	-.002	-.002	0	0
50	SM PL1	PX	-.002	-.002	0	0
51	MP ALPHA3	PX	-.003	-.003	0	0
52	MP ALPHA2	PX	-.003	-.003	0	0
53	FACE3	PX	-.002	-.002	0	0
54	FACE2	PX	-.002	-.002	0	0
55	FACE1	PX	-.002	-.002	0	0
56	CROSSARM6	PX	-.003	-.003	0	0
57	CROSSARM5	PX	-.003	-.003	0	0
58	CROSSARM4	PX	-.003	-.003	0	0
59	CROSSARM3	PX	-.003	-.003	0	0
60	CROSSARM2	PX	-.003	-.003	0	0
61	CROSSARM1	PX	-.003	-.003	0	0
62	CORN3	PX	-.002	-.002	0	0
63	CORN2	PX	-.002	-.002	0	0
64	CORN1	PX	-.002	-.002	0	0
65	C PL6	PX	-.002	-.002	0	0
66	C PL5	PX	-.002	-.002	0	0
67	C PL4	PX	-.002	-.002	0	0
68	C PL3	PX	-.002	-.002	0	0
69	C PL2	PX	-.002	-.002	0	0
70	C PL1	PX	-.002	-.002	0	0
71	MP ALPHA1	PY	-.002	-.002	0	0
72	MP ALPHA1	PX	-.003	-.003	0	0
73	MP GAMMA3	PY	-.002	-.002	0	0
74	MP GAMMA3	PX	-.003	-.003	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,%]
75	MP GAMMA2	PY	-.002	-.002	0	0
76	MP GAMMA2	PX	-.003	-.003	0	0
77	MP GAMMA1	PY	-.002	-.002	0	0
78	MP GAMMA1	PX	-.003	-.003	0	0
79	MP BETA3	PY	-.002	-.002	0	0
80	MP BETA3	PX	-.003	-.003	0	0
81	MP BETA2	PY	-.002	-.002	0	0
82	MP BETA2	PX	-.003	-.003	0	0
83	MP BETA1	PY	-.002	-.002	0	0
84	MP BETA1	PX	-.003	-.003	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	SUPPORT6	PX	-.003	-.003	0	0
2	SUPPORT5	PX	-.003	-.003	0	0
3	SUPPORT4	PX	-.003	-.003	0	0
4	SUPPORT3	PX	-.003	-.003	0	0
5	SUPPORT2	PX	-.003	-.003	0	0
6	SUPPORT1	PX	-.003	-.003	0	0
7	SO3	PX	-.003	-.003	0	0
8	SO2	PX	-.003	-.003	0	0
9	SO1	PX	-.003	-.003	0	0
10	SM PL6	PX	-.002	-.002	0	0
11	SM PL5	PX	-.002	-.002	0	0
12	SM PL4	PX	-.002	-.002	0	0
13	SM PL3	PX	-.002	-.002	0	0
14	SM PL2	PX	-.002	-.002	0	0
15	SM PL1	PX	-.002	-.002	0	0
16	MP ALPHA3	PX	-.003	-.003	0	0
17	MP ALPHA2	PX	-.003	-.003	0	0
18	FACE3	PX	-.003	-.003	0	0
19	FACE2	PX	-.003	-.003	0	0
20	FACE1	PX	-.003	-.003	0	0
21	CROSSARM6	PX	-.003	-.003	0	0
22	CROSSARM5	PX	-.003	-.003	0	0
23	CROSSARM4	PX	-.003	-.003	0	0
24	CROSSARM3	PX	-.003	-.003	0	0
25	CROSSARM2	PX	-.003	-.003	0	0
26	CROSSARM1	PX	-.003	-.003	0	0
27	CORN3	PX	-.002	-.002	0	0
28	CORN2	PX	-.002	-.002	0	0
29	CORN1	PX	-.002	-.002	0	0
30	C PL6	PX	-.002	-.002	0	0
31	C PL5	PX	-.002	-.002	0	0
32	C PL4	PX	-.002	-.002	0	0
33	C PL3	PX	-.002	-.002	0	0
34	C PL2	PX	-.002	-.002	0	0
35	C PL1	PX	-.002	-.002	0	0
36	MP ALPHA1	PX	-.003	-.003	0	0
37	MP GAMMA3	PX	-.003	-.003	0	0
38	MP GAMMA2	PX	-.003	-.003	0	0
39	MP GAMMA1	PX	-.003	-.003	0	0
40	MP BETA3	PX	-.003	-.003	0	0
41	MP BETA2	PX	-.003	-.003	0	0
42	MP BETA1	PX	-.003	-.003	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	SUPPORT6	PY	.002	.002	0	0
2	SUPPORT5	PY	.002	.002	0	0
3	SUPPORT4	PY	.002	.002	0	0
4	SUPPORT3	PY	.002	.002	0	0
5	SUPPORT2	PY	.002	.002	0	0
6	SUPPORT1	PY	.002	.002	0	0
7	SO3	PY	.002	.002	0	0
8	SO2	PY	.002	.002	0	0
9	SO1	PY	.002	.002	0	0
10	SM PL6	PY	.001	.001	0	0
11	SM PL5	PY	.001	.001	0	0
12	SM PL4	PY	.001	.001	0	0
13	SM PL3	PY	.001	.001	0	0
14	SM PL2	PY	.001	.001	0	0
15	SM PL1	PY	.001	.001	0	0
16	MP ALPHA3	PY	.002	.002	0	0
17	MP ALPHA2	PY	.002	.002	0	0
18	FACE3	PY	.001	.001	0	0
19	FACE2	PY	.001	.001	0	0
20	FACE1	PY	.001	.001	0	0
21	CROSSARM6	PY	.002	.002	0	0
22	CROSSARM5	PY	.002	.002	0	0
23	CROSSARM4	PY	.002	.002	0	0
24	CROSSARM3	PY	.002	.002	0	0
25	CROSSARM2	PY	.002	.002	0	0
26	CROSSARM1	PY	.002	.002	0	0
27	CORN3	PY	.001	.001	0	0
28	CORN2	PY	.001	.001	0	0
29	CORN1	PY	.001	.001	0	0
30	C PL6	PY	.001	.001	0	0
31	C PL5	PY	.001	.001	0	0
32	C PL4	PY	.001	.001	0	0
33	C PL3	PY	.001	.001	0	0
34	C PL2	PY	.001	.001	0	0
35	C PL1	PY	.001	.001	0	0
36	SUPPORT6	PX	-.003	-.003	0	0
37	SUPPORT5	PX	-.003	-.003	0	0
38	SUPPORT4	PX	-.003	-.003	0	0
39	SUPPORT3	PX	-.003	-.003	0	0
40	SUPPORT2	PX	-.003	-.003	0	0
41	SUPPORT1	PX	-.003	-.003	0	0
42	SO3	PX	-.003	-.003	0	0
43	SO2	PX	-.003	-.003	0	0
44	SO1	PX	-.003	-.003	0	0
45	SM PL6	PX	-.002	-.002	0	0
46	SM PL5	PX	-.002	-.002	0	0
47	SM PL4	PX	-.002	-.002	0	0
48	SM PL3	PX	-.002	-.002	0	0
49	SM PL2	PX	-.002	-.002	0	0
50	SM PL1	PX	-.002	-.002	0	0
51	MP ALPHA3	PX	-.003	-.003	0	0
52	MP ALPHA2	PX	-.003	-.003	0	0
53	FACE3	PX	-.002	-.002	0	0
54	FACE2	PX	-.002	-.002	0	0
55	FACE1	PX	-.002	-.002	0	0
56	CROSSARM6	PX	-.003	-.003	0	0
57	CROSSARM5	PX	-.003	-.003	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	CROSSARM4	PX	-.003	-.003	0	0
59	CROSSARM3	PX	-.003	-.003	0	0
60	CROSSARM2	PX	-.003	-.003	0	0
61	CROSSARM1	PX	-.003	-.003	0	0
62	CORN3	PX	-.002	-.002	0	0
63	CORN2	PX	-.002	-.002	0	0
64	CORN1	PX	-.002	-.002	0	0
65	C PL6	PX	-.002	-.002	0	0
66	C PL5	PX	-.002	-.002	0	0
67	C PL4	PX	-.002	-.002	0	0
68	C PL3	PX	-.002	-.002	0	0
69	C PL2	PX	-.002	-.002	0	0
70	C PL1	PX	-.002	-.002	0	0
71	MP ALPHA1	PY	.002	.002	0	0
72	MP ALPHA1	PX	-.003	-.003	0	0
73	MP GAMMA3	PY	.002	.002	0	0
74	MP GAMMA3	PX	-.003	-.003	0	0
75	MP GAMMA2	PY	.002	.002	0	0
76	MP GAMMA2	PX	-.003	-.003	0	0
77	MP GAMMA1	PY	.002	.002	0	0
78	MP GAMMA1	PX	-.003	-.003	0	0
79	MP BETA3	PY	.002	.002	0	0
80	MP BETA3	PX	-.003	-.003	0	0
81	MP BETA2	PY	.002	.002	0	0
82	MP BETA2	PX	-.003	-.003	0	0
83	MP BETA1	PY	.002	.002	0	0
84	MP BETA1	PX	-.003	-.003	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	SUPPORT6	PY	.003	.003	0	0
2	SUPPORT5	PY	.003	.003	0	0
3	SUPPORT4	PY	.003	.003	0	0
4	SUPPORT3	PY	.003	.003	0	0
5	SUPPORT2	PY	.003	.003	0	0
6	SUPPORT1	PY	.003	.003	0	0
7	SO3	PY	.003	.003	0	0
8	SO2	PY	.003	.003	0	0
9	SO1	PY	.003	.003	0	0
10	SM PL6	PY	.002	.002	0	0
11	SM PL5	PY	.002	.002	0	0
12	SM PL4	PY	.002	.002	0	0
13	SM PL3	PY	.002	.002	0	0
14	SM PL2	PY	.002	.002	0	0
15	SM PL1	PY	.002	.002	0	0
16	MP ALPHA3	PY	.003	.003	0	0
17	MP ALPHA2	PY	.003	.003	0	0
18	FACE3	PY	.002	.002	0	0
19	FACE2	PY	.002	.002	0	0
20	FACE1	PY	.002	.002	0	0
21	CROSSARM6	PY	.003	.003	0	0
22	CROSSARM5	PY	.003	.003	0	0
23	CROSSARM4	PY	.003	.003	0	0
24	CROSSARM3	PY	.003	.003	0	0
25	CROSSARM2	PY	.003	.003	0	0
26	CROSSARM1	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,%]
27	CORN3	PY	.002	.002	0	0
28	CORN2	PY	.002	.002	0	0
29	CORN1	PY	.002	.002	0	0
30	C PL6	PY	.002	.002	0	0
31	C PL5	PY	.002	.002	0	0
32	C PL4	PY	.002	.002	0	0
33	C PL3	PY	.002	.002	0	0
34	C PL2	PY	.002	.002	0	0
35	C PL1	PY	.002	.002	0	0
36	SUPPORT6	PX	-.002	-.002	0	0
37	SUPPORT5	PX	-.002	-.002	0	0
38	SUPPORT4	PX	-.002	-.002	0	0
39	SUPPORT3	PX	-.002	-.002	0	0
40	SUPPORT2	PX	-.002	-.002	0	0
41	SUPPORT1	PX	-.002	-.002	0	0
42	SO3	PX	-.002	-.002	0	0
43	SO2	PX	-.002	-.002	0	0
44	SO1	PX	-.002	-.002	0	0
45	SM PL6	PX	-.001	-.001	0	0
46	SM PL5	PX	-.001	-.001	0	0
47	SM PL4	PX	-.001	-.001	0	0
48	SM PL3	PX	-.001	-.001	0	0
49	SM PL2	PX	-.001	-.001	0	0
50	SM PL1	PX	-.001	-.001	0	0
51	MP ALPHA3	PX	-.002	-.002	0	0
52	MP ALPHA2	PX	-.002	-.002	0	0
53	FACE3	PX	-.001	-.001	0	0
54	FACE2	PX	-.001	-.001	0	0
55	FACE1	PX	-.001	-.001	0	0
56	CROSSARM6	PX	-.002	-.002	0	0
57	CROSSARM5	PX	-.002	-.002	0	0
58	CROSSARM4	PX	-.002	-.002	0	0
59	CROSSARM3	PX	-.002	-.002	0	0
60	CROSSARM2	PX	-.002	-.002	0	0
61	CROSSARM1	PX	-.002	-.002	0	0
62	CORN3	PX	-.001	-.001	0	0
63	CORN2	PX	-.001	-.001	0	0
64	CORN1	PX	-.001	-.001	0	0
65	C PL6	PX	-.001	-.001	0	0
66	C PL5	PX	-.001	-.001	0	0
67	C PL4	PX	-.001	-.001	0	0
68	C PL3	PX	-.001	-.001	0	0
69	C PL2	PX	-.001	-.001	0	0
70	C PL1	PX	-.001	-.001	0	0
71	MP ALPHA1	PY	.003	.003	0	0
72	MP ALPHA1	PX	-.002	-.002	0	0
73	MP GAMMA3	PY	.003	.003	0	0
74	MP GAMMA3	PX	-.002	-.002	0	0
75	MP GAMMA2	PY	.003	.003	0	0
76	MP GAMMA2	PX	-.002	-.002	0	0
77	MP GAMMA1	PY	.003	.003	0	0
78	MP GAMMA1	PX	-.002	-.002	0	0
79	MP BETA3	PY	.003	.003	0	0
80	MP BETA3	PX	-.002	-.002	0	0
81	MP BETA2	PY	.003	.003	0	0
82	MP BETA2	PX	-.002	-.002	0	0
83	MP BETA1	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,%]
84	MP BETA1	PX	-.002	-.002	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	SUPPORT6	PY	.003	.003	0	0
2	SUPPORT5	PY	.003	.003	0	0
3	SUPPORT4	PY	.003	.003	0	0
4	SUPPORT3	PY	.003	.003	0	0
5	SUPPORT2	PY	.003	.003	0	0
6	SUPPORT1	PY	.003	.003	0	0
7	SO3	PY	.003	.003	0	0
8	SO2	PY	.003	.003	0	0
9	SO1	PY	.003	.003	0	0
10	SM PL6	PY	.002	.002	0	0
11	SM PL5	PY	.002	.002	0	0
12	SM PL4	PY	.002	.002	0	0
13	SM PL3	PY	.002	.002	0	0
14	SM PL2	PY	.002	.002	0	0
15	SM PL1	PY	.002	.002	0	0
16	MP ALPHA3	PY	.003	.003	0	0
17	MP ALPHA2	PY	.003	.003	0	0
18	FACE3	PY	.003	.003	0	0
19	FACE2	PY	.003	.003	0	0
20	FACE1	PY	.003	.003	0	0
21	CROSSARM6	PY	.003	.003	0	0
22	CROSSARM5	PY	.003	.003	0	0
23	CROSSARM4	PY	.003	.003	0	0
24	CROSSARM3	PY	.003	.003	0	0
25	CROSSARM2	PY	.003	.003	0	0
26	CROSSARM1	PY	.003	.003	0	0
27	CORN3	PY	.002	.002	0	0
28	CORN2	PY	.002	.002	0	0
29	CORN1	PY	.002	.002	0	0
30	C PL6	PY	.002	.002	0	0
31	C PL5	PY	.002	.002	0	0
32	C PL4	PY	.002	.002	0	0
33	C PL3	PY	.002	.002	0	0
34	C PL2	PY	.002	.002	0	0
35	C PL1	PY	.002	.002	0	0
36	MP ALPHA1	PY	.003	.003	0	0
37	MP GAMMA3	PY	.003	.003	0	0
38	MP GAMMA2	PY	.003	.003	0	0
39	MP GAMMA1	PY	.003	.003	0	0
40	MP BETA3	PY	.003	.003	0	0
41	MP BETA2	PY	.003	.003	0	0
42	MP BETA1	PY	.003	.003	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	SUPPORT6	PY	.003	.003	0	0
2	SUPPORT5	PY	.003	.003	0	0
3	SUPPORT4	PY	.003	.003	0	0
4	SUPPORT3	PY	.003	.003	0	0
5	SUPPORT2	PY	.003	.003	0	0
6	SUPPORT1	PY	.003	.003	0	0
7	SO3	PY	.003	.003	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,%]
8	SO2	PY	.003	.003	0	0
9	SO1	PY	.003	.003	0	0
10	SM PL6	PY	.002	.002	0	0
11	SM PL5	PY	.002	.002	0	0
12	SM PL4	PY	.002	.002	0	0
13	SM PL3	PY	.002	.002	0	0
14	SM PL2	PY	.002	.002	0	0
15	SM PL1	PY	.002	.002	0	0
16	MP ALPHA3	PY	.003	.003	0	0
17	MP ALPHA2	PY	.003	.003	0	0
18	FACE3	PY	.002	.002	0	0
19	FACE2	PY	.002	.002	0	0
20	FACE1	PY	.002	.002	0	0
21	CROSSARM6	PY	.003	.003	0	0
22	CROSSARM5	PY	.003	.003	0	0
23	CROSSARM4	PY	.003	.003	0	0
24	CROSSARM3	PY	.003	.003	0	0
25	CROSSARM2	PY	.003	.003	0	0
26	CROSSARM1	PY	.003	.003	0	0
27	CORN3	PY	.002	.002	0	0
28	CORN2	PY	.002	.002	0	0
29	CORN1	PY	.002	.002	0	0
30	C PL6	PY	.002	.002	0	0
31	C PL5	PY	.002	.002	0	0
32	C PL4	PY	.002	.002	0	0
33	C PL3	PY	.002	.002	0	0
34	C PL2	PY	.002	.002	0	0
35	C PL1	PY	.002	.002	0	0
36	SUPPORT6	PX	.002	.002	0	0
37	SUPPORT5	PX	.002	.002	0	0
38	SUPPORT4	PX	.002	.002	0	0
39	SUPPORT3	PX	.002	.002	0	0
40	SUPPORT2	PX	.002	.002	0	0
41	SUPPORT1	PX	.002	.002	0	0
42	SO3	PX	.002	.002	0	0
43	SO2	PX	.002	.002	0	0
44	SO1	PX	.002	.002	0	0
45	SM PL6	PX	.001	.001	0	0
46	SM PL5	PX	.001	.001	0	0
47	SM PL4	PX	.001	.001	0	0
48	SM PL3	PX	.001	.001	0	0
49	SM PL2	PX	.001	.001	0	0
50	SM PL1	PX	.001	.001	0	0
51	MP ALPHA3	PX	.002	.002	0	0
52	MP ALPHA2	PX	.002	.002	0	0
53	FACE3	PX	.001	.001	0	0
54	FACE2	PX	.001	.001	0	0
55	FACE1	PX	.001	.001	0	0
56	CROSSARM6	PX	.002	.002	0	0
57	CROSSARM5	PX	.002	.002	0	0
58	CROSSARM4	PX	.002	.002	0	0
59	CROSSARM3	PX	.002	.002	0	0
60	CROSSARM2	PX	.002	.002	0	0
61	CROSSARM1	PX	.002	.002	0	0
62	CORN3	PX	.001	.001	0	0
63	CORN2	PX	.001	.001	0	0
64	CORN1	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,%]
65	C PL6	PX	.001	.001	0	0
66	C PL5	PX	.001	.001	0	0
67	C PL4	PX	.001	.001	0	0
68	C PL3	PX	.001	.001	0	0
69	C PL2	PX	.001	.001	0	0
70	C PL1	PX	.001	.001	0	0
71	MP ALPHA1	PY	.003	.003	0	0
72	MP ALPHA1	PX	.002	.002	0	0
73	MP GAMMA3	PY	.003	.003	0	0
74	MP GAMMA3	PX	.002	.002	0	0
75	MP GAMMA2	PY	.003	.003	0	0
76	MP GAMMA2	PX	.002	.002	0	0
77	MP GAMMA1	PY	.003	.003	0	0
78	MP GAMMA1	PX	.002	.002	0	0
79	MP BETA3	PY	.003	.003	0	0
80	MP BETA3	PX	.002	.002	0	0
81	MP BETA2	PY	.003	.003	0	0
82	MP BETA2	PX	.002	.002	0	0
83	MP BETA1	PY	.003	.003	0	0
84	MP BETA1	PX	.002	.002	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,%]
1	SUPPORT6	PY	.002	.002	0	0
2	SUPPORT5	PY	.002	.002	0	0
3	SUPPORT4	PY	.002	.002	0	0
4	SUPPORT3	PY	.002	.002	0	0
5	SUPPORT2	PY	.002	.002	0	0
6	SUPPORT1	PY	.002	.002	0	0
7	SO3	PY	.002	.002	0	0
8	SO2	PY	.002	.002	0	0
9	SO1	PY	.002	.002	0	0
10	SM PL6	PY	.001	.001	0	0
11	SM PL5	PY	.001	.001	0	0
12	SM PL4	PY	.001	.001	0	0
13	SM PL3	PY	.001	.001	0	0
14	SM PL2	PY	.001	.001	0	0
15	SM PL1	PY	.001	.001	0	0
16	MP ALPHA3	PY	.002	.002	0	0
17	MP ALPHA2	PY	.002	.002	0	0
18	FACE3	PY	.001	.001	0	0
19	FACE2	PY	.001	.001	0	0
20	FACE1	PY	.001	.001	0	0
21	CROSSARM6	PY	.002	.002	0	0
22	CROSSARM5	PY	.002	.002	0	0
23	CROSSARM4	PY	.002	.002	0	0
24	CROSSARM3	PY	.002	.002	0	0
25	CROSSARM2	PY	.002	.002	0	0
26	CROSSARM1	PY	.002	.002	0	0
27	CORN3	PY	.001	.001	0	0
28	CORN2	PY	.001	.001	0	0
29	CORN1	PY	.001	.001	0	0
30	C PL6	PY	.001	.001	0	0
31	C PL5	PY	.001	.001	0	0
32	C PL4	PY	.001	.001	0	0
33	C PL3	PY	.001	.001	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,%]
34	C PL2	PY	.001	.001	0	0
35	C PL1	PY	.001	.001	0	0
36	SUPPORT6	PX	.003	.003	0	0
37	SUPPORT5	PX	.003	.003	0	0
38	SUPPORT4	PX	.003	.003	0	0
39	SUPPORT3	PX	.003	.003	0	0
40	SUPPORT2	PX	.003	.003	0	0
41	SUPPORT1	PX	.003	.003	0	0
42	SO3	PX	.003	.003	0	0
43	SO2	PX	.003	.003	0	0
44	SO1	PX	.003	.003	0	0
45	SM PL6	PX	.002	.002	0	0
46	SM PL5	PX	.002	.002	0	0
47	SM PL4	PX	.002	.002	0	0
48	SM PL3	PX	.002	.002	0	0
49	SM PL2	PX	.002	.002	0	0
50	SM PL1	PX	.002	.002	0	0
51	MP ALPHA3	PX	.003	.003	0	0
52	MP ALPHA2	PX	.003	.003	0	0
53	FACE3	PX	.002	.002	0	0
54	FACE2	PX	.002	.002	0	0
55	FACE1	PX	.002	.002	0	0
56	CROSSARM6	PX	.003	.003	0	0
57	CROSSARM5	PX	.003	.003	0	0
58	CROSSARM4	PX	.003	.003	0	0
59	CROSSARM3	PX	.003	.003	0	0
60	CROSSARM2	PX	.003	.003	0	0
61	CROSSARM1	PX	.003	.003	0	0
62	CORN3	PX	.002	.002	0	0
63	CORN2	PX	.002	.002	0	0
64	CORN1	PX	.002	.002	0	0
65	C PL6	PX	.002	.002	0	0
66	C PL5	PX	.002	.002	0	0
67	C PL4	PX	.002	.002	0	0
68	C PL3	PX	.002	.002	0	0
69	C PL2	PX	.002	.002	0	0
70	C PL1	PX	.002	.002	0	0
71	MP ALPHA1	PY	.002	.002	0	0
72	MP ALPHA1	PX	.003	.003	0	0
73	MP GAMMA3	PY	.002	.002	0	0
74	MP GAMMA3	PX	.003	.003	0	0
75	MP GAMMA2	PY	.002	.002	0	0
76	MP GAMMA2	PX	.003	.003	0	0
77	MP GAMMA1	PY	.002	.002	0	0
78	MP GAMMA1	PX	.003	.003	0	0
79	MP BETA3	PY	.002	.002	0	0
80	MP BETA3	PX	.003	.003	0	0
81	MP BETA2	PY	.002	.002	0	0
82	MP BETA2	PX	.003	.003	0	0
83	MP BETA1	PY	.002	.002	0	0
84	MP BETA1	PX	.003	.003	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	SUPPORT6	PX	.003	.003	0	0
2	SUPPORT5	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,%]
3	SUPPORT4	PX	.003	.003	0	0
4	SUPPORT3	PX	.003	.003	0	0
5	SUPPORT2	PX	.003	.003	0	0
6	SUPPORT1	PX	.003	.003	0	0
7	SO3	PX	.003	.003	0	0
8	SO2	PX	.003	.003	0	0
9	SO1	PX	.003	.003	0	0
10	SM PL6	PX	.002	.002	0	0
11	SM PL5	PX	.002	.002	0	0
12	SM PL4	PX	.002	.002	0	0
13	SM PL3	PX	.002	.002	0	0
14	SM PL2	PX	.002	.002	0	0
15	SM PL1	PX	.002	.002	0	0
16	MP ALPHA3	PX	.003	.003	0	0
17	MP ALPHA2	PX	.003	.003	0	0
18	FACE3	PX	.003	.003	0	0
19	FACE2	PX	.003	.003	0	0
20	FACE1	PX	.003	.003	0	0
21	CROSSARM6	PX	.003	.003	0	0
22	CROSSARM5	PX	.003	.003	0	0
23	CROSSARM4	PX	.003	.003	0	0
24	CROSSARM3	PX	.003	.003	0	0
25	CROSSARM2	PX	.003	.003	0	0
26	CROSSARM1	PX	.003	.003	0	0
27	CORN3	PX	.002	.002	0	0
28	CORN2	PX	.002	.002	0	0
29	CORN1	PX	.002	.002	0	0
30	C PL6	PX	.002	.002	0	0
31	C PL5	PX	.002	.002	0	0
32	C PL4	PX	.002	.002	0	0
33	C PL3	PX	.002	.002	0	0
34	C PL2	PX	.002	.002	0	0
35	C PL1	PX	.002	.002	0	0
36	MP ALPHA1	PX	.003	.003	0	0
37	MP GAMMA3	PX	.003	.003	0	0
38	MP GAMMA2	PX	.003	.003	0	0
39	MP GAMMA1	PX	.003	.003	0	0
40	MP BETA3	PX	.003	.003	0	0
41	MP BETA2	PX	.003	.003	0	0
42	MP BETA1	PX	.003	.003	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	SUPPORT6	PY	-.002	-.002	0	0
2	SUPPORT5	PY	-.002	-.002	0	0
3	SUPPORT4	PY	-.002	-.002	0	0
4	SUPPORT3	PY	-.002	-.002	0	0
5	SUPPORT2	PY	-.002	-.002	0	0
6	SUPPORT1	PY	-.002	-.002	0	0
7	SO3	PY	-.002	-.002	0	0
8	SO2	PY	-.002	-.002	0	0
9	SO1	PY	-.002	-.002	0	0
10	SM PL6	PY	-.001	-.001	0	0
11	SM PL5	PY	-.001	-.001	0	0
12	SM PL4	PY	-.001	-.001	0	0
13	SM PL3	PY	-.001	-.001	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,%]
14	SM PL2	PY	-.001	-.001	0	0
15	SM PL1	PY	-.001	-.001	0	0
16	MP ALPHA3	PY	-.002	-.002	0	0
17	MP ALPHA2	PY	-.002	-.002	0	0
18	FACE3	PY	-.001	-.001	0	0
19	FACE2	PY	-.001	-.001	0	0
20	FACE1	PY	-.001	-.001	0	0
21	CROSSARM6	PY	-.002	-.002	0	0
22	CROSSARM5	PY	-.002	-.002	0	0
23	CROSSARM4	PY	-.002	-.002	0	0
24	CROSSARM3	PY	-.002	-.002	0	0
25	CROSSARM2	PY	-.002	-.002	0	0
26	CROSSARM1	PY	-.002	-.002	0	0
27	CORN3	PY	-.001	-.001	0	0
28	CORN2	PY	-.001	-.001	0	0
29	CORN1	PY	-.001	-.001	0	0
30	C PL6	PY	-.001	-.001	0	0
31	C PL5	PY	-.001	-.001	0	0
32	C PL4	PY	-.001	-.001	0	0
33	C PL3	PY	-.001	-.001	0	0
34	C PL2	PY	-.001	-.001	0	0
35	C PL1	PY	-.001	-.001	0	0
36	SUPPORT6	PX	.003	.003	0	0
37	SUPPORT5	PX	.003	.003	0	0
38	SUPPORT4	PX	.003	.003	0	0
39	SUPPORT3	PX	.003	.003	0	0
40	SUPPORT2	PX	.003	.003	0	0
41	SUPPORT1	PX	.003	.003	0	0
42	SO3	PX	.003	.003	0	0
43	SO2	PX	.003	.003	0	0
44	SO1	PX	.003	.003	0	0
45	SM PL6	PX	.002	.002	0	0
46	SM PL5	PX	.002	.002	0	0
47	SM PL4	PX	.002	.002	0	0
48	SM PL3	PX	.002	.002	0	0
49	SM PL2	PX	.002	.002	0	0
50	SM PL1	PX	.002	.002	0	0
51	MP ALPHA3	PX	.003	.003	0	0
52	MP ALPHA2	PX	.003	.003	0	0
53	FACE3	PX	.002	.002	0	0
54	FACE2	PX	.002	.002	0	0
55	FACE1	PX	.002	.002	0	0
56	CROSSARM6	PX	.003	.003	0	0
57	CROSSARM5	PX	.003	.003	0	0
58	CROSSARM4	PX	.003	.003	0	0
59	CROSSARM3	PX	.003	.003	0	0
60	CROSSARM2	PX	.003	.003	0	0
61	CROSSARM1	PX	.003	.003	0	0
62	CORN3	PX	.002	.002	0	0
63	CORN2	PX	.002	.002	0	0
64	CORN1	PX	.002	.002	0	0
65	C PL6	PX	.002	.002	0	0
66	C PL5	PX	.002	.002	0	0
67	C PL4	PX	.002	.002	0	0
68	C PL3	PX	.002	.002	0	0
69	C PL2	PX	.002	.002	0	0
70	C PL1	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,%]
71	MP ALPHA1	PY	-.002	-.002	0	0
72	MP ALPHA1	PX	.003	.003	0	0
73	MP GAMMA3	PY	-.002	-.002	0	0
74	MP GAMMA3	PX	.003	.003	0	0
75	MP GAMMA2	PY	-.002	-.002	0	0
76	MP GAMMA2	PX	.003	.003	0	0
77	MP GAMMA1	PY	-.002	-.002	0	0
78	MP GAMMA1	PX	.003	.003	0	0
79	MP BETA3	PY	-.002	-.002	0	0
80	MP BETA3	PX	.003	.003	0	0
81	MP BETA2	PY	-.002	-.002	0	0
82	MP BETA2	PX	.003	.003	0	0
83	MP BETA1	PY	-.002	-.002	0	0
84	MP BETA1	PX	.003	.003	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	SUPPORT6	PY	-.003	-.003	0	0
2	SUPPORT5	PY	-.003	-.003	0	0
3	SUPPORT4	PY	-.003	-.003	0	0
4	SUPPORT3	PY	-.003	-.003	0	0
5	SUPPORT2	PY	-.003	-.003	0	0
6	SUPPORT1	PY	-.003	-.003	0	0
7	SO3	PY	-.003	-.003	0	0
8	SO2	PY	-.003	-.003	0	0
9	SO1	PY	-.003	-.003	0	0
10	SM PL6	PY	-.002	-.002	0	0
11	SM PL5	PY	-.002	-.002	0	0
12	SM PL4	PY	-.002	-.002	0	0
13	SM PL3	PY	-.002	-.002	0	0
14	SM PL2	PY	-.002	-.002	0	0
15	SM PL1	PY	-.002	-.002	0	0
16	MP ALPHA3	PY	-.003	-.003	0	0
17	MP ALPHA2	PY	-.003	-.003	0	0
18	FACE3	PY	-.002	-.002	0	0
19	FACE2	PY	-.002	-.002	0	0
20	FACE1	PY	-.002	-.002	0	0
21	CROSSARM6	PY	-.003	-.003	0	0
22	CROSSARM5	PY	-.003	-.003	0	0
23	CROSSARM4	PY	-.003	-.003	0	0
24	CROSSARM3	PY	-.003	-.003	0	0
25	CROSSARM2	PY	-.003	-.003	0	0
26	CROSSARM1	PY	-.003	-.003	0	0
27	CORN3	PY	-.002	-.002	0	0
28	CORN2	PY	-.002	-.002	0	0
29	CORN1	PY	-.002	-.002	0	0
30	C PL6	PY	-.002	-.002	0	0
31	C PL5	PY	-.002	-.002	0	0
32	C PL4	PY	-.002	-.002	0	0
33	C PL3	PY	-.002	-.002	0	0
34	C PL2	PY	-.002	-.002	0	0
35	C PL1	PY	-.002	-.002	0	0
36	SUPPORT6	PX	.002	.002	0	0
37	SUPPORT5	PX	.002	.002	0	0
38	SUPPORT4	PX	.002	.002	0	0
39	SUPPORT3	PX	.002	.002	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,%]
40	SUPPORT2	PX	.002	.002	0	0
41	SUPPORT1	PX	.002	.002	0	0
42	SO3	PX	.002	.002	0	0
43	SO2	PX	.002	.002	0	0
44	SO1	PX	.002	.002	0	0
45	SM PL6	PX	.001	.001	0	0
46	SM PL5	PX	.001	.001	0	0
47	SM PL4	PX	.001	.001	0	0
48	SM PL3	PX	.001	.001	0	0
49	SM PL2	PX	.001	.001	0	0
50	SM PL1	PX	.001	.001	0	0
51	MP ALPHA3	PX	.002	.002	0	0
52	MP ALPHA2	PX	.002	.002	0	0
53	FACE3	PX	.001	.001	0	0
54	FACE2	PX	.001	.001	0	0
55	FACE1	PX	.001	.001	0	0
56	CROSSARM6	PX	.002	.002	0	0
57	CROSSARM5	PX	.002	.002	0	0
58	CROSSARM4	PX	.002	.002	0	0
59	CROSSARM3	PX	.002	.002	0	0
60	CROSSARM2	PX	.002	.002	0	0
61	CROSSARM1	PX	.002	.002	0	0
62	CORN3	PX	.001	.001	0	0
63	CORN2	PX	.001	.001	0	0
64	CORN1	PX	.001	.001	0	0
65	C PL6	PX	.001	.001	0	0
66	C PL5	PX	.001	.001	0	0
67	C PL4	PX	.001	.001	0	0
68	C PL3	PX	.001	.001	0	0
69	C PL2	PX	.001	.001	0	0
70	C PL1	PX	.001	.001	0	0
71	MP ALPHA1	PY	-.003	-.003	0	0
72	MP ALPHA1	PX	.002	.002	0	0
73	MP GAMMA3	PY	-.003	-.003	0	0
74	MP GAMMA3	PX	.002	.002	0	0
75	MP GAMMA2	PY	-.003	-.003	0	0
76	MP GAMMA2	PX	.002	.002	0	0
77	MP GAMMA1	PY	-.003	-.003	0	0
78	MP GAMMA1	PX	.002	.002	0	0
79	MP BETA3	PY	-.003	-.003	0	0
80	MP BETA3	PX	.002	.002	0	0
81	MP BETA2	PY	-.003	-.003	0	0
82	MP BETA2	PX	.002	.002	0	0
83	MP BETA1	PY	-.003	-.003	0	0
84	MP BETA1	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT2	Z	-.01	-.014	0	1.438
2	SUPPORT2	Z	-.014	-.012	1.438	2.876
3	SUPPORT2	Z	-.012	-.002	2.876	4.314
4	SUPPORT1	Z	-.017	-.01	0	1.726
5	SUPPORT1	Z	-.01	-.003	1.726	3.451
6	SUPPORT6	Z	-.016	-.01	0	1.726
7	SUPPORT6	Z	-.01	-.003	1.726	3.451
8	SUPPORT5	Z	-.01	-.014	0	1.438

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
9	SUPPORT5	Z	-.014	-.012	1.438	2.876
10	SUPPORT5	Z	-.012	-.002	2.876	4.314
11	SUPPORT4	Z	-.01	-.014	0	1.438
12	SUPPORT4	Z	-.014	-.012	1.438	2.876
13	SUPPORT4	Z	-.012	-.002	2.876	4.314
14	SUPPORT3	Z	-.017	-.01	0	1.726
15	SUPPORT3	Z	-.01	-.003	1.726	3.451

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SUPPORT2	Z	-.023	-.014	0	1.726
2	SUPPORT2	Z	-.014	-.004	1.726	3.451
3	SUPPORT1	Z	-.014	-.02	0	1.438
4	SUPPORT1	Z	-.02	-.017	1.438	2.876
5	SUPPORT1	Z	-.017	-.003	2.876	4.314
6	SUPPORT6	Z	-.014	-.02	0	1.438
7	SUPPORT6	Z	-.02	-.017	1.438	2.876
8	SUPPORT6	Z	-.017	-.003	2.876	4.314
9	SUPPORT5	Z	-.023	-.014	0	1.726
10	SUPPORT5	Z	-.014	-.004	1.726	3.451
11	SUPPORT4	Z	-.014	-.02	0	1.438
12	SUPPORT4	Z	-.02	-.017	1.438	2.876
13	SUPPORT4	Z	-.017	-.003	2.876	4.314
14	SUPPORT3	Z	-.023	-.014	0	1.726
15	SUPPORT3	Z	-.014	-.004	1.726	3.451

Member Area Loads (BLC 3 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N77	N83	N76		Z	Two Way	-.01
2	N81	N88	N82		Z	Two Way	-.01
3	N79	N80	N86		Z	Two Way	-.01

Member Area Loads (BLC 27 : Ice Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N77	N83	N76		Z	Two Way	-.014
2	N81	N88	N82		Z	Two Way	-.014
3	N79	N80	N86		Z	Two Way	-.014

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Live Load	DL					1			
2	Wind Load (0)	DL					36	42		
3	Dead Load	DL			-1.1		36		3	
4	Wind Load (30)	DL					72	84		
5	Wind Load (60)	DL					72	84		
6	Wind Load (90)	DL					36	42		
7	Wind Load (120)	DL					72	84		
8	Wind Load (150)	DL					72	84		
9	Wind Load (180)	DL					36	42		
10	Wind Load (210)	DL					72	84		
11	Wind Load (240)	DL					72	84		
12	Wind Load (270)	DL					36	42		
13	Wind Load (300)	DL					72	84		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
14	Wind Load (330)	DL					72	84		
15	Maintanence (0)	DL					36	42		
16	Maintanence (30)	DL					72	84		
17	Maintanence (60)	DL					72	84		
18	Maintanence (90)	DL					36	42		
19	Maintanence (120)	DL					72	84		
20	Maintanence (150)	DL					72	84		
21	Maintanence (180)	DL					36	42		
22	Maintanence (210)	DL					72	84		
23	Maintanence (240)	DL					72	84		
24	Maintanence (270)	DL					36	42		
25	Maintanence (300)	DL					72	84		
26	Maintanence (330)	DL					72	84		
27	Ice Dead Load	DL					36	42	3	
28	Ice Wind Load (0)	DL					36	42		
29	Ice Wind Load (30)	DL					72	84		
30	Ice Wind Load (60)	DL					72	84		
31	Ice Wind Load (90)	DL					36	42		
32	Ice Wind Load (120)	DL					72	84		
33	Ice Wind Load (150)	DL					72	84		
34	Ice Wind Load (180)	DL					36	42		
35	Ice Wind Load (210)	DL					72	84		
36	Ice Wind Load (240)	DL					72	84		
37	Ice Wind Load (270)	DL					36	42		
38	Ice Wind Load (300)	DL					72	84		
39	Ice Wind Load (330)	DL					72	84		
40	Earthquake (x-directi...	DL	-.121				36			
41	Earthquake (y-directio...	DL		-.121			36			
42	Earthquake (z-directi...	DL			-.048		36			
43	BLC 3 Transient Area...	None						15		
44	BLC 27 Transient Are...	None						15		

Load Combinations

	Description	S...	PDelta	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4D	Y...	Y		3	1.4																		
2	1.2D + 1.0W(0)	Y...	Y		3	1.2	2	1																
3	1.2D + 1.0Di + 1.0Wi(0)	Y...	Y		3	1.2	27	1	28	1														
4	1.2D + 1.5L + 1.0Wl(0)	Y...	Y		3	1.2	1	1.5	15	1														
5	1.2D + 1.0W(30)	Y...	Y		3	1.2	4	1																
6	1.2D + 1.0Di + 1.0Wi(30)	Y...	Y		3	1.2	27	1	29	1														
7	1.2D + 1.5L + 1.0Wl(30)	Y...	Y		3	1.2	1	1.5	16	1														
8	1.2D + 1.0W(60)	Y...	Y		3	1.2	5	1																
9	1.2D + 1.0Di + 1.0Wi(60)	Y...	Y		3	1.2	27	1	30	1														
10	1.2D + 1.5L + 1.0Wl(60)	Y...	Y		3	1.2	1	1.5	17	1														
11	1.2D + 1.0W(90)	Y...	Y		3	1.2	6	1																
12	1.2D + 1.0Di + 1.0Wi(90)	Y...	Y		3	1.2	27	1	31	1														
13	1.2D + 1.5L + 1.0Wl(90)	Y...	Y		3	1.2	1	1.5	18	1														
14	1.2D + 1.0W(120)	Y...	Y		3	1.2	7	1																
15	1.2D + 1.0Di + 1.0Wi(120)	Y...	Y		3	1.2	27	1	32	1														
16	1.2D + 1.5L + 1.0Wl(120)	Y...	Y		3	1.2	1	1.5	19	1														
17	1.2D + 1.0W(150)	Y...	Y		3	1.2	8	1																
18	1.2D + 1.0Di + 1.0Wi(150)	Y...	Y		3	1.2	27	1	33	1														
19	1.2D + 1.5L + 1.0Wl(150)	Y...	Y		3	1.2	1	1.5	20	1														
20	1.2D + 1.0W(180)	Y...	Y		3	1.2	9	1																
21	1.2D + 1.0Di + 1.0Wi(180)	Y...	Y		3	1.2	27	1	34	1														

Load Combinations (Continued)

	Description	S...	PDelta	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
22	1.2D + 1.5L + 1.0Wl(180)	Y...	Y		3	1.2	1	1.5	21	1														
23	1.2D + 1.0W(210)	Y...	Y		3	1.2	10	1																
24	1.2D + 1.0Di + 1.0Wi(210)	Y...	Y		3	1.2	27	1	35	1														
25	1.2D + 1.5L + 1.0Wl(210)	Y...	Y		3	1.2	1	1.5	22	1														
26	1.2D + 1.0W(240)	Y...	Y		3	1.2	11	1																
27	1.2D + 1.0Di + 1.0Wi(240)	Y...	Y		3	1.2	27	1	36	1														
28	1.2D + 1.5L + 1.0Wl(240)	Y...	Y		3	1.2	1	1.5	23	1														
29	1.2D + 1.0W(270)	Y...	Y		3	1.2	12	1																
30	1.2D + 1.0Di + 1.0Wi(270)	Y...	Y		3	1.2	27	1	37	1														
31	1.2D + 1.5L + 1.0Wl(270)	Y...	Y		3	1.2	1	1.5	24	1														
32	1.2D + 1.0W(300)	Y...	Y		3	1.2	13	1																
33	1.2D + 1.0Di + 1.0Wi(300)	Y...	Y		3	1.2	27	1	38	1														
34	1.2D + 1.5L + 1.0Wl(300)	Y...	Y		3	1.2	1	1.5	25	1														
35	1.2D + 1.0W(330)	Y...	Y		3	1.2	14	1																
36	1.2D + 1.0Di + 1.0Wi(330)	Y...	Y		3	1.2	27	1	39	1														
37	1.2D + 1.5L + 1.0Wl(330)	Y...	Y		3	1.2	1	1.5	26	1														
38	1.2D + 1.0E(x) + 1.0E(z) ...	Y...	Y		3	1.2	40	1	42	1	1	1												
39	1.2D + 1.0E(y) + 1.0E(z) ...	Y...	Y		3	1.2	41	1	42	1	1	1												
40	1.2D - 1.0E(x) + 1.0E(z) +...	Y...	Y		3	1.2	40	-1	42	1	1	1												
41	1.2D - 1.0E(y) + 1.0E(z) +...	Y...	Y		3	1.2	41	-1	42	1	1	1												

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	N59	max	1.198	14	2.964	2	2.301	21	5.445	21	.189	6	1.333	32
2		min	-1.203	32	-2.112	20	.934	2	2.119	2	.004	25	-1.338	14
3	N15	max	1.045	8	2.005	2	2.296	6	-1.188	23	5.529	7	1.822	20
4		min	-1.782	26	-2.435	20	.975	23	-3.498	7	1.918	23	-1.826	2
5	N36	max	1.927	14	1.594	2	2.293	36	-.967	17	-2	17	1.698	5
6		min	-1.186	32	-2.017	20	.975	17	-2.58	36	-4.78	36	-1.704	23
7	Totals:	max	3.86	14	6.563	2	6.826	18						
8		min	-3.86	32	-6.563	20	3.282	35						

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

	Member	Shape	Code Check	Lo...	LC	Shear Ch...	Lo...		LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
1	MP ALPHA2	PIPE_2.0	.435	3....	2	.057	3....		2	17.8...	32.13	1.872	1.872	...	H1-...
2	MP BETA2	PIPE_2.0	.434	3....	20	.057	3....		20	17.8...	32.13	1.872	1.872	...	H1-...
3	MP GAMMA2	PIPE_2.0	.434	3....	20	.057	3....		20	17.8...	32.13	1.872	1.872	...	H1-...
4	MP ALPHA3	PIPE_2.0	.416	3....	2	.049	3....		2	17.8...	32.13	1.872	1.872	...	H1-...
5	MP BETA3	PIPE_2.0	.416	3....	20	.049	3....		20	17.8...	32.13	1.872	1.872	...	H1-...
6	MP GAMMA3	PIPE_2.0	.415	3....	20	.049	3....		20	17.8...	32.13	1.872	1.872	...	H1-...
7	SO1	HSS4X4X4	.413	0	19	.073	0	z	4	122....	139....	16.1...	16.1...	...	H1-...
8	SO3	HSS4X4X4	.357	0	6	.073	0	z	21	122....	139....	16.1...	16.1...	...	H1-...
9	SO2	HSS4X4X4	.355	0	15	.073	0	z	15	122....	139....	16.1...	16.1...	...	H1-...
10	SM PL1	5x0.375	.247	.1...	20	.590	0	y	2	59.6...	60.75	.475	6.328	...	H1-...
11	SUPPORT2	L2x2x3	.218	0	5	.015	0	y	24	9.207	23.3...	.558	1.194	...	H2-1
12	SUPPORT4	L2x2x3	.218	0	20	.015	0	y	3	9.207	23.3...	.558	1.203	...	H2-1
13	SM PL4	5x0.375	.198	.1...	35	.559	0	y	18	59.6...	60.75	.475	6.328	...	H1-...
14	SUPPORT5	L2x2x3	.179	0	6	.015	0	y	15	9.207	23.3...	.558	1.239	...	H2-1
15	SM PL6	5x0.375	.178	.1...	5	.561	0	y	24	59.6...	60.75	.475	6.328	...	H1-...
16	CROSSARM4	HSS4X4X4	.178	2....	24	.040	2....	y	3	135....	139....	16.1...	16.1...	...	H1-...
17	CROSSARM6	HSS4X4X4	.178	2....	36	.040	2....	y	18	135....	139....	16.1...	16.1...	...	H1-...
18	CROSSARM2	HSS4X4X4	.177	2....	3	.042	.5...	z	20	135....	139....	16.1...	16.1...	...	H1-...
19	SUPPORT1	L2x2x3	.177	4....	24	.016	0	z	24	9.207	23.3...	.558	1.239	...	H2-1
20	SUPPORT6	L2x2x3	.176	4....	18	.016	0	z	18	9.207	23.3...	.558	1.239	...	H2-1

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

	Member	Shape	Code Check	Lo...	LC	Shear Ch...	Lo...	...	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
21	CROSSARM3	HSS4X4X4	.176	2....	18	.041	2....	y	36	135....	139....	16.1...	16.1...	...	H1-...
22	CROSSARM1	HSS4X4X4	.176	2....	15	.040	2....	y	30	135....	139....	16.1...	16.1...	...	H1-...
23	CROSSARM5	HSS4X4X4	.173	2....	27	.040	2....	y	12	135....	139....	16.1...	16.1...	...	H1-...
24	CORN1	6x0.375	.161	.5...	20	.195	.5...	y	24	35.5...	72.9	.57	9.113	...	H1-...
25	CORN3	6x0.375	.161	.5...	7	.259	.5...	y	22	35.5...	72.9	.57	9.113	...	H1-...
26	SUPPORT3	L2x2x3	.160	4....	3	.016	0	z	3	9.207	23.3...	.558	1.239	...	H2-1
27	FACE2	PIPE_3.0	.146	7....	19	.049	7....		17	28.6...	78.2...	6.899	6.899	...	H1-...
28	CORN2	6x0.375	.140	.5...	35	.198	.5...	y	3	35.5...	72.9	.57	9.113	...	H1-...
29	FACE1	PIPE_3.0	.138	7....	3	.057	6....		2	28.6...	78.2...	6.899	6.899	...	H1-...
30	FACE3	PIPE_3.0	.138	7....	27	.047	6....		23	28.6...	78.2...	6.899	6.899	...	H1-...
31	SM PL2	5x0.375	.138	.1...	20	.586	0	y	3	59.6...	60.75	.475	6.328	...	H1-...
32	C PL5	6x0.375	.129	0	2	.399	.2...	y	3	70.8...	72.9	.57	9.113	...	H1-...
33	SM PL3	5x0.375	.117	0	2	.574	0	y	18	59.6...	60.75	.475	6.328	...	H1-...
34	C PL1	6x0.375	.114	0	17	.389	.2...	y	18	70.8...	72.9	.57	9.113	...	H1-...
35	SM PL5	5x0.375	.110	.1...	5	.572	0	y	24	59.6...	60.75	.475	6.328	...	H1-...
36	MP ALPHA1	PIPE_2.0	.098	3....	2	.013	3....		2	17.8...	32.13	1.872	1.872	...	H1-...
37	MP GAMMA1	PIPE_2.0	.098	3....	20	.013	3....		20	17.8...	32.13	1.872	1.872	...	H1-...
38	MP BETA1	PIPE_2.0	.098	3....	20	.013	3....		20	17.8...	32.13	1.872	1.872	...	H1-...
39	C PL3	6x0.375	.085	0	26	.394	.2...	y	24	70.8...	72.9	.57	9.113	...	H1-...
40	C PL2	6x0.375	.076	.2...	20	.319	0	y	24	70.8...	72.9	.57	9.113	...	H1-...
41	C PL4	6x0.375	.075	0	35	.326	0	y	3	70.8...	72.9	.57	9.113	...	H1-...
42	C PL6	6x0.375	.054	0	8	.323	0	y	18	70.8...	72.9	.57	9.113	...	H1-...

APPENDIX D

Additional Calculations

POD
POWER OF DESIGN

POD Job #	**20-70557**
Site Number	**876384**
Site Name	**WESTBROOK / ORSINA**

Calculations Based on *TIA-222-H*

Reactions from RISA-3D

Moment	5.529	ft-kip
Axial	0.566	kips
Shear	2.058	kips

Capacities

Bolts	*6.8%*
Flange Plate	*80.8%*

Bolt Information

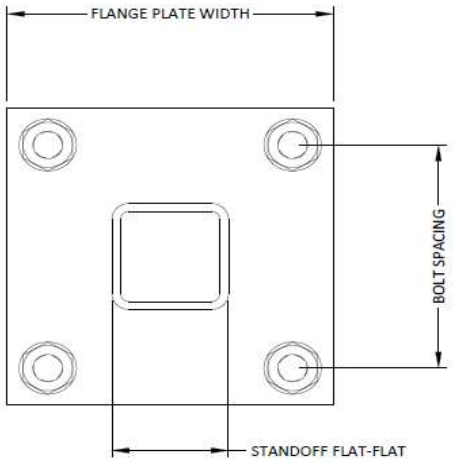
Grade	A325	
Threads in Shear Plane	Included	
Diameter	0.625	in.
Bolt Spacing	6.5	in.
Number of Rods	4	

Flange Plate Inforation

Width	8	in.
Thickness	0.5	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
Fu	120	ksi
ϕR_{nV}	13.81	kips
ϕR_{nt}	20.34	kips
V	0.51	kips
F	5.24	kips
Capacity	6.8%	

Flange Plate Calculations

ϕ	0.9	
Fy	36	ksi
t_{min}	0.24	in
Z	0.5	in^3
ϕM_n	16.2	in-kip
M_u	13.1	in-kip
Capacity	80.8%	

Ver 1.0 - 3/5/2019

APPENDIX E

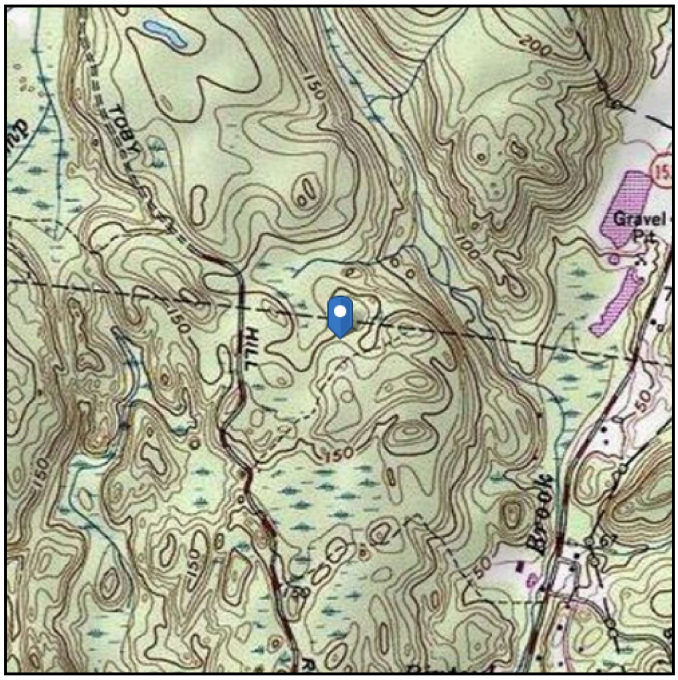
Wind Speed Documentation

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 159.59 ft (NAVD 88)
Latitude: 41.320167
Longitude: -72.441667



Wind

Results:

Wind Speed:	124 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	96 Vmph
100-year MRI	101 Vmph
Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4
Date Accessed:	Wed Oct 14 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 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

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

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

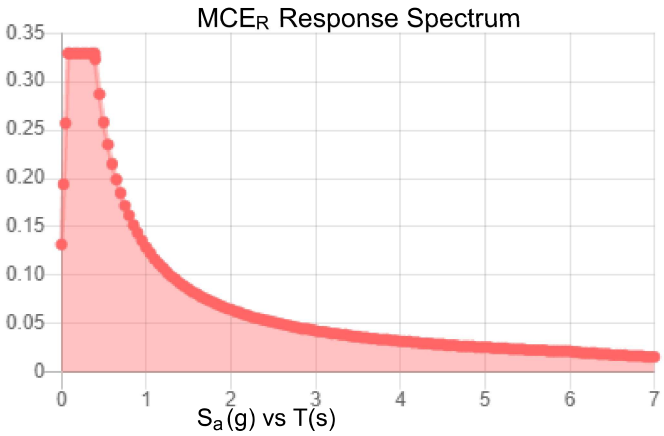
Seismic

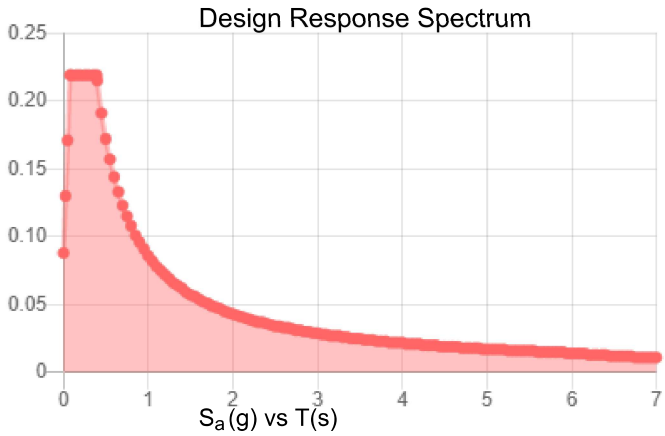
Site Soil Class: D - Default (see Section 11.4.3)

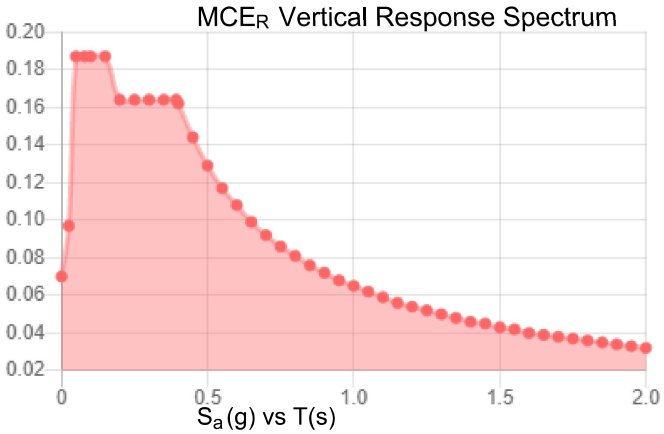
Results:

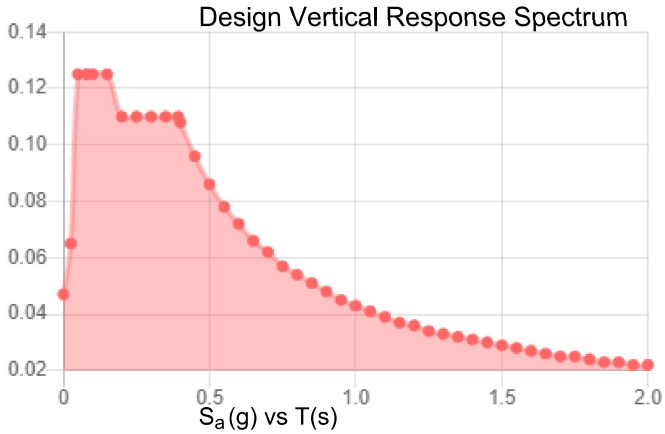
S_S :	0.206	S_{D1} :	0.086
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.115
F_v :	2.4	PGA_M :	0.18
S_{MS} :	0.329	F_{PGA} :	1.57
S_{M1} :	0.129	I_e :	1
S_{DS} :	0.219	C_v :	0.711

Seismic Design Category B









Data Accessed: Wed Oct 14 2020

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

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Wed Oct 14 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 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Exhibit F

Power Density/RF Emissions Report

EBI Consulting

environmental | engineering | due diligence

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT
EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

AT&T Existing Facility

Site ID: 876384

CTL05886
798 Toby Hill Road
Westbrook, Connecticut 06498

December 8, 2020

EBI Project Number: 6220006188

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**12.30%**

21 B Street, Burlington, MA 01803 · Tel: (781) 273.2500 · Fax: (781) 273.3311

December 8, 2020

Emissions Analysis for Site: 876384 - CTL05886

EBI Consulting was directed to analyze the proposed AT&T facility located at **798 Toby Hill Road** in **Westbrook, Connecticut** for the purpose of determining whether the emissions from the Proposed AT&T Antenna Installation located on this property are within specified federal limits.

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

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

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

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limits for the 600 MHz and 700 MHz frequency bands are approximately 400 $\mu W/cm^2$ and 467 $\mu W/cm^2$, respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 11 GHz frequency bands is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure.

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

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed AT&T Wireless antenna facility located at 798 Toby Hill Road in Westbrook, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since AT&T is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was focused at the base of the tower. For this report, the sample point is the top of a 6-foot person standing at the base of the tower.

For all calculations, all equipment was calculated using the following assumptions:

1) 4 LTE channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

2) 4 LTE FN channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

3) 2 UMTS channels (850 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

4) 4 LTE/5G channels (850 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

5) 4 LTE channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

6) 4 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

7) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC

OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.

8) For the following calculations, the sample point was the top of a 6-foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

9) The antennas used in this modeling are the Powerwave 7770 for the 850 MHz channel(s), the CCI OPA65R-BU6DA for the 700 MHz / 1900 MHz channel(s), the CCI DMP65R-BU6DA for the 700 MHz / 850 MHz / 2100 MHz channel(s) in Sector A, the Powerwave 7770 for the 850 MHz channel(s), the CCI OPA65R-BU6DA for the 700 MHz / 1900 MHz channel(s), the CCI DMP65R-BU6DA for the 700 MHz / 850 MHz / 2100 MHz channel(s) in Sector B, the Powerwave 7770 for the 850 MHz channel(s), the CCI OPA65R-BU6DA for the 700 MHz / 1900 MHz channel(s), the CCI DMP65R-BU6DA for the 700 MHz / 850 MHz / 2100 MHz channel(s) in Sector C. This is based on feedback from the carrier with regard to anticipated antenna selection. All Antenna gain values and associated transmit power levels are shown in the Site Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

10) The antenna mounting height centerline of the proposed antennas is 130 feet above ground level (AGL).

11) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

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

AT&T Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Powerwave 7770	Make / Model:	Powerwave 7770	Make / Model:	Powerwave 7770
Frequency Bands:	850 MHz	Frequency Bands:	850 MHz	Frequency Bands:	850 MHz
Gain:	11.5 dBd	Gain:	11.5 dBd	Gain:	11.5 dBd
Height (AGL):	130 feet	Height (AGL):	130 feet	Height (AGL):	130 feet
Channel Count:	2	Channel Count:	2	Channel Count:	2
Total TX Power (W):	80 Watts	Total TX Power (W):	80 Watts	Total TX Power (W):	80 Watts
ERP (W):	1,130.03	ERP (W):	1,130.03	ERP (W):	1,130.03
Antenna A1 MPE %:	**0.42%**	Antenna B1 MPE %:	**0.42%**	Antenna C1 MPE %:	**0.42%**
Antenna #:	**2**	Antenna #:	**2**	Antenna #:	**2**
Make / Model:	CCI OPA65R-BU6DA	Make / Model:	CCI OPA65R-BU6DA	Make / Model:	CCI OPA65R-BU6DA
Frequency Bands:	700 MHz / 1900 MHz	Frequency Bands:	700 MHz / 1900 MHz	Frequency Bands:	700 MHz / 1900 MHz
Gain:	12.15 dBd / 15.95 dBd	Gain:	12.15 dBd / 15.95 dBd	Gain:	12.15 dBd / 15.95 dBd
Height (AGL):	130 feet	Height (AGL):	130 feet	Height (AGL):	130 feet
Channel Count:	8	Channel Count:	8	Channel Count:	8
Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts
ERP (W):	8,921.74	ERP (W):	8,921.74	ERP (W):	8,921.74
Antenna A2 MPE %:	**2.54%**	Antenna B2 MPE %:	**2.54%**	Antenna C2 MPE %:	**2.54%**
Antenna #:	**3**	Antenna #:	**3**	Antenna #:	**3**
Make / Model:	CCI DMP65R-BU6DA	Make / Model:	CCI DMP65R-BU6DA	Make / Model:	CCI DMP65R-BU6DA
Frequency Bands:	700 MHz / 850 MHz / 2100 MHz	Frequency Bands:	700 MHz / 850 MHz / 2100 MHz	Frequency Bands:	700 MHz / 850 MHz / 2100 MHz
Gain:	11.85 dBd / 12.45 dBd / 15.55 dBd	Gain:	11.85 dBd / 12.45 dBd / 15.55 dBd	Gain:	11.85 dBd / 12.45 dBd / 15.55 dBd
Height (AGL):	130 feet	Height (AGL):	130 feet	Height (AGL):	130 feet
Channel Count:	12	Channel Count:	12	Channel Count:	12
Total TX Power (W):	480 Watts	Total TX Power (W):	480 Watts	Total TX Power (W):	480 Watts
ERP (W):	11,005.17	ERP (W):	11,005.17	ERP (W):	11,005.17
Antenna A3 MPE %:	**3.39%**	Antenna B3 MPE %:	**3.39%**	Antenna C3 MPE %:	**3.39%**

Site Composite MPE %	
Carrier	**MPE %**
AT&T (Max at Sector A):	6.35%
Verizon	3.36%
Sprint	2.59%
Site Total MPE % :	12.30%

AT&T MPE % Per Sector	
AT&T Sector A Total:	6.35%
AT&T Sector B Total:	6.35%
AT&T Sector C Total:	6.35%
Site Total MPE % :	12.30%

AT&T Maximum MPE Power Values (Sector A)

AT&T Frequency Band / Technology (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density (μW/cm²)	Frequency (MHz)	Allowable MPE (μW/cm²)	Calculated % MPE
AT&T 850 MHz UMTS	2	565.02	130.0	2.40	850 MHz UMTS	567	0.42%
AT&T 700 MHz LTE FN	4	656.24	130.0	5.58	700 MHz LTE FN	467	1.20%
AT&T 1900 MHz LTE	4	1574.20	130.0	13.40	1900 MHz LTE	1000	1.34%
AT&T 700 MHz LTE	4	612.43	130.0	5.21	700 MHz LTE	467	1.12%
AT&T 850 MHz LTE/5G	4	703.17	130.0	5.98	850 MHz LTE/5G	567	1.06%
AT&T 2100 MHz LTE	4	1435.69	130.0	12.22	2100 MHz LTE	1000	1.22%
						Total:	**6.35%**

• NOTE: Totals may vary by approximately 0.01% due to summation of remainders in calculations.

Summary

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

The anticipated maximum composite contributions from the AT&T facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

AT&T Sector	Power Density Value (%)
Sector A:	6.35%
Sector B:	6.35%
Sector C:	6.35%
AT&T Maximum MPE % (Sector A):	6.35%
Site Total:	12.30%
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **12.30%** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

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