



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

December 21, 2021

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

RE: **Notice of Exempt Modification for Sprint
Crown Site ID#806939; Sprint Site ID#CT11584A
800 Ogg Meadow Road., ORANGE, CT 06477
Latitude: 41° 18' 28.36"/ Longitude: -73° 1' 56.22"**

Dear Ms. Bachman:

Sprint currently maintains (6) antennas at the 137-foot mounts on the existing 161-foot Monopole Tower located at **800 Ogg Meadow Road., ORANGE**. The property is Co-owned by South Central Regional Water Authority and Crown Atlantic Company LLC. The Tower is owned by Crown Castle. Sprint now intends to replace six (6) antennas. This modification/proposal includes hardware that is both 4G(LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Planned Modifications:

Tower:

REMOVE AND REPLACE

- (3) RFS/Celwave – APXVTM14-C-120 Antennas (**REMOVE**), (3) RFS – APXVAALL24_43-U-NA20 (**REPLACE**)
- (3) RFS/Celwave – APXVSPP18-C-A20 Antennas (**REMOVE**), (3) Ericsson – AIR6449 B41 antennas (**REPLACE**)
- (1) Sprint Dish Andrew – VHLP2-11 & Dragonwave – Horizon Duo (**REMOVE**)
- (3) Alcatel Lucent – TD-RRH8X20-25 Remote Radio Heads (**REMOVE**), Ericsson – Radio 4480 B71+B85 Remote Radio Heads (**REPLACE**)
- (3) Alcatel Lucent – 1900MHZ Remote Radio Heads (65MHZ) (**REMOVE**), Ericsson – Radio 4460 B25+B66 Remote Radio Heads (**REPLACE**)
- (3) Alcatel Lucent – 800 MHZ Remote Radio Heads (**REMOVE**)
- (3) Alcatel Lucent – 800 External Notch Filter (**REMOVE**)
- (9) RFS/Celwave – ACU-A20-N (**REMOVE**)
- (*) RRH Mount to be removed
- (*) Existing platform to be modified
- (3) Hybrid Cable (**REMOVE**), (3) Hybrid Cable inside monopole (**REPLACE**)

INSTALL:

- (3) RFS-APX16DWV-16DWV-S-E-A20 antennas

Ground:

REMOVE:

- (1) Sprint MMBS Cabinet

The Foundation for a Wireless World.

CrownCastle.com



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INSTALL:

- (1) 6160 Battery Cabinet, (1) B160 Battery Cabinet, (1) DUG20 in (P) cabinet
- (2) BB6648 in (P) cabinet, (1) IXRE Router in (P) cabinet
- (1) 2" LTFC BET. 6160 & B160
- (1) 2" PVC (SCH.40) BET. 6160 & PPC
- (1) 1" PVC (SCH. 40) BET. 6160 & AAV
- (*) upgrade existing power service to 200A

The Facility was approved by the Connecticut Siting Council on August 6, 1997, Docket#177A. The approval was with conditions which this exempt modification complies with.

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 James M. Zeoli, Town of Orange First Selectman, Jack Demirjian, Zoning administrator & Enforcement Officer, and Crown Castle who owns the property and tower.

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, Sprint respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. §16-50j-72(b)(2).

Sincerely,

Ersilia Davis

Ersilia Davis
Crown Castle Agent for Applicant
1777 Sentry Parkway W | VEVA 17, Suite 400,
Blue Bell, PA | 19422
M 551-804-0667 /edavis@nbccllc.com



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

cc:

James M. Zeoli, First Selectman
617 Orange Center Road
Orange, CT 06477
(203) 891-4737
(Via Fedex)

Jack Demirjian, Zoning Administrator & Enforcement Officer
617 Orange Center Road
Orange, CT 06477
(203) 891-4746
(Via Fedex)

Crown Castle, Property & Tower Owner



TRACK ANOTHER SHIPMENT

775566710553

ADD NICKNAME



Delivered
Wednesday, 12/22/2021 at 12:44 pm



DELIVERED

Signed for by: A.ANNE

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

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

TO

James M. Zeoli
Town of Orange
617 Orange Center Road
ORANGE, CT US 06477
203-891-4737

MANAGE DELIVERY

Travel History

TIME ZONE
Local Scan Time

Wednesday, December 22, 2021			▼
12:44 PM	ORANGE, CT	Delivered	
9:41 AM	NORTH HAVEN, CT	On FedEx vehicle for delivery	
8:36 AM	NORTH HAVEN, CT	At local FedEx facility	
4:54 AM	NEWARK, NJ	Departed FedEx hub	
Tuesday, December 21, 2021			▼
11:24 PM	NEWARK, NJ	Arrived at FedEx hub	
10:08 PM	NEWBURGH, NY	Left FedEx origin facility	



TRACK ANOTHER SHIPMENT

775566767210

ADD NICKNAME



Delivered
Wednesday, 12/22/2021 at 12:48 pm



DELIVERED
Signed for by: T.TRACY
GET STATUS UPDATES
OBTAIN PROOF OF DELIVERY

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

TO
Jack Demirjian, Zoning Administrator
Town of Orange
617 Orange Center Road
ORANGE, CT US 06477
203-891-4746

MANAGE DELIVERY

Travel History

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NEWARK, NJ

Arrived at FedEx hub

10:08 PM

NEWBURGH, NY

Left FedEx origin facility

Exhibit A

Original Facility Approval

Connecticut Siting Council^(/CSC)

[CT.gov Home](#) [./\(\)](#) [Connecticut Siting Council](#) [./CSC\)](#) DOCKET NO. 177A

- [Decisions \(/CSC/Decisions/Decisions\).](#) >
- [Meetings and Minutes \(/CSC/Common-Elements/v4-template/Council-Activity\).](#) >
- [Pending Matters \(/CSC/1_Applications-and-Other-Pending-Matters/Pending-Matters\).](#) >
- [About Us \(/CSC/Common-Elements/Common-Elements/Connecticut-Siting-Council---Description\).](#) >
- [Contact Us \(/CSC/Common-Elements/Common-Elements/Contact-Us\).](#) >

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DOCKET NO. 177A - An amended application of Cellco Partnership d/b/a Bell Atlantic NYNEX Mobile for a Certificate of Environmental Compatibility and Public Need for a two cell-site configuration in the Town of Orange. The proposed Prime A site would be located approximately 875 feet east of Orange Center Road at the rear of the High Plains Community Center, 525 Orange Center Road, with the Prime B site located approximately 400 feet northwest from the end of Ogg Meadow Road. These sites would replace the previously proposed Camp Cedarcrest site. A proposed alternate site is located within a 5.5 acre parcel of property approximately 250 feet south and west of Robert Treat Drive Extension, Orange, Connecticut.

ConnecticutSitingCouncil

August 6, 1997

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a two-cell site configuration consisting of a prime A site at the High Plains Community Center property on Orange Center Road and a prime B site on South Central Regional Water Authority (SCRWA) property located off the end of Ogg Meadow Road in Orange, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Cellco Partnership d/b/a Bell Atlantic NYNEX Mobile (BANM) for the construction, operation, and maintenance of two cellular telecommunications towers and associated equipment. We deny the alternate site on Robert Treat Drive Extension.

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

1. The towers shall be constructed as proposed, no taller than necessary to provide the proposed communications service, sufficient to accommodate the antennas of BANM, Springwiche Cellular Limited Partnership (Springwiche), Smart SMR of New York, Inc. d/b/a Nextel Communications (Nextel), and Sprint Spectrum L.P. d/b/a Sprint PCS (Sprint). Neither tower, excluding antennas, shall exceed 160 feet above ground level.
2. The Certificate Holder shall prepare Development and Management (D&M) Plans for the prime A and prime B sites in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plans shall be submitted to and approved by the Council prior to the commencement of facility construction. The prime A D&M plan shall include a tower and foundation plan, signed by a professionally licensed engineer, designed to be safe and adequate to protect the electric supply system, and provisions for landscaping, architectural treatment, and traffic management consistent with terms established with the Town. The prime B D&M plan shall include relocation of the prime B tower within the leased parcel to prevent the fall zone of the tower from crossing paved sections of the Route 15 right-of-way; a tower and foundation plan, signed by a professionally licensed engineer; plans for dewatering the site if necessary; installation of a propane tank to fuel the emergency generator; placement of a counter-sunk and sealed concrete floor for the equipment building; traffic management with schedule to construct during daytime hours; and best management practices for on-site use of construction equipment. In addition, we will require landscaping and the establishment of vegetation to stabilize the site consistent with watershed management plans. Both site plans shall provide specifications for the placement of all antennas to be attached to the towers, and plans for the equipment buildings, foundation pads for Sprint's equipment, security fencing and gate, access roads, utility lines, site clearing, tree trimming, and erosion and sedimentation control consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
3. Consistent with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council notification of:
 - a. commencement of construction;
 - b. completion of construction;
 - c. completion of site rehabilitation;
 - d. commencement of operation;
 - e. transfer of ownership of the prime A tower to the Town of Orange; and
 - f. final construction cost.
4. Upon the establishment of any new State or federal radio frequency power density standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
5. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.
6. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
7. If the facility does not initially provide, or permanently ceases to provide telecommunications services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapplication for any continued or new use shall be made to the Council before any such use is made.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

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

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

The parties and intervenors to this proceeding are:

APPLICANT

Cellco Partnership d/b/a

ITS REPRESENTATIVE

Kenneth C. Baldwin, Esq.
Brian C. S. Freeman, Esq.
Bell Atlantic NYNEX Mobile
Robinson & Cole
One Commercial Plaza
Hartford, CT 06103-3597
Mr. David S. Malko, P.E.
Jennifer Young Gaudet, Mgr. - Regulatory
Bell Atlantic NYNEX Mobile
20 Alexander Drive
Wallingford, CT 06492

PARTY

Residents of Robert Treat Extension,
Elvera Spinaci
Ross Court, and Mapledale Road
829 Robert Treat Extension
Orange, CT 06477

INTERVENOR

Eugene Burshuliak
864 Mapledale Road
Orange, CT 06477

INTERVENOR

Springwich Cellular Limited Partnership

ITS REPRESENTATIVE

Peter J. Tyrrell, Esq.
Springwich Cellular Limited Partnership
500 Enterprise Drive
Rocky Hill, CT 06067-3900

PARTY

Town of Orange

ITS REPRESENTATIVE

Francis A. Teodosio, Esq.
Orange Town Hall
617 Orange Center Road
Orange, CT 06477

INTERVENOR

Smart SMR of New York, Inc.

ITS REPRESENTATIVE

Christopher B. Fisher, Esq.
d/b/a Nextel Communications Cuddy, Feder & Worby
90 Maple Avenue
White Plains, NY 10601-5196

PARTY

John Rechi
805 Grassy Hill Road
Orange, CT 06477

PARTY

Erwin H. Levine
875 Robert Treat Extension
Orange, CT 06477

PARTY

Jeffery Friedrichs
248 Ross Court
Orange, CT 06477

PARTY

Orange Land Trust, Inc.

ITS REPRESENTATIVE

Edmund B. Tucker, President
Orange Land Trust, Inc.
433 Pudden Lane
Orange, CT 06477

INTERVENOR

Sprint Spectrum L.P.

ITS REPRESENTATIVE

Elias A. Alexiades, Esq.
d/b/a Sprint PCS Andrew C. Kruger, Esq.
Harris, Beach & Wilcox, LLP
147 North Broad Street
Milford, CT 06460

PARTY

Jay Nastri
820 Ogg Meadow Road
Orange, CT 06477

Exhibit B

Property Card

800 OGG MEADOW RD

Location	800 OGG MEADOW RD	Mblu	97/ 4/ 2-1/ /
Acct#	85805	Owner	SOUTH CENTRAL REGIONAL WATER AUTHORITY
Assessment	\$71,900	Appraisal	\$102,500
PID	5565	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2017	\$24,800	\$77,700	\$102,500
Assessment			
Valuation Year	Improvements	Land	Total
2017	\$17,500	\$54,400	\$71,900

Owner of Record

Owner	SOUTH CENTRAL REGIONAL WATER AUTHORITY	Sale Price	\$0
Co-Owner	CROWN ATLANTIC COMPANY LLC	Certificate	
Address	4017 WASHINGTON RD PMB 353 MCMURRAY, PA 15317	Book & Page	
		Sale Date	

Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
SOUTH CENTRAL REGIONAL WATER AUTHORITY	\$0			

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost
Less Depreciation: \$0

Building Attributes	
Field	Description

Style	Vacant Land
Model	
Stories	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Floor 1	
Interior Floor 2	
Heat Fuel	
Heat Type	
AC Type	
Bedrooms	
Full Baths	
Half Baths	
Extra Fixtures	
Total Rooms	
Stacks	
Fireplace(s)	
Gas Fireplace(s)	
Attic	
Frame	
Traffic	
Bsmt Gar(s)	
SF FBM	
SF Rec Rm	
Basement	
Bsmt Floor	

Building Photo



(http://images.vgsi.com/photos/OrangeCTPhotos/\00\00\50\27.JPG)

Building Layout

(http://images.vgsi.com/photos/OrangeCTPhotos//Sketches/5565_5565.jpg)

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

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use		Land Line Valuation	
Use Code	520	Size (Acres)	0.23

Description

Zone

Neighborhood

Alt Land Appr

Category

Comm Vacant

RES

010

No

Frontage

Depth

Assessed Value

Appraised Value

\$54,400

\$77,700

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD1	Shed - Wood			400 UNITS	\$5,500	1
SHD1	Shed - Wood			400 UNITS	\$5,500	1
SHD9	Shed - Block			400 UNITS	\$6,300	1
SHD7	Cell Shed			200 UNITS	\$7,500	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$24,800	\$77,700	\$102,500
2018	\$24,800	\$77,700	\$102,500
2017	\$24,800	\$77,700	\$102,500

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$17,500	\$54,400	\$71,900
2018	\$17,500	\$54,400	\$71,900
2017	\$17,500	\$54,400	\$71,900

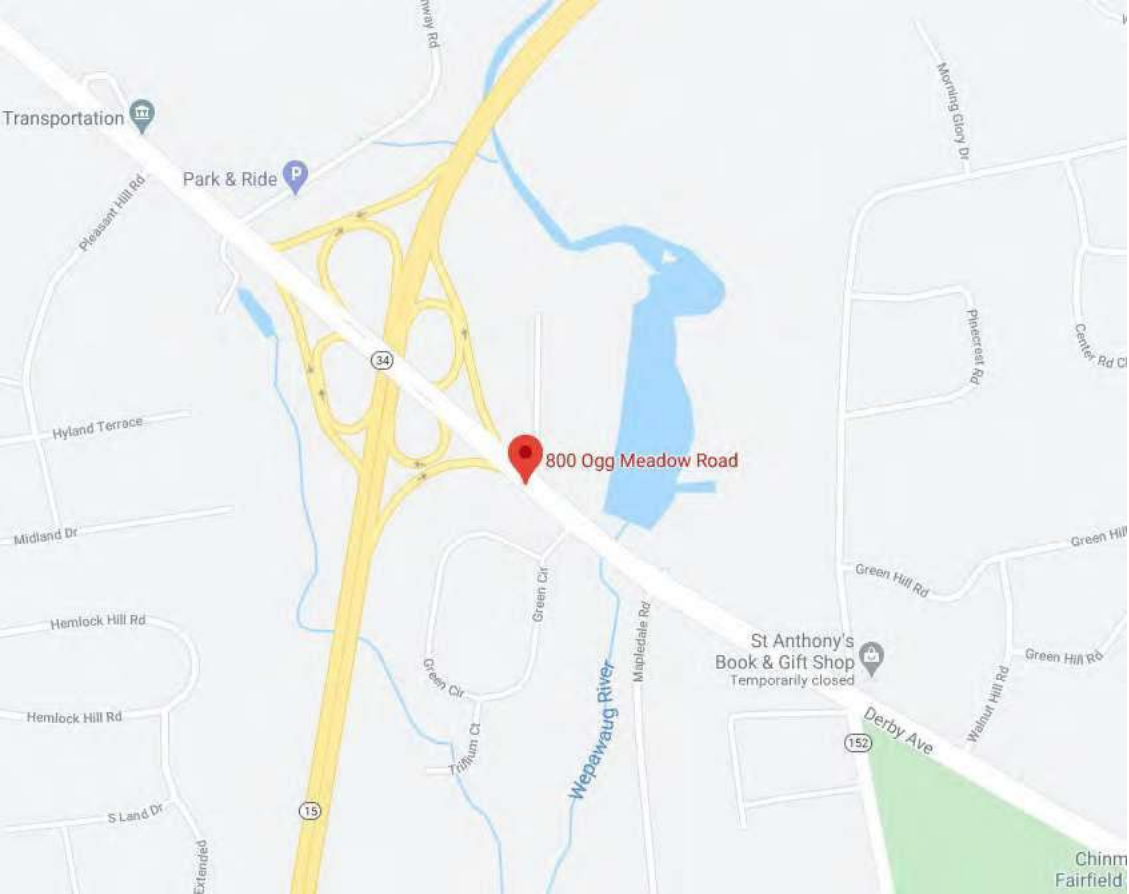


Exhibit C

Construction Drawings

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." IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GREENFIELD GROUNDING NOTES:

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

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
CARRIER: T–MOBILE
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° AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE–THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER–TO–CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
#4 BARS AND SMALLER.....40 ksi
#5 BARS AND LARGER.....60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3"
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 BARS AND LARGER.....2"
#5 BARS AND SMALLER.....1–1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
SLAB AND WALLS.....3/4"
BEAMS AND COLUMNS.....1–1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (I.E. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SNEW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD 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 "T–MOBILE".
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
	A PHASE	BLACK
120/208V, 3Ø	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
	GROUND	GREEN
	A PHASE	BROWN
277/480V, 3Ø	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
	POS (+)	RED**
DC VOLTAGE	NEG (–)	BLACK**

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

ABBREVIATIONS:

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

APWA UNIFORM COLOR CODE:

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

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T-MOBILE SITE NUMBER:

CT11584A

BU #: 806939

NHV 2071 143137

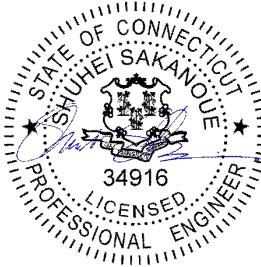
800 OGG MEADOW ROAD

ORANGE, CT 06477

EXISTING 161'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/17/2021	TJ	FINAL	SS
1	12/01/2021	TJ	MA NOTE UPDATE	SS



12/01/2021

IT IS A VIOLATION OF LAW FOR ANY PERSON,
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OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

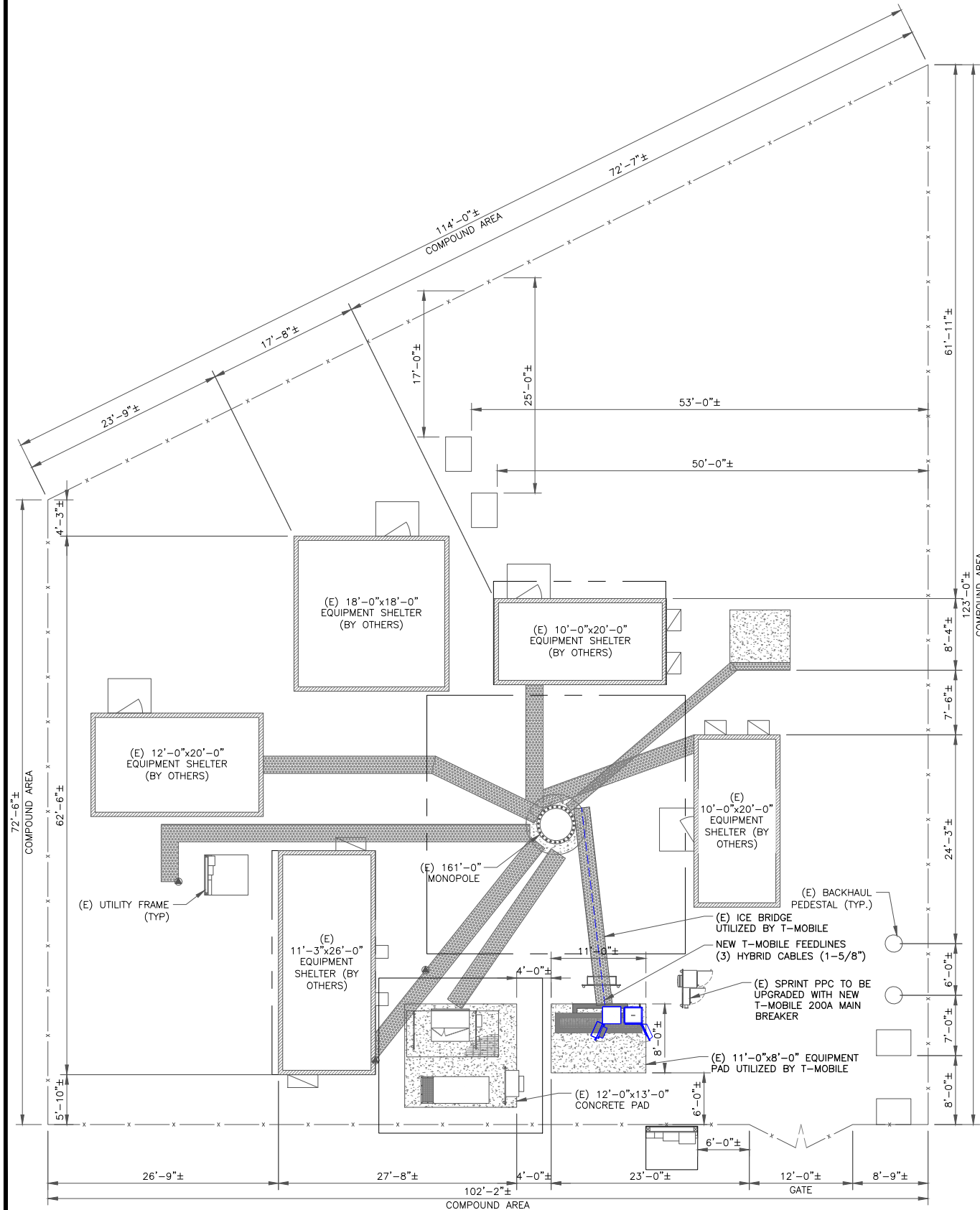
SHEET NUMBER:

T-2

REVISION:

1

1. PLANS BASED ON SITE PLAN PROVIDED BY TOWER OWNER AND SITE VISIT PERFORMED BY INFINIGY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATION/ORIENTATION OF EXISTING T-MOBILE EQUIPMENT.



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



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

(E) ICE BRIDGE UTILIZED BY T-MOBILE

NEW T-MOBILE FEEDLINES
(3) HYBRID CABLES (1-5/8")

(E) JUNCTION BOX UTILIZED BY T-MOBILE

(E) SPRINT MMBS CABINET TO BE REMOVED

(E) CIENA BOX UTILIZED BY T-MOBILE

(E) TELCO & PPC CABINET UTILIZED BY T-MOBILE

(E) SPRINT PPC TO BE UPGRADED WITH NEW T-MOBILE 200A MAIN BREAKER

NEW T-MOBILE
(1) 2" LTFC BET. 6160 & B160
(2) 2" PVC (SCH. 40) BET. 6160 & PPC
(1) 1" PVC (SCH. 40) BET. 6160 & AAV

NEW T-MOBILE B160 BATTERY CABINET

NEW T-MOBILE 6160 CABINET W/
• INSTALL (1) BB 6648 FOR L2500 AND N2500
• INSTALL (1) BB648 FOR L1900/L2100/L600/N600/L700
• INSTALL (1) PSU4813 VOLTAGE BOOSTER
• INSTALL (1) CSR 1XR6 ROUTER

(E) SPRINT BBU CABINET TO BE REMOVED

4'-10"±

4'-0"±

2'-0"±

2'-0" MIN.

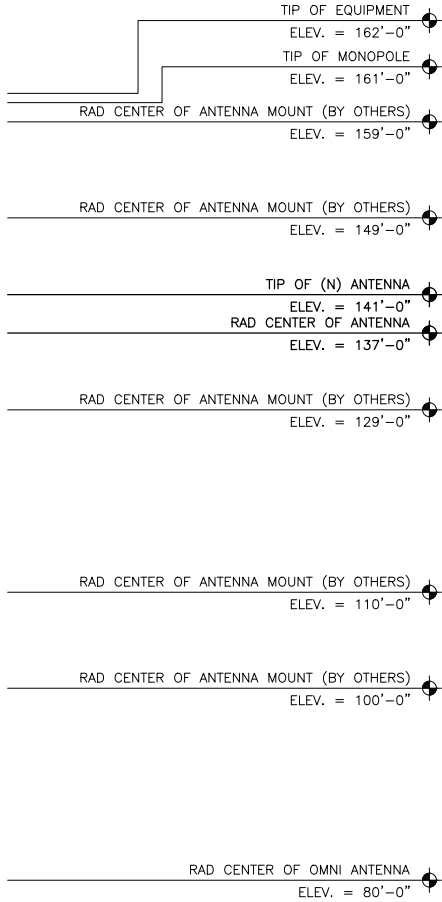
SCALE: 1"=1'-0" (FULL SIZE)
1/2"=1'-0" (11x17)



1

NOTES:

- ELEVATION BASED ON DRAWING PROVIDED BY TOWER OWNER. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATION/ORIENTATION OF EXISTING EQUIPMENT.
- INFINIGY HAS NOT EVALUATED THE TOWER OR MOUNT STRUCTURE AND ASSUMES NO RESPONSIBILITY FOR THEIR STRUCTURAL INTEGRITY REGARDING PROPOSED LOADINGS. FINAL INSTALLATION SHALL COMPLY WITH RESULTS OF PASSING STRUCTURAL ANALYSES PERFORMED BY OTHERS.



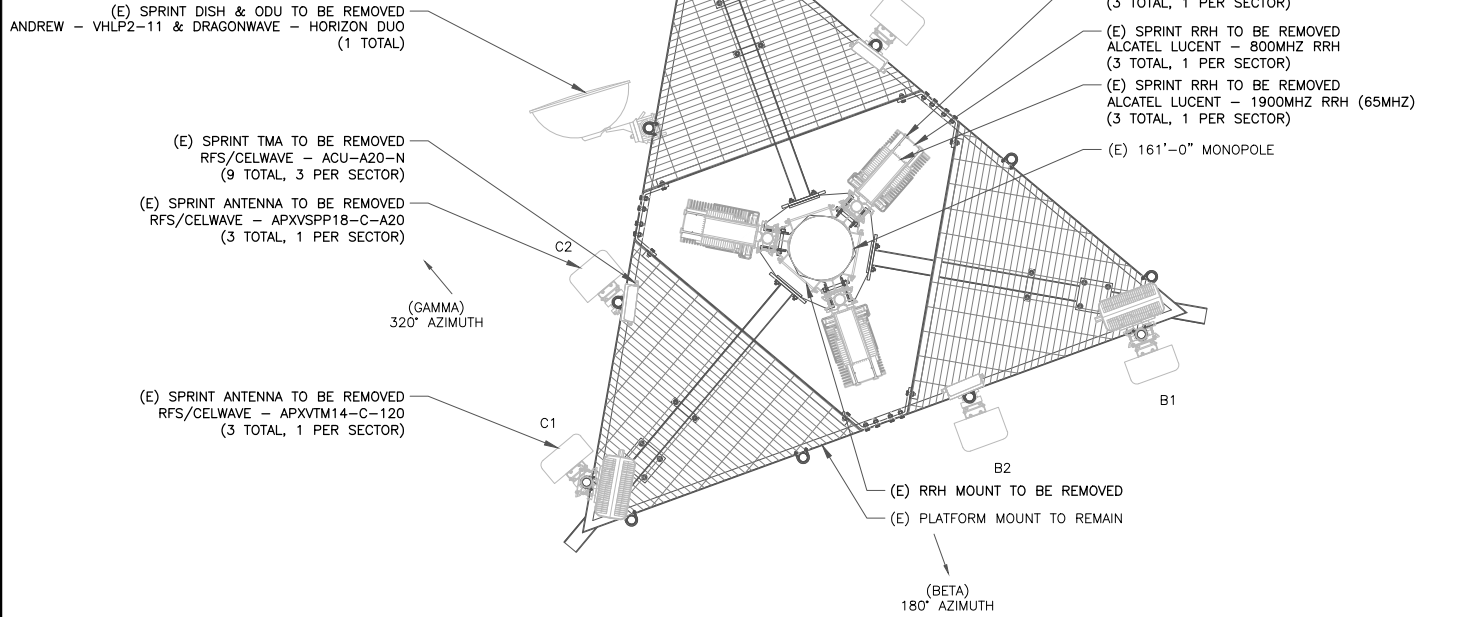
T-MOBILE EQUIPMENT

ANTENNA CL: 137'-0"

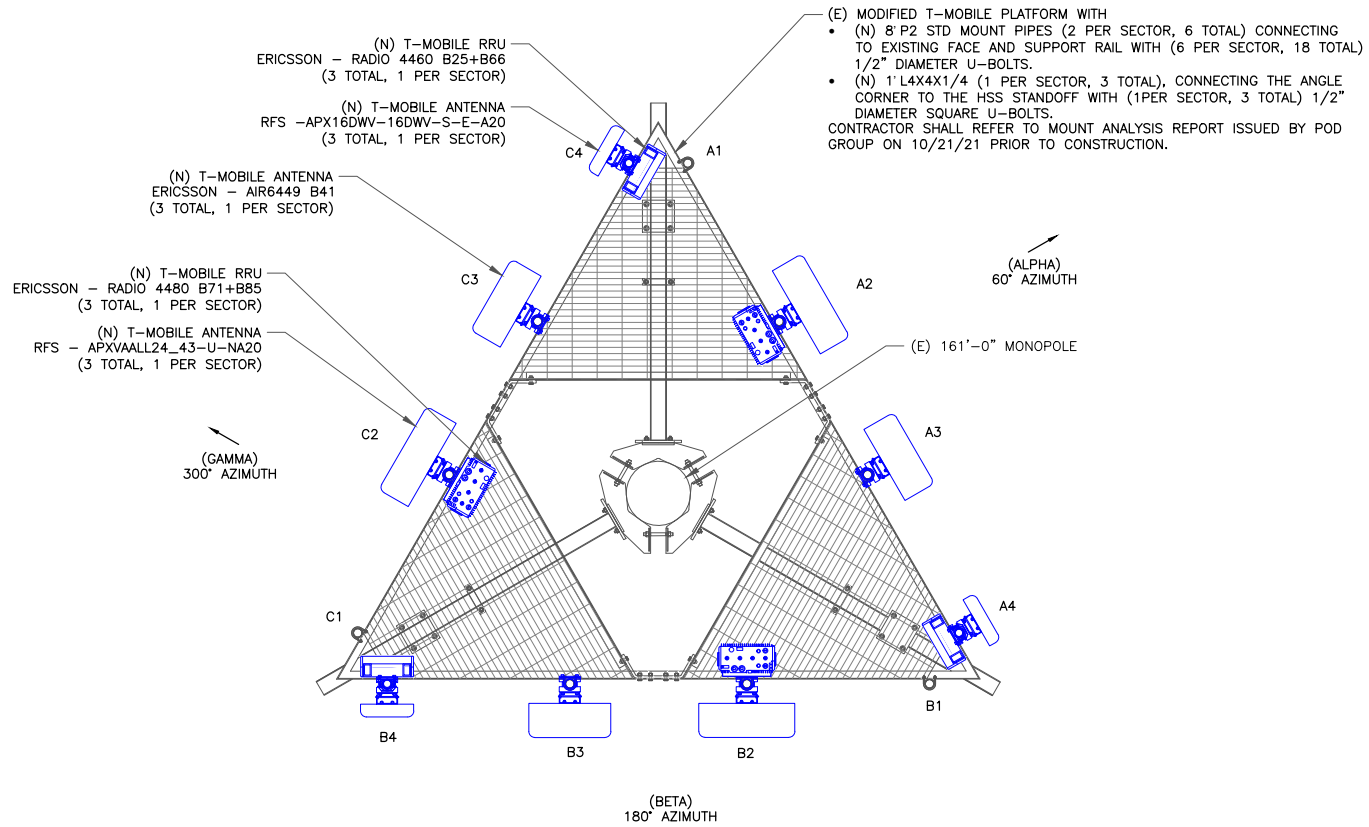
MOUNT CL: 137'-0"

ANY AND ALL TOWER MOUNTED EQUIPMENT MUST NOT TRAP OR INTERFERE W/ EXISTING SAFETY CLIMB

1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA LAYOUT
SCALE: NOT TO SCALE



3 FINAL ANTENNA LAYOUT
SCALE: NOT TO SCALE

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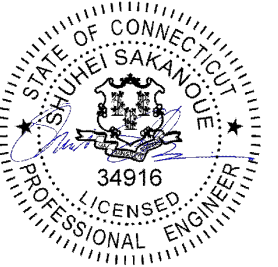
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EXISTING 161'-0" MONOPOLE

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12/01/2021

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SHEET NUMBER:

C-2

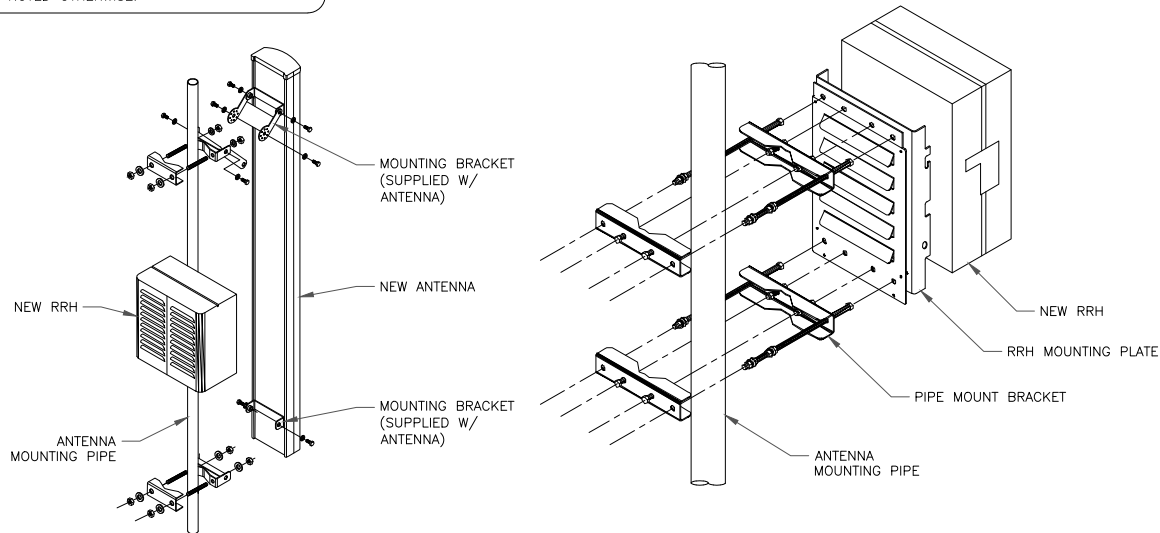
REVISION:

1

ANTENNA SCHEDULE										
SECTOR	POS.	TECHNOLOGY	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
ALPHA	A1	—	—	—	—	—	—	—	—	(3) 1-5/8" HYBRID (SHARED)
ALPHA	A2	LTE 600/700/N600	137'-0"	60°	RFS	APXVAALL24_43-U-NA20	—	—	(1) ERICSSON — RRUS 4480 B71+B85	
ALPHA	A3	LTE 2500, N2500	137'-0"	60°	ERICSSON	AIR6449 B41	—	—	—	
ALPHA	A4	LTE L2100/1900,G1900	137'-0"	60°	RFS	APX16DWV-16DWV-S-E-A20	—	—	(1) ERICSSON — RRUS 4460 B25+B66	
BETA	B1	—	—	—	—	—	—	—	—	(3) 1-5/8" HYBRID (SHARED)
BETA	B2	LTE 600/700/N600	137'-0"	180°	RFS	APXVAALL24_43-U-NA20	—	—	(1) ERICSSON — RRUS 4480 B71+B85	
BETA	B3	LTE 2500, N2500	137'-0"	180°	ERICSSON	AIR6449 B41	—	—	—	
BETA	B4	LTE L2100/1900,G1900	137'-0"	180°	RFS	APX16DWV-16DWV-S-E-A20	—	—	(1) ERICSSON — RRUS 4460 B25+B66	
GAMMA	C1	—	—	—	—	—	—	—	—	(3) 1-5/8" HYBRID (SHARED)
GAMMA	C2	LTE 600/700/N600	137'-0"	300°	RFS	APXVAALL24_43-U-NA20	—	—	(1) ERICSSON — RRUS 4480 B71+B85	
GAMMA	C3	LTE 2500, N2500	137'-0"	300°	ERICSSON	AIR6449 B41	—	—	—	
GAMMA	C4	LTE L2100/1900,G1900	137'-0"	300°	RFS	APX16DWV-16DWV-S-E-A20	—	—	(1) ERICSSON — RRUS 4460 B25+B66	

1 ANTENNA AND CABLE SCHEDULE
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.



NOTE:
1. CONTRACTOR SHALL INSTALL 3RD DUAL RRH MOUNT TO ACCOMMODATE ALL RRH BRACKETS HOLES IF NECESSARY.

2 ANTENNA WITH RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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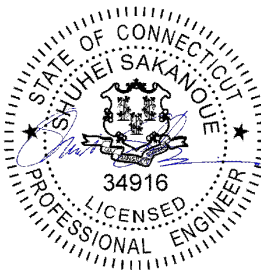
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NHV 2071 143137

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ORANGE, CT 06477

EXISTING 161'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/17/2021	TJ	FINAL	SS
1	12/01/2021	TJ	MA NOTE UPDATE	SS



12/01/2021

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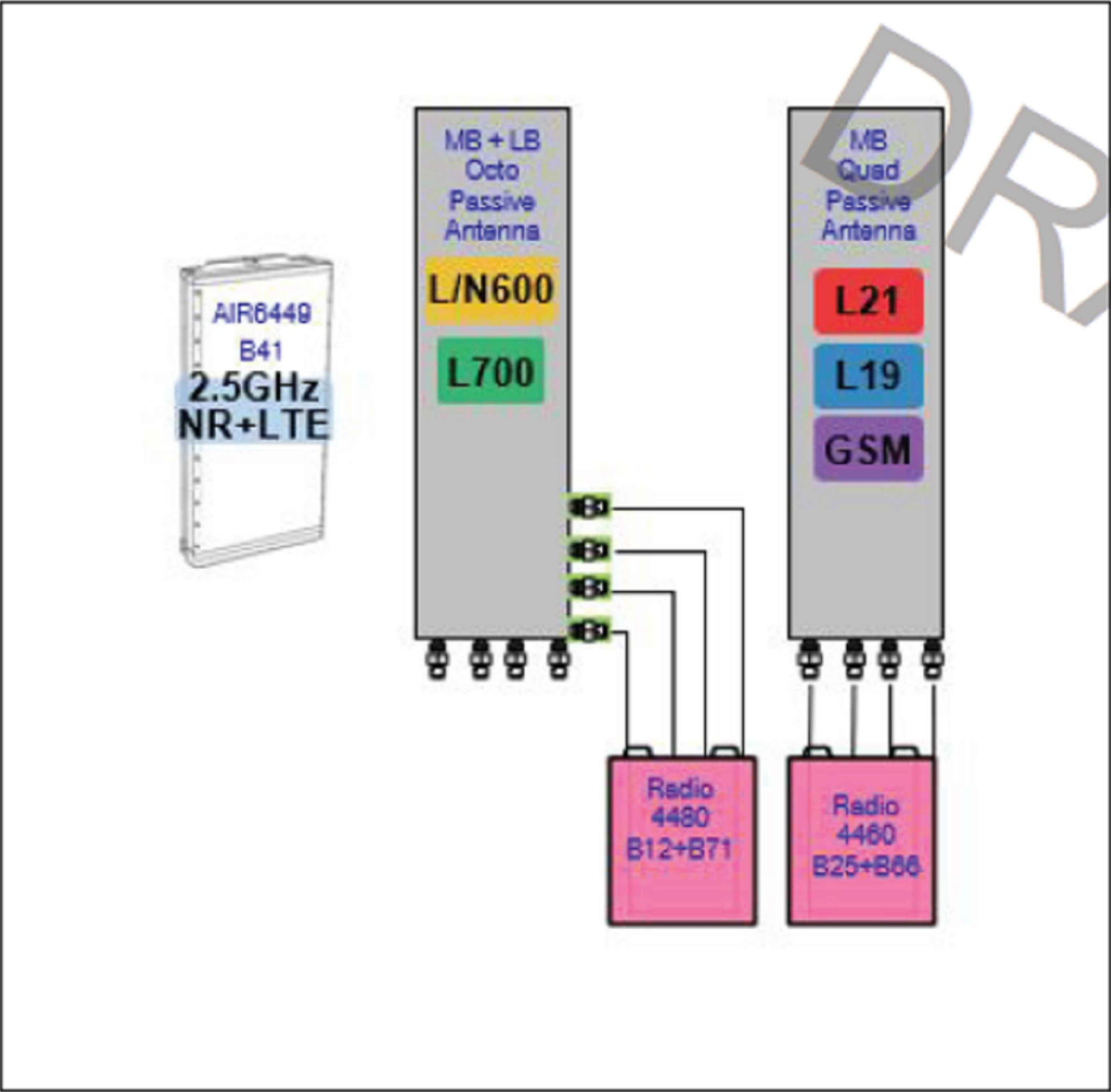
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C-3

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Notes:

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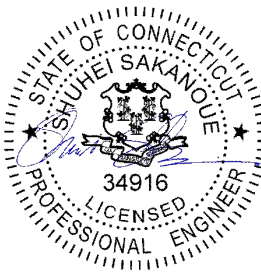
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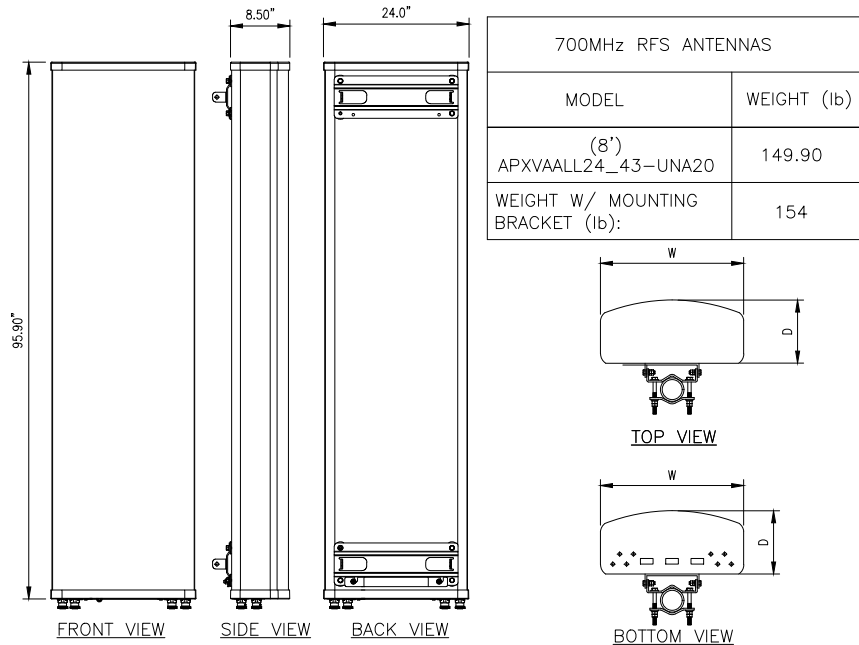
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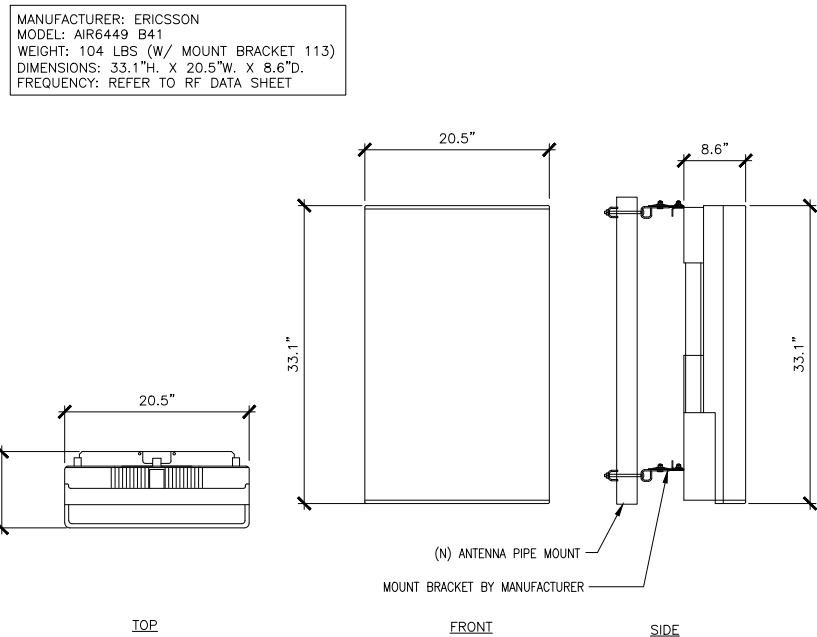
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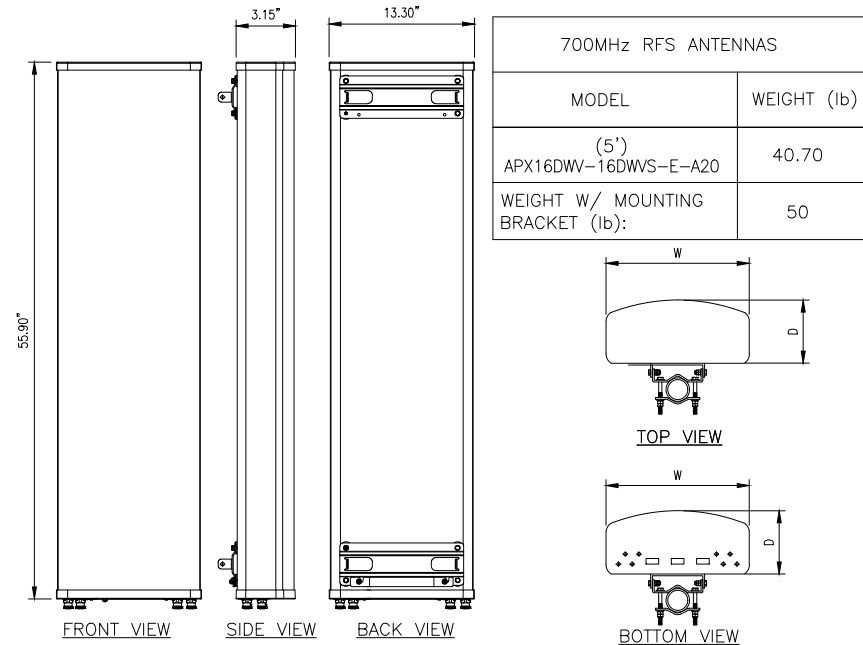
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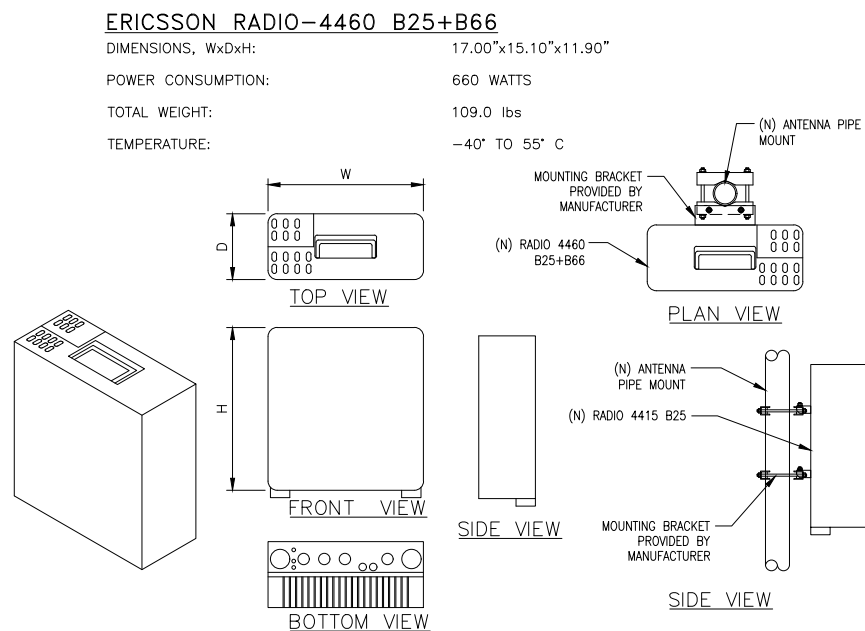
1 (N) APXVAALL24_43-UNA20 ANTENNA SPEC
SCALE: NOT TO SCALE



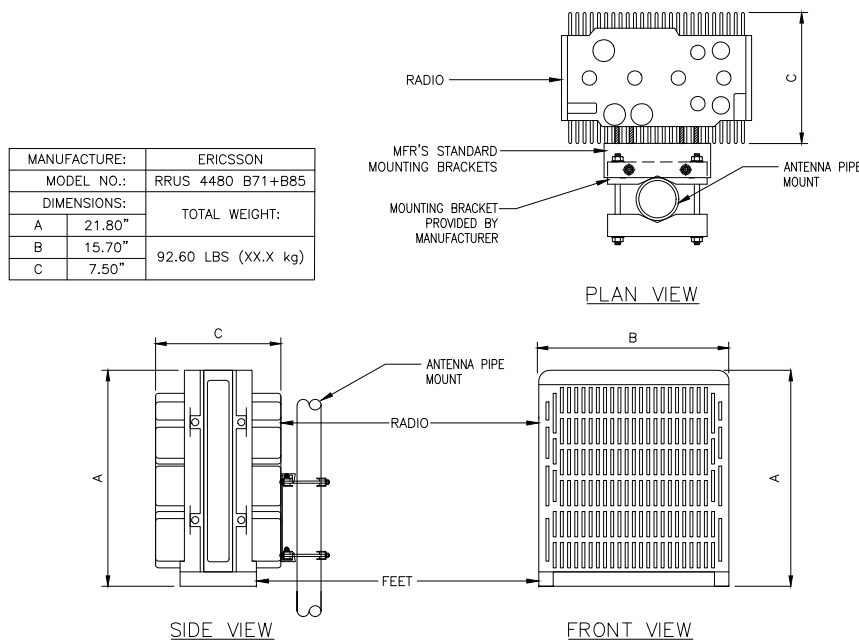
2 (N) AIR6449 B41 ANTENNA SPEC
SCALE: NOT TO SCALE



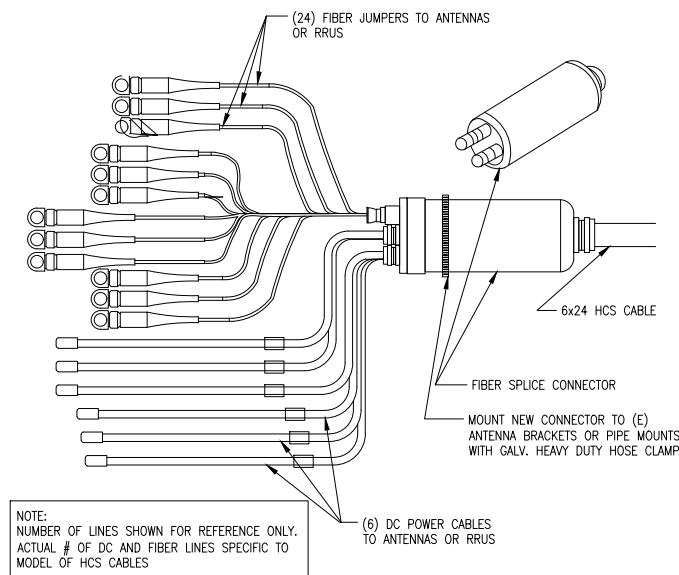
3 (N) APX16DW-16DWS-E-A20 ANTENNA SPEC
SCALE: NOT TO SCALE



4 (N) RADIO 4460 B25+B66 SPEC
SCALE: NOT TO SCALE



5 (N) RADIO 4480 B71+B85 SPEC
SCALE: NOT TO SCALE



6 (N) 6X24 HCS CABLE DETAIL
SCALE: NOT TO SCALE

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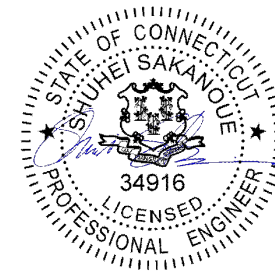
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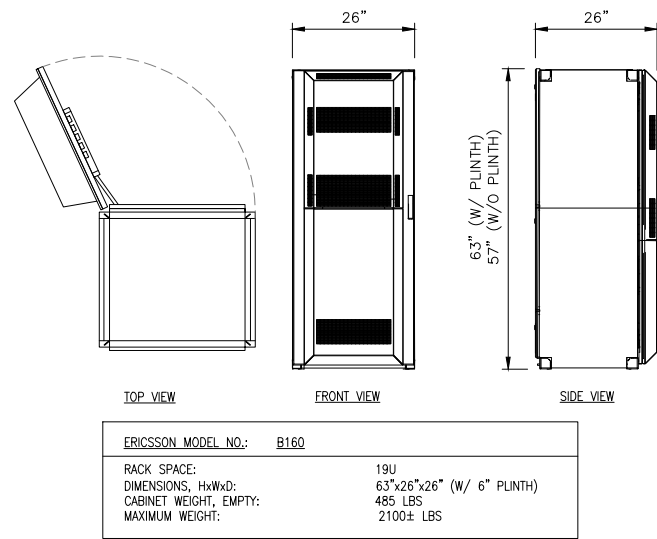
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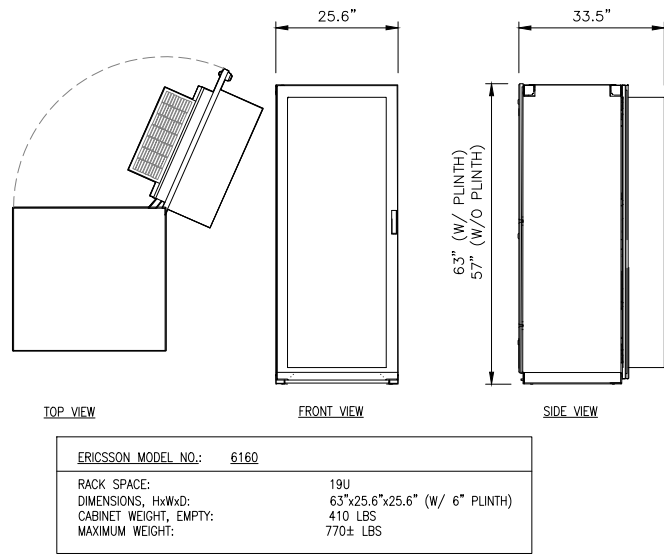
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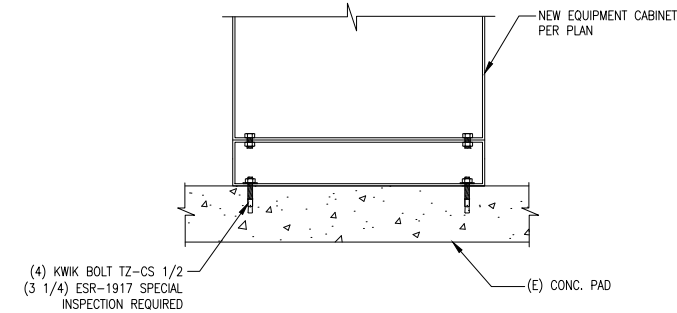
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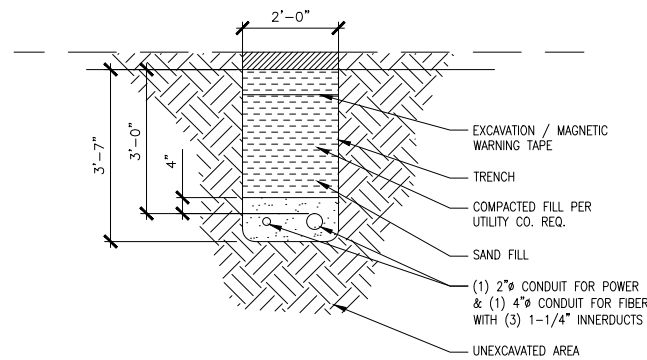
1 (N) B160 CABINET DETAIL
SCALE: NOT TO SCALE



2 (N) 6160 CABINET DETAIL
SCALE: NOT TO SCALE



3 (N) EQUIPMENT CABINET MOUNTING DETAIL
SCALE: NOT TO SCALE



4 (N) CONDUIT TRENCH DETAIL
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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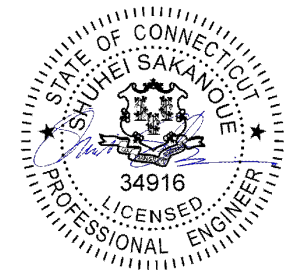
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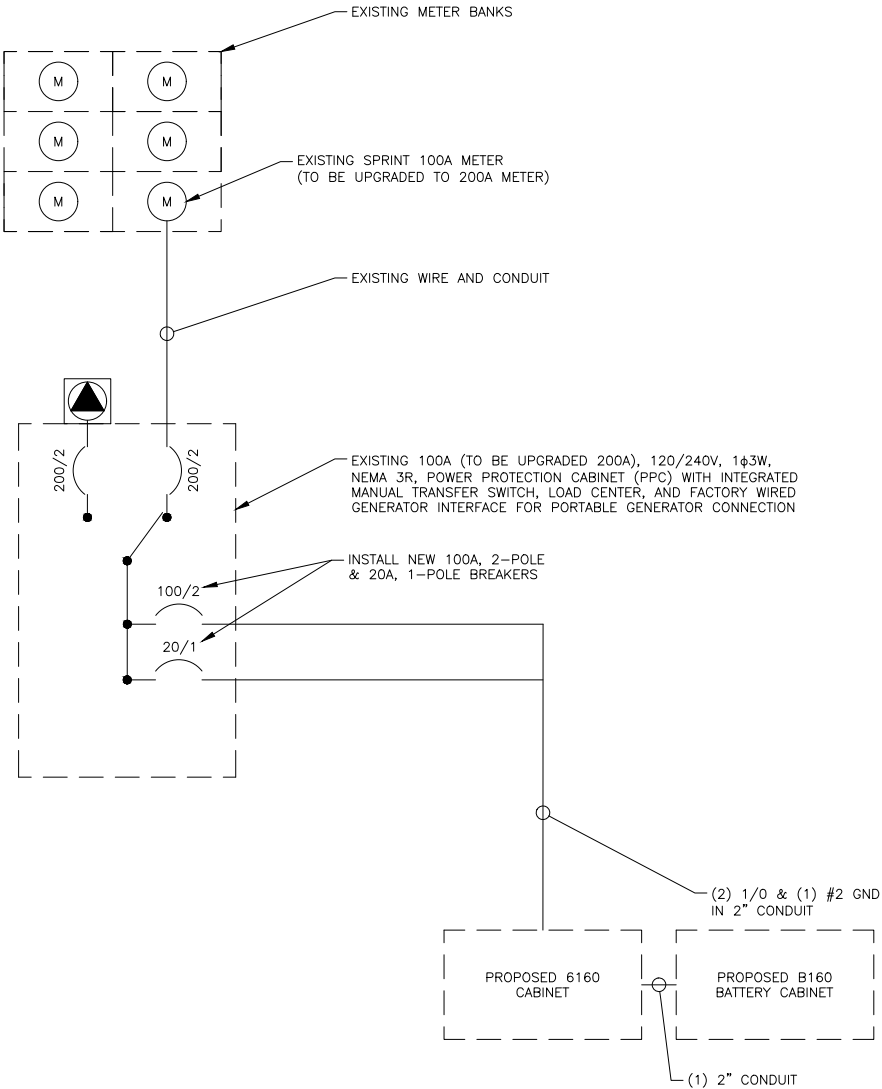
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T-MOBILE PANEL SCHEDULE												
MAIN: 200A MAIN BREAKER				VOTAGE/PHASE: 120/240V, 1-PHASE, 3-WIRE					SHORT CIRCUIT CURRENT RATING: --			
MOUNTING: INSIDE PPC ENCLOSURE				ENCLOSURE: NEMA 3R					SURGE PROTECTION DEVICE: YES			
DESCRIPTION	LOAD (VA)	C or NC	C/B	CIR No.	PHASE LOADS (VA)		CIR No.	C/B	C or NC	LOAD (VA)	DESCRIPTION	
					A	B						
6160	7000	C	100	1	7001		2	60	C	1	AC SURGE PROTECTION	
	7000	C		3		7001	4		C	1		
6160 GFI	180	C	20	5	180		6	60	C	0	SPARE	
				7		0	8		C	0		
SPARE	0	NC	20	9	200		10	20	NC	200	TELCO GFI	
TELCO CABINET FAN	900	C	10	11		0	12					
BASE LOAD (VA) =					7381	7001	C = CONTINUOUS LOAD; NC = NON-CONTINUOUS LOAD NEW BREAKER TO BE SAME TYPE AND HAVE SAME AIC RATING AS EXISTING. CUSTOMER HAS NOT PROVIDED LOADS FOR EQUIPMENT CABINETS THEREFORE THE CABINET LOADS SHOWN ARE ESTIMATED VALUES.					
25% OF CONTINUOUS LOAD (VA) =					1750	1750						
TOTAL LOAD (VA) =					9131	8751						
TOTAL LOAD (A) =					76	73						

NOTES:

1. ALL NEW CONDUCTORS TO BE INSTALLED SHALL BE COPPER.
ALL CONDUCTORS SHALL BE THHW, THWN, THWN-2, XHHW,
OR XHHW-2 UNLESS NOTED OTHERWISE.
2. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ITEMS SHOWN
ON THE ELECTRICAL ONE-LINE DIAGRAM AND NOTIFY THE
ENGINEER OF ANY DISCREPANCIES.
3. ALL GROUNDING AND BONDING PER THE NEC.



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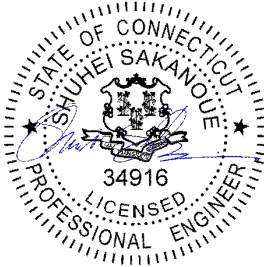
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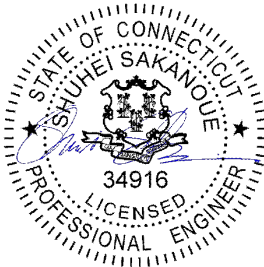
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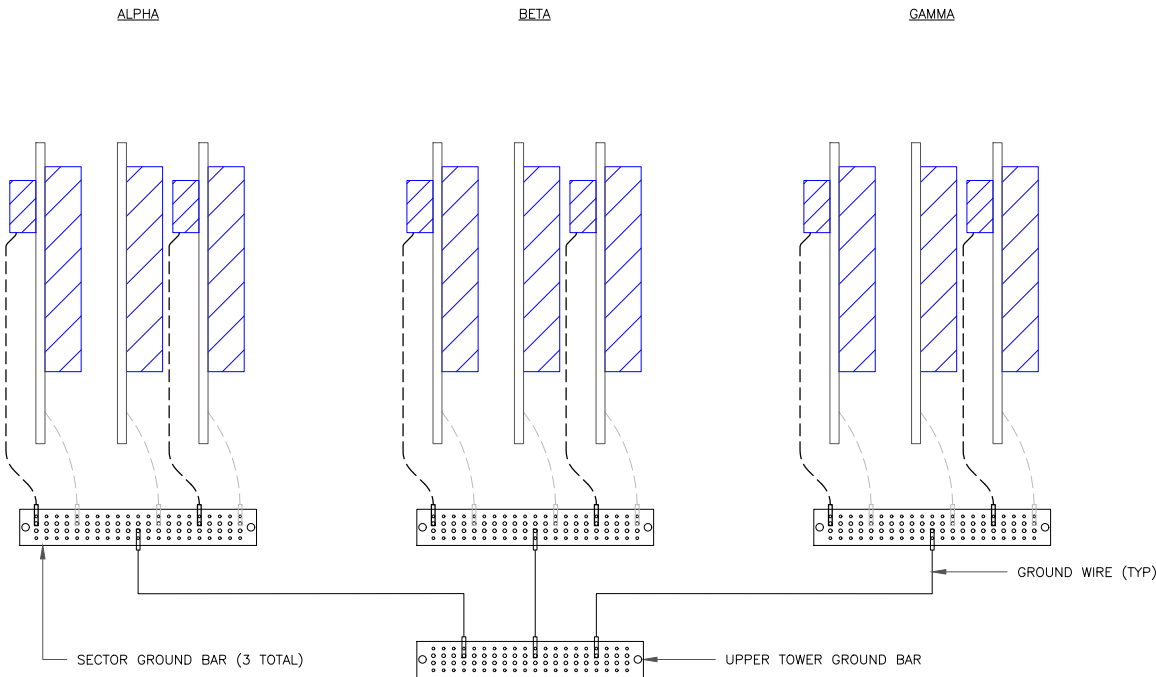
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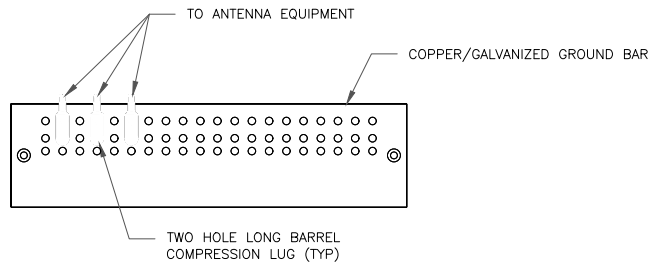
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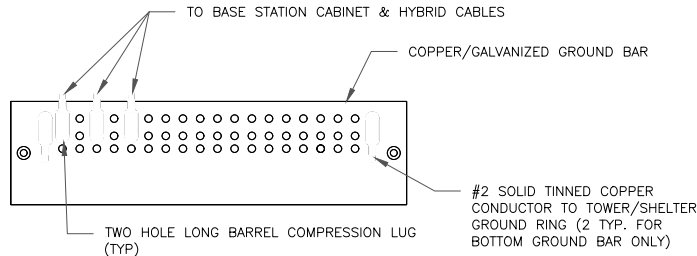
ALL NEW GROUNDS TO BE #6 STRANDED
COPPER WITH GREEN INSULATION UNLESS
NOTED OTHERWISE.

1 ANTENNA GROUNDING DIAGRAM
SCALE: NOT TO SCALE



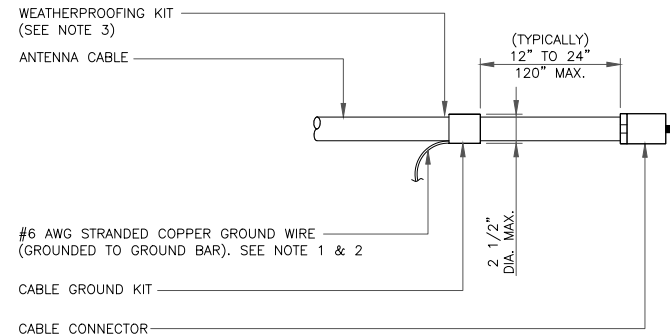
- NOTES:
- DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
 - EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 - GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



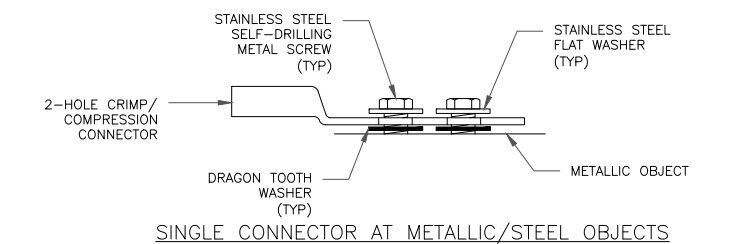
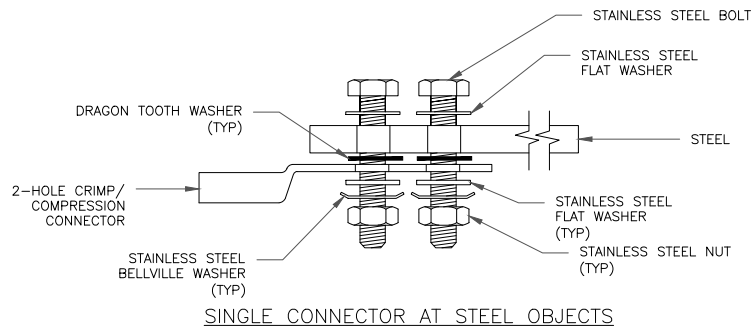
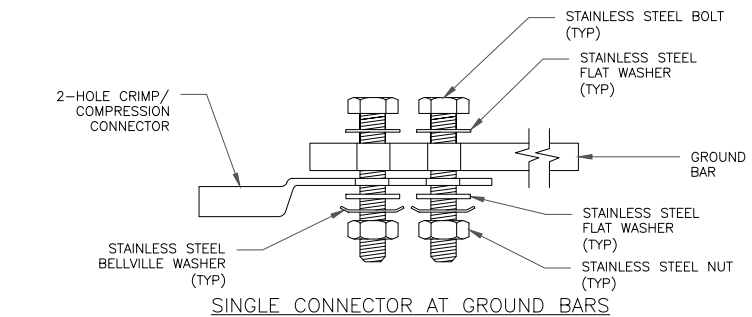
- NOTES:
- EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 - GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
 - GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

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



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

3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



4 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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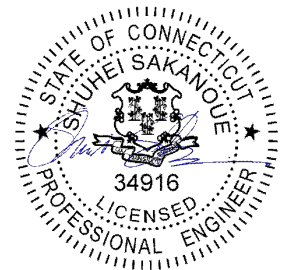
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Exhibit D

Structural Analysis Report



MORRISON HERSHFIELD

Date: **November 09, 2021**

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Subject: **Structural Analysis Report**

Carrier Designation:

Site Number: CT11584A
Site Name: CT03XC019

Crown Castle Designation:

BU Number: 806939
Site Name: NHV 2071 143137
JDE Job Number: 682265
Work Order Number: 2021609
Order Number: 582279 Rev. 0

Engineering Firm Designation:

Morrison Hershfield Project Number: CN9-966 / 2200039

Site Data:

800 OGG Meadow Road, Orange, New Haven County, CT 06477
Latitude 41° 18' 28.36", Longitude -73° 1' 56.22"
160 Foot – Valmont Monopole Tower

Morrison Hershfield 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 – 65.7%

This analysis utilizes an ultimate 3-second gust wind speed of 119 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

G. Lance Cooke, P.E. (CT License No. PEN.0028133)
Senior Engineer



Digitally signed by G.
Lance Cooke
Date: 2021.11.09
08:21:41-08'00'

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1) INTRODUCTION

This tower is a 160 ft monopole tower designed by Valmont Industries, Inc.

The tower was modified multiple times in the past to accommodate additional loading. Modifications are incorporated in this analysis per the post modification inspection reports.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	119 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1 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)
137.0	138.0	3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	3	1-5/8
		3	rfs/celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
		3	rfs/celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	ericsson	Radio 4480_TMOV2		
	137.0	6	-	8' Mount Pipe [#P 2.0 STD]		
		1	-	Platform Mount [LP 713-1]		
80.0	81.0	1	kathrein	OG-860/1920/GPS-A	1	7/8
	80.0	1	-	Side Arm Mount [SO 701-1]		

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)
158.0	159.0	4	commscope	HBXX-6517DS-A2M w/ Mount Pipe	13 1	1-5/8 1/2
		2	amphenol	BXA-80063-6BF-EDIN-X w/ Mount Pipe		
		3	antel	BXA-70040/6CF w/ Mount Pipe		
		1	antel	BXA-80063/4CF w/ Mount Pipe		
		2	commscope	HBXX-6516DS-A2M w/ Mount Pipe		
		3	alcatel lucent	B4 RRH2X60-4R		
		1	gps	GPS_A		
		1	rfs/celwave	DB-T1-6Z-8AB-0Z		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
158.0	158.0	1	-	Platform Mount [LP 713-1]	-	-
147.0	149.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe	12 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1-1/4 2C 7/8 3/4 5/8 3/8
		3	cci antennas	OPA65R-BU6D w/ Mount Pipe		
		3	kathrein	800 10121 w/ Mount Pipe		
		3	quintel technology	QS66512-2 w/ Mount Pipe		
		3	ericsson	RRUS 32 B30		
		3	ericsson	RRUS 32 B66A		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14_CCIV2		
		3	ericsson	RRUS12/RRUS A2		
		3	kathrein	782 10253		
		3	powerwave technologies	TT19-08BP111-001		
		6	cci antennas	TPX-070821		
		2	commscope	WCS-IMFQ-AMT		
		1	raycap	DC6-48-60-18-8C-EV		
		2	raycap	DC6-48-60-18-8F		
	147.0	1	-	Platform Mount [LP 713-1]		
137.0	137.0	1	andrew	VHLP2-11	1	5/8
		1	dragonwave	HORIZON DUO		
127.0	129.0	3	ericsson	ERICSSON AIR 21 B2A B4P	14	1-5/8
		3	ericsson	ERICSSON AIR 21 B4A B2P		
		3	ericsson	KRY 112 144/1		
		4	ericsson	RADIO 4449 B12/B71		
		3	rfs/celwave	APXVAARR24_43-U-NA20		
	127.0	1	-	Platform Mount [LP 1201-1]		
117.0	117.0	3	jma wireless	MX08FRO665-21 w/ Mount Pipe	1	1-1/2
		3	fujitsu	TA08025-B605		
		3	fujitsu	TA08025-B604		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
107.0	110.0	3	argus technologies	LLPX310R w/ Mount Pipe	3 3 2	5/8 1/2 2C
		1	andrew	VHLP2-11		
		1	andrew	PX2F-52		
		2	dragonwave	HORIZON COMPACT		
		3	samsung telecommunications	WIMAX DAP HEAD		
	107.0	1	-	Side Arm Mount [SO 101-3]		
100.0	100.0	3	rfs/celwave	APXV18-206517S-C w/ Mount Pipe	6	7/8

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	4025748	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	2380239	CCISITES
4-GEOTECHNICAL REPORTS	1257473	CCISITES

3.1) Analysis Method

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

tnxTower was used to determine the loads on the modified structure. Additional calculations were performed to determine the stresses in the pole and in the reinforcing elements. These calculations are included 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. Morrison Hershfield should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L1	160 - 155	Pole	TP22.7x21.65x0.25	Pole	3.5	Pass
L2	155 - 150	Pole	TP23.75x22.7x0.25	Pole	7.6	Pass
L3	150 - 145	Pole	TP24.8x23.75x0.25	Pole	14.6	Pass
L4	145 - 140	Pole	TP25.85x24.8x0.25	Pole	22.1	Pass
L5	140 - 135	Pole	TP26.9x25.85x0.25	Pole	30.6	Pass
L6	135 - 130	Pole	TP27.949x26.9x0.25	Pole	39.2	Pass
L7	130 - 126	Pole	TP29.77x27.949x0.25	Pole	46.5	Pass
L8	126 - 121	Pole	TP29.339x28.289x0.375	Pole	34.3	Pass
L9	121 - 116	Pole	TP30.389x29.339x0.375	Pole	39.4	Pass
L10	116 - 111	Pole	TP31.439x30.389x0.375	Pole	44.4	Pass
L11	111 - 106	Pole	TP32.489x31.439x0.375	Pole	49.4	Pass
L12	106 - 102.75	Pole	TP33.172x32.489x0.375	Pole	52.4	Pass
L13	102.75 - 102.5	Pole	TP33.224x33.172x0.375	Pole	52.6	Pass
L14	102.5 - 97.5	Pole	TP34.274x33.224x0.375	Pole	56.9	Pass
L15	97.5 - 92.5	Pole	TP35.324x34.274x0.375	Pole	60.9	Pass
L16	92.5 - 87.5	Pole	TP36.374x35.324x0.375	Pole	64.6	Pass
L17	87.5 - 87	Pole	TP37.67x36.374x0.375	Pole	65.0	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L18	87 - 80.33	Pole	TP37.13x35.729x0.5	Pole	51.3	Pass
L19	80.33 - 75.33	Pole	TP38.18x37.13x0.5	Pole	53.0	Pass
L20	75.33 - 70.33	Pole	TP39.23x38.18x0.5	Pole	54.5	Pass
L21	70.33 - 67.75	Pole	TP39.771x39.23x0.5	Pole	55.1	Pass
L22	67.75 - 67.5	Pole + Reinf.	TP39.824x39.771x0.725	Reinf. 4 Tension Rupture	58.8	Pass
L23	67.5 - 62.5	Pole + Reinf.	TP40.874x39.824x0.7125	Reinf. 4 Tension Rupture	60.6	Pass
L24	62.5 - 57.5	Pole + Reinf.	TP41.924x40.874x0.7	Reinf. 4 Tension Rupture	62.2	Pass
L25	57.5 - 52.5	Pole + Reinf.	TP42.973x41.924x0.7	Reinf. 4 Tension Rupture	63.7	Pass
L26	52.5 - 48	Pole + Reinf.	TP45.3x42.973x0.7	Reinf. 4 Tension Rupture	64.9	Pass
L27	48 - 40.42	Pole + Reinf.	TP44.51x42.918x0.7625	Reinf. 4 Tension Rupture	63.8	Pass
L28	40.42 - 35.42	Pole + Reinf.	TP45.561x44.51x0.75	Reinf. 4 Tension Rupture	64.8	Pass
L29	35.42 - 30.5	Pole + Reinf.	TP46.594x45.561x0.75	Reinf. 4 Tension Rupture	65.7	Pass
L30	30.5 - 30.25	Pole + Reinf.	TP46.646x46.594x0.7375	Reinf. 2 Compression	58.7	Pass
L31	30.25 - 26.75	Pole + Reinf.	TP47.382x46.646x0.7375	Reinf. 2 Compression	59.2	Pass
L32	26.75 - 26.5	Pole + Reinf.	TP47.434x47.382x0.6	Pole	56.8	Pass
L33	26.5 - 26.25	Pole + Reinf.	TP47.487x47.434x0.6	Pole	56.8	Pass
L34	26.25 - 26	Pole	TP47.539x47.487x0.5625	Pole	58.1	Pass
L35	26 - 21	Pole	TP48.589x47.539x0.5625	Pole	58.8	Pass
L36	21 - 16	Pole	TP49.639x48.589x0.5625	Pole	59.5	Pass
L37	16 - 11	Pole	TP50.69x49.639x0.5625	Pole	60.1	Pass
L38	11 - 6	Pole	TP51.74x50.69x0.5625	Pole	60.7	Pass
L39	6 - 1	Pole	TP52.79x51.74x0.5625	Pole	61.2	Pass
L40	1 - 0.5	Pole	TP52.895x52.79x0.5625	Pole	61.3	Pass
L41	0.5 - 0.25	Pole + Reinf.	TP52.947x52.895x0.8125	Reinf. 6 Tension Yield	54.2	Pass
L42	0.25 - 0	Pole + Reinf.	TP53x52.947x0.8125	Reinf. 6 Tension Yield	54.3	Pass
L43					Summary	
				Pole	65.0	Pass
				Reinforcement	65.7	Pass
				Overall	65.7	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	56.3	Pass
1	Base Plate		42.7	Pass
1	Base Foundation (Structure)	0	52.1	Pass
1	Base Foundation (Soil Interaction)		35.2	Pass

Structure Rating (max from all components) =	65.7%*
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Notes:

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

4.1) Recommendations

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

APPENDIX A
TNXTOWER OUTPUT

155.0 ft
150.0 ft
145.0 ft
140.0 ft
135.0 ft
130.0 ft

121.3 ft
116.0 ft
111.0 ft
106.0 ft
102.8 ft

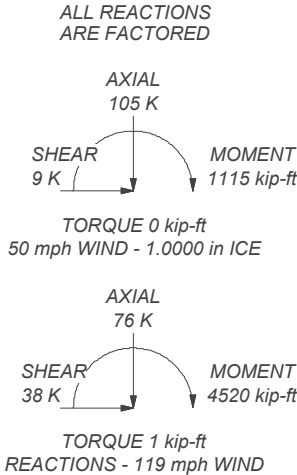
97.5 ft
92.5 ft
87.5 ft
81.3 ft
75.3 ft
70.3 ft
67.8 ft

62.5 ft
57.5 ft
52.5 ft

41.4 ft
35.4 ft
30.5 ft
26.8 ft
21.0 ft
16.0 ft
11.0 ft
6.0 ft
1.0 ft

MATERIAL STRENGTH

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 119 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. CCIPOLE RATING: 65.7%



 Consulting Engineers	Morrison Hershfield 1455 Lincoln Parkway, Suite 500 Atlanta, GA 30346 Phone: (770) 379-8500 FAX: (770) 379-8501	Job: CN9-966 / 2200039 Project: 806939 / NHV 2071 143137										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Client: Crown Castle USA</td> <td style="width: 33%;">Drawn by: ANS</td> <td style="width: 34%;">App'd:</td> </tr> <tr> <td>Code: TIA-222-H</td> <td>Date: 11/09/21</td> <td>Scale: NTS</td> </tr> <tr> <td colspan="2">Path:</td> <td>Dwg No. E-1</td> </tr> </table>		Client: Crown Castle USA	Drawn by: ANS	App'd:	Code: TIA-222-H	Date: 11/09/21	Scale: NTS	Path:		Dwg No. E-1	C:\Users\A5ababagura\Desktop\To Be Connected\CN9-966 SA\Analysis\CN9-966.B1 806939.WD 20210929 Modified
Client: Crown Castle USA	Drawn by: ANS	App'd:										
Code: TIA-222-H	Date: 11/09/21	Scale: NTS										
Path:		Dwg No. E-1										

Tower Input Data

The tower is a monopole.

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

The following design criteria apply:

Tower is located in New Haven County, Connecticut.

Tower base elevation above sea level: 191.00 ft.

Basic wind speed of 119 mph.

Risk Category II.

Exposure Category B.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.0000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 50 mph is used in combination with ice.

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Tower analysis based on target reliabilities in accordance with Annex S.

Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.

Maximum demand-capacity ratio is: 1.05.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	160.00-155.00	5.00	0.00	12	21.6500	22.6999	0.2500	1.0000	A572-65 (65 ksi)
L2	155.00-150.00	5.00	0.00	12	22.6999	23.7498	0.2500	1.0000	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
L3	150.00-145.00	5.00	0.00	12	23.7498	24.7997	0.2500	1.0000	(65 ksi) A572-65
L4	145.00-140.00	5.00	0.00	12	24.7997	25.8496	0.2500	1.0000	(65 ksi) A572-65
L5	140.00-135.00	5.00	0.00	12	25.8496	26.8995	0.2500	1.0000	(65 ksi) A572-65
L6	135.00-130.00	5.00	0.00	12	26.8995	27.9495	0.2500	1.0000	(65 ksi) A572-65
L7	130.00-121.33	8.67	4.67	12	27.9495	29.7700	0.2500	1.0000	(65 ksi) A572-65
L8	121.33-121.00	5.00	0.00	12	28.2894	29.3394	0.3750	1.5000	(65 ksi) A572-65
L9	121.00-116.00	5.00	0.00	12	29.3394	30.3894	0.3750	1.5000	(65 ksi) A572-65
L10	116.00-111.00	5.00	0.00	12	30.3894	31.4394	0.3750	1.5000	(65 ksi) A572-65
L11	111.00-106.00	5.00	0.00	12	31.4394	32.4893	0.3750	1.5000	(65 ksi) A572-65
L12	106.00-102.75	3.25	0.00	12	32.4893	33.1718	0.3750	1.5000	(65 ksi) A572-65
L13	102.75-102.50	0.25	0.00	12	33.1718	33.2243	0.3750	1.5000	(65 ksi) A572-65
L14	102.50-97.50	5.00	0.00	12	33.2243	34.2743	0.3750	1.5000	(65 ksi) A572-65
L15	97.50-92.50	5.00	0.00	12	34.2743	35.3243	0.3750	1.5000	(65 ksi) A572-65
L16	92.50-87.50	5.00	0.00	12	35.3243	36.3743	0.3750	1.5000	(65 ksi) A572-65
L17	87.50-81.33	6.17	5.67	12	36.3743	37.6700	0.3750	1.5000	(65 ksi) A572-65
L18	81.33-80.33	6.67	0.00	12	35.7293	37.1298	0.5000	2.0000	(65 ksi) A572-65
L19	80.33-75.33	5.00	0.00	12	37.1298	38.1797	0.5000	2.0000	(65 ksi) A572-65
L20	75.33-70.33	5.00	0.00	12	38.1797	39.2296	0.5000	2.0000	(65 ksi) A572-65
L21	70.33-67.75	2.58	0.00	12	39.2296	39.7713	0.5000	2.0000	(65 ksi) A572-65
L22	67.75-67.50	0.25	0.00	12	39.7713	39.8238	0.7250	2.9000	(65 ksi) A572-65
L23	67.50-62.50	5.00	0.00	12	39.8238	40.8737	0.7125	2.8500	(65 ksi) A572-65
L24	62.50-57.50	5.00	0.00	12	40.8737	41.9236	0.7000	2.8000	(65 ksi) A572-65
L25	57.50-52.50	5.00	0.00	12	41.9236	42.9735	0.7000	2.8000	(65 ksi) A572-65
L26	52.50-41.42	11.08	6.58	12	42.9735	45.3000	0.7000	2.8000	(65 ksi) A572-65
L27	41.42-40.42	7.58	0.00	12	42.9184	44.5104	0.7625	3.0500	(65 ksi) A572-65
L28	40.42-35.42	5.00	0.00	12	44.5104	45.5606	0.7500	3.0000	(65 ksi) A572-65
L29	35.42-30.50	4.92	0.00	12	45.5606	46.5940	0.7500	3.0000	(65 ksi) A572-65
L30	30.50-30.25	0.25	0.00	12	46.5940	46.6465	0.7375	2.9500	(65 ksi) A572-65
L31	30.25-26.75	3.50	0.00	12	46.6465	47.3816	0.7375	2.9500	(65 ksi) A572-65
L32	26.75-26.50	0.25	0.00	12	47.3816	47.4341	0.6000	2.4000	(65 ksi) A572-65
L33	26.50-26.25	0.25	0.00	12	47.4341	47.4866	0.6000	2.4000	(65 ksi) A572-65
L34	26.25-26.00	0.25	0.00	12	47.4866	47.5391	0.5625	2.2500	(65 ksi) A572-65
L35	26.00-21.00	5.00	0.00	12	47.5391	48.5893	0.5625	2.2500	(65 ksi) A572-65
L36	21.00-16.00	5.00	0.00	12	48.5893	49.6395	0.5625	2.2500	(65 ksi) 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	16.00-11.00	5.00	0.00	12	49.6395	50.6896	0.5625	2.2500	A572-65 (65 ksi)
L38	11.00-6.00	5.00	0.00	12	50.6896	51.7398	0.5625	2.2500	A572-65 (65 ksi)
L39	6.00-1.00	5.00	0.00	12	51.7398	52.7900	0.5625	2.2500	A572-65 (65 ksi)
L40	1.00-0.50	0.50	0.00	12	52.7900	52.8950	0.5625	2.2500	A572-65 (65 ksi)
L41	0.50-0.25	0.25	0.00	12	52.8950	52.9475	0.8125	3.2500	A572-65 (65 ksi)
L42	0.25-0.00	0.25		12	52.9475	53.0000	0.8125	3.2500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	22.3255	17.2270	1006.9853	7.6612	11.2147	89.7916	2040.4253	8.4786	5.1322	20.529
	23.4125	18.0722	1162.5874	8.0371	11.7586	98.8716	2355.7173	8.8946	5.4136	21.654
L2	23.4125	18.0722	1162.5874	8.0371	11.7586	98.8716	2355.7173	8.8946	5.4136	21.654
	24.4994	18.9174	1333.4458	8.4129	12.3024	108.3890	2701.9228	9.3105	5.6950	22.78
L3	24.4994	18.9174	1333.4458	8.4129	12.3024	108.3890	2701.9228	9.3105	5.6950	22.78
	25.5864	19.7625	1520.2741	8.7888	12.8463	118.3437	3080.4876	9.7265	5.9763	23.905
L4	25.5864	19.7625	1520.2741	8.7888	12.8463	118.3437	3080.4876	9.7265	5.9763	23.905
	26.6733	20.6077	1723.7858	9.1647	13.3901	128.7357	3492.8574	10.1425	6.2577	25.031
L5	26.6733	20.6077	1723.7858	9.1647	13.3901	128.7357	3492.8574	10.1425	6.2577	25.031
	27.7603	21.4529	1944.6943	9.5405	13.9340	139.5650	3940.4779	10.5585	6.5391	26.156
L6	27.7603	21.4529	1944.6943	9.5405	13.9340	139.5650	3940.4779	10.5585	6.5391	26.156
	28.8472	22.2981	2183.7132	9.9164	14.4778	150.8316	4424.7949	10.9744	6.8205	27.282
L7	28.8472	22.2981	2183.7132	9.9164	14.4778	150.8316	4424.7949	10.9744	6.8205	27.282
	30.7320	23.7636	2643.2053	10.5682	15.4209	171.4045	5355.8505	11.6957	7.3084	29.233
L8	30.7320	23.7636	2643.2053	10.5682	15.4209	171.4045	5355.8505	11.6957	7.3084	29.233
	30.2421	34.9745	3745.1186	10.3692	15.1978	246.4251	7588.6257	17.2134	6.8580	18.288
L9	30.2421	34.9745	3745.1186	10.3692	15.1978	246.4251	7588.6257	17.2134	6.8580	18.288
	31.3291	36.2423	4167.3559	10.7451	15.7417	264.7337	8444.1929	17.8374	7.1393	19.038
L10	31.3291	36.2423	4167.3559	10.7451	15.7417	264.7337	8444.1929	17.8374	7.1393	19.038
	32.4161	37.5102	4620.1934	11.1210	16.2856	283.6983	9361.7645	18.4614	7.4207	19.789
L11	32.4161	37.5102	4620.1934	11.1210	16.2856	283.6983	9361.7645	18.4614	7.4207	19.789
	33.5032	38.7781	5104.7016	11.4969	16.8295	303.3190	10343.509	19.0854	7.7021	20.539
L12	33.5032	38.7781	5104.7016	11.4969	16.8295	303.3190	10343.509	19.0854	7.7021	20.539
	34.2097	39.6022	5437.1225	11.7413	17.1830	316.4243	11017.084	19.4910	7.8851	21.027
L13	34.2097	39.6022	5437.1225	11.7413	17.1830	316.4243	11017.084	19.4910	7.8851	21.027
	34.2641	39.6656	5463.2747	11.7601	17.2102	317.4438	11070.075	19.5222	7.8991	21.064
L14	34.2641	39.6656	5463.2747	11.7601	17.2102	317.4438	11070.075	19.5222	7.8991	21.064
	35.3511	40.9334	6004.0798	12.1360	17.7541	338.1798	12165.893	20.1462	8.1805	21.815
L15	35.3511	40.9334	6004.0798	12.1360	17.7541	338.1798	12165.893	20.1462	8.1805	21.815
	36.4381	42.2013	6579.4459	12.5119	18.2980	359.5719	13331.741	20.7702	8.4619	22.565
L16	36.4381	42.2013	6579.4459	12.5119	18.2980	359.5719	13331.741	20.7702	8.4619	22.565
	37.5252	43.4692	7190.4435	12.8878	18.8419	381.6200	14569.788	21.3942	8.7433	23.316
L17	37.5252	43.4692	7190.4435	12.8878	18.8419	381.6200	14569.788	21.3942	8.7433	23.316
	38.8666	45.0337	7995.1189	13.3516	19.5131	409.7317	16200.278	22.1642	9.0906	24.241
L18	38.8666	45.0337	7995.1189	13.3516	19.5131	409.7317	16200.278	22.1642	9.0906	24.241
	38.0459	56.7192	8985.1279	12.6121	18.5078	485.4783	18206.305	27.9155	8.2355	16.471

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
	38.2633	58.9741	10099.9025	13.1135	19.2333	525.1269	20465.1407	29.0252	8.6108	17.222
L19	38.2633	58.9741	10099.9025	13.1135	19.2333	525.1269	20465.1407	29.0252	8.6108	17.222
	39.3502	60.6644	10993.4763	13.4893	19.7771	555.8690	22275.7636	29.8572	8.8922	17.784
L20	39.3502	60.6644	10993.4763	13.4893	19.7771	555.8690	22275.7636	29.8572	8.8922	17.784
	40.4371	62.3547	11938.2594	13.8652	20.3209	587.4857	24190.1502	30.6891	9.1735	18.347
L21	40.4371	62.3547	11938.2594	13.8652	20.3209	587.4857	24190.1502	30.6891	9.1735	18.347
	40.9979	63.2269	12446.2649	14.0591	20.6016	604.1420	25219.5071	31.1183	9.3187	18.637
L22	40.9186	91.1537	17738.6628	13.9786	20.6016	861.0351	35943.3400	44.8631	8.7157	12.022
	40.9729	91.2762	17810.3026	13.9974	20.6287	863.3730	36088.5017	44.9234	8.7298	12.041
L23	40.9773	89.7312	17520.0213	14.0019	20.6287	849.3013	35500.3130	44.1630	8.7633	12.299
	42.0642	92.1399	18969.1197	14.3777	21.1726	895.9284	38436.5793	45.3484	9.0447	12.694
L24	42.0686	90.5516	18653.7350	14.3822	21.1726	881.0325	37797.5244	44.5667	9.0782	12.969
	43.1556	92.9180	20154.7470	14.7580	21.7164	928.0879	40838.9816	45.7314	9.3595	13.371
L25	43.1556	92.9180	20154.7470	14.7580	21.7164	928.0879	40838.9816	45.7314	9.3595	13.371
	44.2425	95.2844	21734.1949	15.1339	22.2603	976.3676	44039.3712	46.8961	9.6409	13.773
L26	44.2425	95.2844	21734.1949	15.1339	22.2603	976.3676	44039.3712	46.8961	9.6409	13.773
	46.6511	100.5284	25523.7474	15.9668	23.4654	1087.7184	51718.0321	49.4770	10.2644	14.663
L27	45.5942	103.5032	23477.6996	15.0918	22.2317	1056.0456	47572.1845	50.9411	9.4586	12.405
	45.8116	107.4121	26239.3986	15.6618	23.0564	1138.0529	53168.1353	52.8650	9.8853	12.964
L28	45.8160	105.6814	25831.3741	15.6662	23.0564	1120.3560	52341.3671	52.0132	9.9188	13.225
	46.9032	108.2176	27736.0795	16.0422	23.6004	1175.2384	56200.8167	53.2614	10.2002	13.6
L29	46.9032	108.2176	27736.0795	16.0422	23.6004	1175.2384	56200.8167	53.2614	10.2002	13.6
	47.9730	110.7132	29699.5184	16.4121	24.1357	1230.5239	60179.2762	54.4896	10.4772	13.97
L30	47.9775	108.8976	29228.4220	16.4166	24.1357	1211.0052	59224.7072	53.5961	10.5107	14.252
	48.0318	109.0223	29328.9422	16.4354	24.1629	1213.8021	59428.3884	53.6575	10.5248	14.271
L31	48.0318	109.0223	29328.9422	16.4354	24.1629	1213.8021	59428.3884	53.6575	10.5248	14.271
	48.7929	110.7680	30760.5159	16.6986	24.5437	1253.2977	62329.1449	54.5167	10.7218	14.538
L32	48.8414	90.3820	25247.4722	16.7478	24.5437	1028.6759	51158.2236	44.4833	11.0903	18.484
	48.8957	90.4835	25332.5824	16.7666	24.5709	1031.0010	51330.6799	44.5332	11.1043	18.507
L33	48.8957	90.4835	25332.5824	16.7666	24.5709	1031.0010	51330.6799	44.5332	11.1043	18.507
	48.9501	90.5849	25417.8836	16.7854	24.5981	1033.3288	51503.5233	44.5831	11.1184	18.531
L34	48.9633	84.9913	23886.4877	16.7988	24.5981	971.0720	48400.5001	41.8301	11.2189	19.945
	49.0177	85.0864	23966.7651	16.8176	24.6253	973.2594	48563.1639	41.8769	11.2330	19.97
L35	49.0177	85.0864	23966.7651	16.8176	24.6253	973.2594	48563.1639	41.8769	11.2330	19.97
	50.1049	86.9885	25610.3097	17.1936	25.1692	1017.5238	51893.4308	42.8131	11.5144	20.47

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
L36	50.1049	86.9885	25610.309 7	17.1936	25.1692	1017.5238	51893.430 8	42.8131	11.5144	20.47
	51.1921	88.8906	27327.325 8	17.5695	25.7132	1062.7727	55372.570 8	43.7493	11.7959	20.97
L37	51.1921	88.8906	27327.325 8	17.5695	25.7132	1062.7727	55372.570 8	43.7493	11.7959	20.97
	52.2793	90.7928	29119.419 9	17.9455	26.2572	1109.0060	59003.839 4	44.6854	12.0773	21.471
L38	52.2793	90.7928	29119.419 9	17.9455	26.2572	1109.0060	59003.839 4	44.6854	12.0773	21.471
	53.3665	92.6949	30988.198 7	18.3215	26.8012	1156.2237	62790.491 8	45.6216	12.3588	21.971
L39	53.3665	92.6949	30988.198 7	18.3215	26.8012	1156.2237	62790.491 8	45.6216	12.3588	21.971
	54.4538	94.5970	32935.268 6	18.6974	27.3452	1204.4259	66735.783 4	46.5578	12.6402	22.471
L40	54.4538	94.5970	32935.268 6	18.6974	27.3452	1204.4259	66735.783 4	46.5578	12.6402	22.471
	54.5625	94.7872	33134.343 5	18.7350	27.3996	1209.3002	67139.163 0	46.6514	12.6684	22.522
L41	54.4743	136.2608	47178.076 7	18.6455	27.3996	1721.8527	95595.574 0	67.0634	11.9984	14.767
	54.5287	136.3982	47320.912 6	18.6643	27.4268	1725.3530	95884.998 3	67.1310	12.0124	14.785
L42	54.5287	136.3982	47320.912 6	18.6643	27.4268	1725.3530	95884.998 3	67.1310	12.0124	14.785
	54.5830	136.5355	47464.036 6	18.6831	27.4540	1728.8569	96175.006 2	67.1986	12.0265	14.802

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L1 160.00- 155.00				1	1	1			
L2 155.00- 150.00				1	1	1			
L3 150.00- 145.00				1	1	1			
L4 145.00- 140.00				1	1	1			
L5 140.00- 135.00				1	1	1			
L6 135.00- 130.00				1	1	1			
L7 130.00- 121.33				1	1	1			
L8 121.33- 121.00				1	1	1			
L9 121.00- 116.00				1	1	1			
L10 116.00- 111.00				1	1	1			
L11 111.00- 106.00				1	1	1			
L12 106.00- 102.75				1	1	1			
L13 102.75- 102.50				1	1	1			
L14 102.50- 97.50				1	1	1			
L15 97.50- 92.50				1	1	1			
L16 92.50- 87.50				1	1	1			
L17 87.50- 81.33				1	1	1			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L18 81.33-80.33				1	1	1			
L19 80.33-75.33				1	1	1			
L20 75.33-70.33				1	1	1			
L21 70.33-67.75				1	1	1			
L22 67.75-67.50				1	1	0.961053			
L23 67.50-62.50				1	1	0.97039			
L24 62.50-57.50				1	1	0.980455			
L25 57.50-52.50				1	1	0.973845			
L26 52.50-41.42				1	1	0.96817			
L27 41.42-40.42				1	1	0.968333			
L28 40.42-35.42				1	1	0.978702			
L29 35.42-30.50				1	1	0.973547			
L30 30.50-30.25				1	1	0.960813			
L31 30.25-26.75				1	1	0.957691			
L32 26.75-26.50				1	1	1.14577			
L33 26.50-26.25				1	1	1.14553			
L34 26.25-26.00				1	1	1			
L35 26.00-21.00				1	1	1			
L36 21.00-16.00				1	1	1			
L37 16.00-11.00				1	1	1			
L38 11.00-6.00				1	1	1			
L39 6.00-1.00				1	1	1			
L40 1.00-0.50				1	1	1			
L41 0.50-0.25				1	1	1.01225			
L42 0.25-0.00				1	1	1.01193			

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
Climbing Rungs	C	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	-0.500 -0.400	0.7050		1.80
Safety Line 3/8	C	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	-0.450 -0.450	0.3750		0.22

CU12PSM9P6XXX(1-1/2)	B	No	Surface Ar (CaAa)	117.00 - 7.00	1	1	0.400 0.400	1.6000		2.35

HJ4.5-50(5/8)	B	No	Surface Ar (CaAa)	107.00 - 7.00	3	3	-0.250 -0.160	0.0000		0.40
EC4-50(1/2)	B	No	Surface Ar (CaAa)	107.00 - 7.00	3	3	-0.330 -0.260	0.6300		0.16

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
2" Conduit	B	No	Surface Ar (CaAa)	107.00 - 7.00	2	2	-0.250 -0.160	2.0000		2.80

(Area) CCI-65FP-085125 (H)	A	No	Surface Af (CaAa)	30.50 - 0.00	1	1	0.000 0.000	8.5000	19.5000	0.00
(Area) CCI-65FP-085125 (H)	B	No	Surface Af (CaAa)	30.50 - 0.00	1	1	0.250 0.250	8.5000	19.5000	0.00
(Area) CCI-65FP-085125 (H)	C	No	Surface Af (CaAa)	30.50 - 0.00	1	1	0.250 0.250	8.5000	19.5000	0.00
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	50.50 - 23.50	1	1	0.250 0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	50.50 - 30.50	1	1	0.250 0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	50.50 - 30.50	1	1	0.250 0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	75.50 - 50.50	1	1	0.250 0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	75.50 - 50.50	1	1	0.250 0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	75.50 - 50.50	1	1	0.250 0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-060100 (H)	A	No	Surface Af (CaAa)	104.75 - 84.75	1	1	0.500 0.500	6.0000	14.0000	0.00

Feed Line/Linear Appurtenances - Entered As Area

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

HJ7-50A(1-5/8)	A	No	No	Inside Pole	158.00 - 7.00	12	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.04 1.04 1.04
LDF4-50A(1/2)	A	No	No	Inside Pole	158.00 - 7.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.15 0.15 0.15
HB158-1-08U8-S8J18(1-5/8)	A	No	No	Inside Pole	158.00 - 7.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.30 1.30 1.30

LDF6-50A(1-1/4)	C	No	No	Inside Pole	147.00 - 7.00	12	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.60 0.60 0.60
FB-L98B-002-75000(3/8)	C	No	No	Inside Pole	147.00 - 7.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.06 0.06 0.06
WR-VG82ST-BRDA(5/8)	C	No	No	Inside Pole	147.00 - 7.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.31 0.31 0.31
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	147.00 - 7.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.58 0.58 0.58
WR-VG66ST-BRD_CCIV2(7/8)	C	No	No	Inside Pole	147.00 - 7.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.88 0.88 0.88
FB-L98B-034-XXX(3/8)	C	No	No	Inside Pole	147.00 - 7.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.06 0.06 0.06
2" Conduit	C	No	No	Inside Pole	147.00 - 7.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.80 2.80 2.80

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf
HB158-21U6S24- xxM_TMO(1-5/8)	B	No	No	Inside Pole	137.00 - 7.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.50 2.50 2.50

LDF4.5-50(5/8)	B	No	No	Inside Pole	137.00 - 7.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.15 0.15 0.15

MLE HYBRID 9POWER/18FIBE R RL 2(1-5/8)	C	No	No	Inside Pole	127.00 - 4.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.07 1.07 1.07
FLC 158-50J(1- 5/8)	C	No	No	Inside Pole	127.00 - 4.00	12	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.92 0.92 0.92

HCS 6X12 4AWG(1-5/8)	C	No	No	Inside Pole	127.00 - 4.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.40 2.40 2.40

LDF5-50A(7/8)	C	No	No	Inside Pole	100.00 - 7.00	6	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.33 0.33 0.33

LDF5-50A(7/8)	C	No	No	Inside Pole	80.00 - 7.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.33 0.33 0.33

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	160.00-155.00	A	0.000	0.000	0.000	0.000	0.04
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.540	0.000	0.01
L2	155.00-150.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.540	0.000	0.01
L3	150.00-145.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.540	0.000	0.04
L4	145.00-140.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.540	0.000	0.08
L5	140.00-135.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.02
		C	0.000	0.000	0.540	0.000	0.08
L6	135.00-130.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.04
		C	0.000	0.000	0.540	0.000	0.08
L7	130.00-121.33	A	0.000	0.000	0.000	0.000	0.12
		B	0.000	0.000	0.000	0.000	0.07
		C	0.000	0.000	0.936	0.000	0.22
L8	121.33-121.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.036	0.000	0.01
L9	121.00-116.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.160	0.000	0.04
		C	0.000	0.000	0.540	0.000	0.15
L10	116.00-111.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.800	0.000	0.05
		C	0.000	0.000	0.540	0.000	0.15
L11	111.00-106.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	1.389	0.000	0.06

Tower Section	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight K
L12	106.00-102.75	C	0.000	0.000	0.540	0.000	0.15
		A	0.000	0.000	2.000	0.000	0.05
		B	0.000	0.000	2.434	0.000	0.06
L13	102.75-102.50	C	0.000	0.000	0.351	0.000	0.10
		A	0.000	0.000	0.250	0.000	0.00
		B	0.000	0.000	0.187	0.000	0.00
L14	102.50-97.50	C	0.000	0.000	0.027	0.000	0.01
		A	0.000	0.000	5.000	0.000	0.07
		B	0.000	0.000	3.745	0.000	0.09
L15	97.50-92.50	C	0.000	0.000	0.540	0.000	0.16
		A	0.000	0.000	5.000	0.000	0.07
		B	0.000	0.000	3.745	0.000	0.09
L16	92.50-87.50	C	0.000	0.000	0.540	0.000	0.16
		A	0.000	0.000	5.000	0.000	0.07
		B	0.000	0.000	3.745	0.000	0.09
L17	87.50-81.33	C	0.000	0.000	0.540	0.000	0.16
		A	0.000	0.000	2.750	0.000	0.09
		B	0.000	0.000	4.621	0.000	0.11
L18	81.33-80.33	C	0.000	0.000	0.666	0.000	0.20
		A	0.000	0.000	0.000	0.000	0.01
		B	0.000	0.000	0.749	0.000	0.02
L19	80.33-75.33	C	0.000	0.000	0.108	0.000	0.03
		A	0.000	0.000	0.184	0.000	0.07
		B	0.000	0.000	3.929	0.000	0.09
L20	75.33-70.33	C	0.000	0.000	0.724	0.000	0.16
		A	0.000	0.000	5.417	0.000	0.07
		B	0.000	0.000	9.162	0.000	0.09
L21	70.33-67.75	C	0.000	0.000	5.957	0.000	0.16
		A	0.000	0.000	2.795	0.000	0.04
		B	0.000	0.000	4.727	0.000	0.04
L22	67.75-67.50	C	0.000	0.000	3.074	0.000	0.08
		A	0.000	0.000	0.271	0.000	0.00
		B	0.000	0.000	0.458	0.000	0.00
L23	67.50-62.50	C	0.000	0.000	0.298	0.000	0.01
		A	0.000	0.000	5.417	0.000	0.07
		B	0.000	0.000	9.162	0.000	0.09
L24	62.50-57.50	C	0.000	0.000	5.957	0.000	0.16
		A	0.000	0.000	5.417	0.000	0.07
		B	0.000	0.000	9.162	0.000	0.09
L25	57.50-52.50	C	0.000	0.000	5.957	0.000	0.16
		A	0.000	0.000	5.417	0.000	0.07
		B	0.000	0.000	9.162	0.000	0.09
L26	52.50-41.42	C	0.000	0.000	5.957	0.000	0.16
		A	0.000	0.000	12.003	0.000	0.15
		B	0.000	0.000	20.302	0.000	0.19
L27	41.42-40.42	C	0.000	0.000	13.200	0.000	0.36
		A	0.000	0.000	1.083	0.000	0.01
		B	0.000	0.000	1.832	0.000	0.02
L28	40.42-35.42	C	0.000	0.000	1.191	0.000	0.03
		A	0.000	0.000	5.417	0.000	0.07
		B	0.000	0.000	9.162	0.000	0.09
L29	35.42-30.50	C	0.000	0.000	5.957	0.000	0.16
		A	0.000	0.000	5.330	0.000	0.07
		B	0.000	0.000	9.015	0.000	0.09
L30	30.50-30.25	C	0.000	0.000	5.861	0.000	0.16
		A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.541	0.000	0.00
L31	30.25-26.75	C	0.000	0.000	0.381	0.000	0.01
		A	0.000	0.000	8.750	0.000	0.05
		B	0.000	0.000	7.580	0.000	0.06
L32	26.75-26.50	C	0.000	0.000	5.336	0.000	0.11
		A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.541	0.000	0.00
L33	26.50-26.25	C	0.000	0.000	0.381	0.000	0.01
		A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.541	0.000	0.00
L34	26.25-26.00	C	0.000	0.000	0.381	0.000	0.01
		A	0.000	0.000	0.625	0.000	0.00
		B	0.000	0.000	0.541	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L35	26.00-21.00	C	0.000	0.000	0.381	0.000	0.01
		A	0.000	0.000	9.792	0.000	0.07
		B	0.000	0.000	10.828	0.000	0.09
L36	21.00-16.00	C	0.000	0.000	7.623	0.000	0.16
		A	0.000	0.000	7.083	0.000	0.07
		B	0.000	0.000	10.828	0.000	0.09
L37	16.00-11.00	C	0.000	0.000	7.623	0.000	0.16
		A	0.000	0.000	7.083	0.000	0.07
		B	0.000	0.000	10.828	0.000	0.09
L38	11.00-6.00	C	0.000	0.000	7.623	0.000	0.16
		A	0.000	0.000	7.083	0.000	0.06
		B	0.000	0.000	10.079	0.000	0.07
L39	6.00-1.00	C	0.000	0.000	7.623	0.000	0.15
		A	0.000	0.000	7.083	0.000	0.00
		B	0.000	0.000	7.083	0.000	0.00
L40	1.00-0.50	C	0.000	0.000	7.623	0.000	0.04
		A	0.000	0.000	0.708	0.000	0.00
		B	0.000	0.000	0.708	0.000	0.00
L41	0.50-0.25	C	0.000	0.000	0.762	0.000	0.00
		A	0.000	0.000	0.354	0.000	0.00
		B	0.000	0.000	0.354	0.000	0.00
L42	0.25-0.00	C	0.000	0.000	0.381	0.000	0.00
		A	0.000	0.000	0.354	0.000	0.00
		B	0.000	0.000	0.354	0.000	0.00
		C	0.000	0.000	0.381	0.000	0.00

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	160.00-155.00	A	0.994	0.000	0.000	0.000	0.000	0.04
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	2.528	0.000	0.03
L2	155.00-150.00	A	0.991	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	2.521	0.000	0.03
L3	150.00-145.00	A	0.987	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	2.515	0.000	0.06
L4	145.00-140.00	A	0.984	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	2.508	0.000	0.10
L5	140.00-135.00	A	0.980	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	0.000	0.000	0.02
		C		0.000	0.000	2.501	0.000	0.10
L6	135.00-130.00	A	0.977	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	0.000	0.000	0.04
		C		0.000	0.000	2.494	0.000	0.10
L7	130.00-121.33	A	0.972	0.000	0.000	0.000	0.000	0.12
		B		0.000	0.000	0.000	0.000	0.07
		C		0.000	0.000	4.306	0.000	0.25
L8	121.33-121.00	A	0.968	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.164	0.000	0.01
L9	121.00-116.00	A	0.966	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	0.353	0.000	0.04
		C		0.000	0.000	2.472	0.000	0.17
L10	116.00-111.00	A	0.962	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	1.762	0.000	0.07
		C		0.000	0.000	2.463	0.000	0.17
L11	111.00-106.00	A	0.957	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	3.212	0.000	0.08
		C		0.000	0.000	2.455	0.000	0.17
L12	106.00-102.75	A	0.954	0.000	0.000	2.381	0.000	0.06
		B		0.000	0.000	5.857	0.000	0.10

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L13	102.75-102.50	C	0.952	0.000	0.000	1.591	0.000	0.11
		A		0.000	0.000	0.298	0.000	0.01
		B		0.000	0.000	0.450	0.000	0.01
L14	102.50-97.50	C	0.950	0.000	0.000	0.122	0.000	0.01
		A		0.000	0.000	5.950	0.000	0.10
		B		0.000	0.000	8.992	0.000	0.15
L15	97.50-92.50	C	0.945	0.000	0.000	2.439	0.000	0.17
		A		0.000	0.000	5.945	0.000	0.10
		B		0.000	0.000	8.969	0.000	0.15
L16	92.50-87.50	C	0.940	0.000	0.000	2.430	0.000	0.18
		A		0.000	0.000	5.940	0.000	0.10
		B		0.000	0.000	8.945	0.000	0.15
L17	87.50-81.33	C	0.934	0.000	0.000	2.419	0.000	0.18
		A		0.000	0.000	3.264	0.000	0.10
		B		0.000	0.000	11.003	0.000	0.18
L18	81.33-80.33	C	0.930	0.000	0.000	2.971	0.000	0.22
		A		0.000	0.000	0.000	0.000	0.01
		B		0.000	0.000	1.783	0.000	0.03
L19	80.33-75.33	C	0.926	0.000	0.000	0.481	0.000	0.04
		A		0.000	0.000	0.216	0.000	0.07
		B		0.000	0.000	9.096	0.000	0.15
L20	75.33-70.33	C	0.920	0.000	0.000	2.608	0.000	0.18
		A		0.000	0.000	6.337	0.000	0.10
		B		0.000	0.000	15.188	0.000	0.18
L21	70.33-67.75	C	0.915	0.000	0.000	8.717	0.000	0.21
		A		0.000	0.000	3.267	0.000	0.05
		B		0.000	0.000	7.822	0.000	0.09
L22	67.75-67.50	C	0.913	0.000	0.000	4.490	0.000	0.11
		A		0.000	0.000	0.316	0.000	0.01
		B		0.000	0.000	0.757	0.000	0.01
L23	67.50-62.50	C	0.910	0.000	0.000	0.435	0.000	0.01
		A		0.000	0.000	6.326	0.000	0.10
		B		0.000	0.000	15.128	0.000	0.18
L24	62.50-57.50	C	0.902	0.000	0.000	8.685	0.000	0.21
		A		0.000	0.000	6.319	0.000	0.10
		B		0.000	0.000	15.086	0.000	0.18
L25	57.50-52.50	C	0.895	0.000	0.000	8.664	0.000	0.21
		A		0.000	0.000	6.311	0.000	0.10
		B		0.000	0.000	15.041	0.000	0.18
L26	52.50-41.42	C	0.880	0.000	0.000	8.640	0.000	0.21
		A		0.000	0.000	13.954	0.000	0.23
		B		0.000	0.000	33.152	0.000	0.38
L27	41.42-40.42	C	0.868	0.000	0.000	19.053	0.000	0.47
		A		0.000	0.000	1.259	0.000	0.02
		B		0.000	0.000	2.992	0.000	0.03
L28	40.42-35.42	C	0.862	0.000	0.000	1.720	0.000	0.04
		A		0.000	0.000	6.279	0.000	0.10
		B		0.000	0.000	14.854	0.000	0.17
L29	35.42-30.50	C	0.850	0.000	0.000	8.542	0.000	0.21
		A		0.000	0.000	6.166	0.000	0.10
		B		0.000	0.000	14.548	0.000	0.17
L30	30.50-30.25	C	0.843	0.000	0.000	8.370	0.000	0.20
		A		0.000	0.000	0.709	0.000	0.01
		B		0.000	0.000	0.821	0.000	0.01
L31	30.25-26.75	C	0.838	0.000	0.000	0.508	0.000	0.01
		A		0.000	0.000	9.923	0.000	0.10
		B		0.000	0.000	11.467	0.000	0.12
L32	26.75-26.50	C	0.832	0.000	0.000	7.095	0.000	0.15
		A		0.000	0.000	0.708	0.000	0.01
		B		0.000	0.000	0.817	0.000	0.01
L33	26.50-26.25	C	0.831	0.000	0.000	0.506	0.000	0.01
		A		0.000	0.000	0.708	0.000	0.01
		B		0.000	0.000	0.817	0.000	0.01
L34	26.25-26.00	C	0.830	0.000	0.000	0.506	0.000	0.01
		A		0.000	0.000	0.708	0.000	0.01
		B		0.000	0.000	0.817	0.000	0.01
L35	26.00-21.00	C	0.822	0.000	0.000	0.506	0.000	0.01
		A		0.000	0.000	11.024	0.000	0.12
		B		0.000	0.000	16.289	0.000	0.17

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L36	21.00-16.00	C	0.802	0.000	0.000	10.088	0.000	0.21
		A		0.000	0.000	7.885	0.000	0.10
		B		0.000	0.000	16.177	0.000	0.17
L37	16.00-11.00	C	0.777	0.000	0.000	10.030	0.000	0.21
		A		0.000	0.000	7.861	0.000	0.10
		B		0.000	0.000	16.034	0.000	0.17
L38	11.00-6.00	C	0.742	0.000	0.000	9.955	0.000	0.21
		A		0.000	0.000	7.825	0.000	0.09
		B		0.000	0.000	14.230	0.000	0.14
L39	6.00-1.00	C	0.679	0.000	0.000	9.850	0.000	0.19
		A		0.000	0.000	7.762	0.000	0.03
		B		0.000	0.000	7.762	0.000	0.03
L40	1.00-0.50	C	0.582	0.000	0.000	9.660	0.000	0.08
		A		0.000	0.000	0.767	0.000	0.00
		B		0.000	0.000	0.767	0.000	0.00
L41	0.50-0.25	C	0.543	0.000	0.000	0.937	0.000	0.00
		A		0.000	0.000	0.381	0.000	0.00
		B		0.000	0.000	0.381	0.000	0.00
L42	0.25-0.00	C	0.487	0.000	0.000	0.463	0.000	0.00
		A		0.000	0.000	0.379	0.000	0.00
		B		0.000	0.000	0.379	0.000	0.00
		C		0.000	0.000	0.454	0.000	0.00

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	160.00-155.00	0.5184	0.3766	1.5536	1.1287
L2	155.00-150.00	0.5190	0.3771	1.5654	1.1373
L3	150.00-145.00	0.5196	0.3775	1.5759	1.1450
L4	145.00-140.00	0.5201	0.3779	1.5854	1.1518
L5	140.00-135.00	0.5206	0.3783	1.5938	1.1580
L6	135.00-130.00	0.5211	0.3786	1.6012	1.1634
L7	130.00-121.33	0.5217	0.3790	1.6099	1.1697
L8	121.33-121.00	0.5226	0.3797	1.6163	1.1743
L9	121.00-116.00	0.7045	0.4362	1.8644	1.2425
L10	116.00-111.00	1.3794	0.6462	2.7739	1.4975
L11	111.00-106.00	1.6802	0.0583	3.0316	0.4933
L12	106.00-102.75	4.7134	-4.1157	4.8989	-3.4884
L13	102.75-102.50	5.7213	-5.2133	5.5776	-4.2675
L14	102.50-97.50	5.7578	-5.2449	5.6274	-4.3062
L15	97.50-92.50	5.8256	-5.3036	5.7201	-4.3784
L16	92.50-87.50	5.8908	-5.3602	5.8097	-4.4486
L17	87.50-81.33	4.3347	-3.6615	4.8353	-3.2955
L18	81.33-80.33	2.7297	-1.9210	3.8603	-2.1715
L19	80.33-75.33	2.6630	-1.8739	3.8128	-2.1479
L20	75.33-70.33	1.5205	-1.0698	2.5937	-1.4628
L21	70.33-67.75	1.5368	-1.0811	2.6216	-1.4799
L22	67.75-67.50	1.5441	-1.0863	2.6336	-1.4872
L23	67.50-62.50	1.5551	-1.0939	2.6520	-1.4987
L24	62.50-57.50	1.5757	-1.1083	2.6860	-1.5200
L25	57.50-52.50	1.5960	-1.1224	2.7185	-1.5408
L26	52.50-41.42	1.6276	-1.1444	2.7666	-1.5726
L27	41.42-40.42	1.6329	-1.1481	2.7775	-1.5787
L28	40.42-35.42	1.6442	-1.1560	2.7795	-1.5862
L29	35.42-30.50	1.6628	-1.1690	2.8028	-1.6036
L30	30.50-30.25	-1.5532	-1.7414	0.0742	-2.0731
L31	30.25-26.75	-1.5611	-1.7500	0.0680	-2.0825
L32	26.75-26.50	-1.5683	-1.7578	0.0613	-2.0910
L33	26.50-26.25	-1.5693	-1.7589	0.0604	-2.0923
L34	26.25-26.00	-1.5702	-1.7599	0.0594	-2.0933
L35	26.00-21.00	-1.5612	-0.3153	0.1400	-0.9359
L36	21.00-16.00	-1.5590	1.3140	0.2146	0.3471
L37	16.00-11.00	-1.5777	1.3296	0.1812	0.3644
L38	11.00-6.00	-1.8917	1.6277	-0.2758	0.8240

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L39	6.00-1.00	-3.1992	2.8759	-2.3345	2.9572
L40	1.00-0.50	-3.2165	2.8914	-2.4130	2.9173
L41	0.50-0.25	-3.2215	2.8958	-2.4438	2.8991
L42	0.25-0.00	-3.2230	2.8972	-2.4847	2.8672

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L1	1	Climbing Rungs	155.00 - 160.00	1.0000	1.0000
L1	2	Safety Line 3/8	155.00 - 160.00	1.0000	1.0000
L2	1	Climbing Rungs	150.00 - 155.00	1.0000	1.0000
L2	2	Safety Line 3/8	150.00 - 155.00	1.0000	1.0000
L3	1	Climbing Rungs	145.00 - 150.00	1.0000	1.0000
L3	2	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L4	1	Climbing Rungs	140.00 - 145.00	1.0000	1.0000
L4	2	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L5	1	Climbing Rungs	135.00 - 140.00	1.0000	1.0000
L5	2	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L6	1	Climbing Rungs	130.00 - 135.00	1.0000	1.0000
L6	2	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L7	1	Climbing Rungs	121.33 - 130.00	1.0000	1.0000
L7	2	Safety Line 3/8	121.33 - 130.00	1.0000	1.0000
L8	1	Climbing Rungs	121.00 - 121.33	1.0000	1.0000
L8	2	Safety Line 3/8	121.00 - 121.33	1.0000	1.0000
L9	1	Climbing Rungs	116.00 - 121.00	1.0000	1.0000
L9	2	Safety Line 3/8	116.00 - 121.00	1.0000	1.0000
L9	27	CU12PSM9P6XXX(1-1/2)	116.00 - 117.00	1.0000	1.0000
L10	1	Climbing Rungs	111.00 - 116.00	1.0000	1.0000
L10	2	Safety Line 3/8	111.00 - 116.00	1.0000	1.0000
L10	27	CU12PSM9P6XXX(1-1/2)	111.00 - 116.00	1.0000	1.0000
L11	1	Climbing Rungs	106.00 - 111.00	1.0000	1.0000
L11	2	Safety Line 3/8	106.00 - 111.00	1.0000	1.0000
L11	27	CU12PSM9P6XXX(1-1/2)	106.00 - 111.00	1.0000	1.0000
L11	29	HJ4.5-50(5/8)	106.00 - 107.00	1.0000	1.0000
L11	30	EC4-50(1/2)	106.00 - 107.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L11	31	2" Conduit	106.00 - 107.00	1.0000	1.0000
L12	1	Climbing Rungs	102.75 - 106.00	1.0000	1.0000
L12	2	Safety Line 3/8	102.75 - 106.00	1.0000	1.0000
L12	27	CU12PSM9P6XXX(1-1/2)	102.75 - 106.00	1.0000	1.0000
L12	29	HJ4.5-50(5/8)	102.75 - 106.00	1.0000	1.0000
L12	30	EC4-50(1/2)	102.75 - 106.00	1.0000	1.0000
L12	31	2" Conduit	102.75 - 106.00	1.0000	1.0000
L12	46	(Area) CCI-65FP-060100 (H)	102.75 - 104.75	1.0000	1.0000
L13	1	Climbing Rungs	102.50 - 102.75	1.0000	1.0000
L13	2	Safety Line 3/8	102.50 - 102.75	1.0000	1.0000
L13	27	CU12PSM9P6XXX(1-1/2)	102.50 - 102.75	1.0000	1.0000
L13	29	HJ4.5-50(5/8)	102.50 - 102.75	1.0000	1.0000
L13	30	EC4-50(1/2)	102.50 - 102.75	1.0000	1.0000
L13	31	2" Conduit	102.50 - 102.75	1.0000	1.0000
L13	46	(Area) CCI-65FP-060100 (H)	102.50 - 102.75	1.0000	1.0000
L14	1	Climbing Rungs	97.50 - 102.50	1.0000	1.0000
L14	2	Safety Line 3/8	97.50 - 102.50	1.0000	1.0000
L14	27	CU12PSM9P6XXX(1-1/2)	97.50 - 102.50	1.0000	1.0000
L14	29	HJ4.5-50(5/8)	97.50 - 102.50	1.0000	1.0000
L14	30	EC4-50(1/2)	97.50 - 102.50	1.0000	1.0000
L14	31	2" Conduit	97.50 - 102.50	1.0000	1.0000
L14	46	(Area) CCI-65FP-060100 (H)	97.50 - 102.50	1.0000	1.0000
L15	1	Climbing Rungs	92.50 - 97.50	1.0000	1.0000
L15	2	Safety Line 3/8	92.50 - 97.50	1.0000	1.0000
L15	27	CU12PSM9P6XXX(1-1/2)	92.50 - 97.50	1.0000	1.0000
L15	29	HJ4.5-50(5/8)	92.50 - 97.50	1.0000	1.0000
L15	30	EC4-50(1/2)	92.50 - 97.50	1.0000	1.0000
L15	31	2" Conduit	92.50 - 97.50	1.0000	1.0000
L15	46	(Area) CCI-65FP-060100 (H)	92.50 - 97.50	1.0000	1.0000
L16	1	Climbing Rungs	87.50 - 92.50	1.0000	1.0000
L16	2	Safety Line 3/8	87.50 - 92.50	1.0000	1.0000
L16	27	CU12PSM9P6XXX(1-1/2)	87.50 - 92.50	1.0000	1.0000
L16	29	HJ4.5-50(5/8)	87.50 - 92.50	1.0000	1.0000
L16	30	EC4-50(1/2)	87.50 - 92.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L16	31	2" Conduit	87.50 - 92.50	1.0000	1.0000
L16	46	(Area) CCI-65FP-060100 (H)	87.50 - 92.50	1.0000	1.0000
L17	1	Climbing Rungs	81.33 - 87.50	1.0000	1.0000
L17	2	Safety Line 3/8	81.33 - 87.50	1.0000	1.0000
L17	27	CU12PSM9P6XXX(1-1/2)	81.33 - 87.50	1.0000	1.0000
L17	29	HJ4.5-50(5/8)	81.33 - 87.50	1.0000	1.0000
L17	30	EC4-50(1/2)	81.33 - 87.50	1.0000	1.0000
L17	31	2" Conduit	81.33 - 87.50	1.0000	1.0000
L17	46	(Area) CCI-65FP-060100 (H)	84.75 - 87.50	1.0000	1.0000
L18	1	Climbing Rungs	80.33 - 81.33	1.0000	1.0000
L18	2	Safety Line 3/8	80.33 - 81.33	1.0000	1.0000
L18	27	CU12PSM9P6XXX(1-1/2)	80.33 - 81.33	1.0000	1.0000
L18	29	HJ4.5-50(5/8)	80.33 - 81.33	1.0000	1.0000
L18	30	EC4-50(1/2)	80.33 - 81.33	1.0000	1.0000
L18	31	2" Conduit	80.33 - 81.33	1.0000	1.0000
L19	1	Climbing Rungs	75.33 - 80.33	1.0000	1.0000
L19	2	Safety Line 3/8	75.33 - 80.33	1.0000	1.0000
L19	27	CU12PSM9P6XXX(1-1/2)	75.33 - 80.33	1.0000	1.0000
L19	29	HJ4.5-50(5/8)	75.33 - 80.33	1.0000	1.0000
L19	30	EC4-50(1/2)	75.33 - 80.33	1.0000	1.0000
L19	31	2" Conduit	75.33 - 80.33	1.0000	1.0000
L19	43	(Area) CCI-65FP-065125 (H)	75.33 - 75.50	1.0000	1.0000
L19	44	(Area) CCI-65FP-065125 (H)	75.33 - 75.50	1.0000	1.0000
L19	45	(Area) CCI-65FP-065125 (H)	75.33 - 75.50	1.0000	1.0000
L20	1	Climbing Rungs	70.33 - 75.33	1.0000	1.0000
L20	2	Safety Line 3/8	70.33 - 75.33	1.0000	1.0000
L20	27	CU12PSM9P6XXX(1-1/2)	70.33 - 75.33	1.0000	1.0000
L20	29	HJ4.5-50(5/8)	70.33 - 75.33	1.0000	1.0000
L20	30	EC4-50(1/2)	70.33 - 75.33	1.0000	1.0000
L20	31	2" Conduit	70.33 - 75.33	1.0000	1.0000
L20	43	(Area) CCI-65FP-065125 (H)	70.33 - 75.33	1.0000	1.0000
L20	44	(Area) CCI-65FP-065125 (H)	70.33 - 75.33	1.0000	1.0000
L20	45	(Area) CCI-65FP-065125 (H)	70.33 - 75.33	1.0000	1.0000
L21	1	Climbing Rungs	67.75 - 70.33	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L21	2	Safety Line 3/8	67.75 - 70.33	1.0000	1.0000
L21	27	CU12PSM9P6XXX(1-1/2)	67.75 - 70.33	1.0000	1.0000
L21	29	HJ4.5-50(5/8)	67.75 - 70.33	1.0000	1.0000
L21	30	EC4-50(1/2)	67.75 - 70.33	1.0000	1.0000
L21	31	2" Conduit	67.75 - 70.33	1.0000	1.0000
L21	43	(Area) CCI-65FP-065125 (H)	67.75 - 70.33	1.0000	1.0000
L21	44	(Area) CCI-65FP-065125 (H)	67.75 - 70.33	1.0000	1.0000
L21	45	(Area) CCI-65FP-065125 (H)	67.75 - 70.33	1.0000	1.0000
L22	1	Climbing Rungs	67.50 - 67.75	1.0000	1.0000
L22	2	Safety Line 3/8	67.50 - 67.75	1.0000	1.0000
L22	27	CU12PSM9P6XXX(1-1/2)	67.50 - 67.75	1.0000	1.0000
L22	29	HJ4.5-50(5/8)	67.50 - 67.75	1.0000	1.0000
L22	30	EC4-50(1/2)	67.50 - 67.75	1.0000	1.0000
L22	31	2" Conduit	67.50 - 67.75	1.0000	1.0000
L22	43	(Area) CCI-65FP-065125 (H)	67.50 - 67.75	1.0000	1.0000
L22	44	(Area) CCI-65FP-065125 (H)	67.50 - 67.75	1.0000	1.0000
L22	45	(Area) CCI-65FP-065125 (H)	67.50 - 67.75	1.0000	1.0000
L23	1	Climbing Rungs	62.50 - 67.50	1.0000	1.0000
L23	2	Safety Line 3/8	62.50 - 67.50	1.0000	1.0000
L23	27	CU12PSM9P6XXX(1-1/2)	62.50 - 67.50	1.0000	1.0000
L23	29	HJ4.5-50(5/8)	62.50 - 67.50	1.0000	1.0000
L23	30	EC4-50(1/2)	62.50 - 67.50	1.0000	1.0000
L23	31	2" Conduit	62.50 - 67.50	1.0000	1.0000
L23	43	(Area) CCI-65FP-065125 (H)	62.50 - 67.50	1.0000	1.0000
L23	44	(Area) CCI-65FP-065125 (H)	62.50 - 67.50	1.0000	1.0000
L23	45	(Area) CCI-65FP-065125 (H)	62.50 - 67.50	1.0000	1.0000
L24	1	Climbing Rungs	57.50 - 62.50	1.0000	1.0000
L24	2	Safety Line 3/8	57.50 - 62.50	1.0000	1.0000
L24	27	CU12PSM9P6XXX(1-1/2)	57.50 - 62.50	1.0000	1.0000
L24	29	HJ4.5-50(5/8)	57.50 - 62.50	1.0000	1.0000
L24	30	EC4-50(1/2)	57.50 - 62.50	1.0000	1.0000
L24	31	2" Conduit	57.50 - 62.50	1.0000	1.0000
L24	43	(Area) CCI-65FP-065125 (H)	57.50 - 62.50	1.0000	1.0000
L24	44	(Area) CCI-65FP-065125 (H)	57.50 - 62.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L24	45	(Area) CCI-65FP-065125 (H)	57.50 - 62.50	1.0000	1.0000
L25	1	Climbing Rungs	52.50 - 57.50	1.0000	1.0000
L25	2	Safety Line 3/8	52.50 - 57.50	1.0000	1.0000
L25	27	CU12PSM9P6XXX(1-1/2)	52.50 - 57.50	1.0000	1.0000
L25	29	HJ4.5-50(5/8)	52.50 - 57.50	1.0000	1.0000
L25	30	EC4-50(1/2)	52.50 - 57.50	1.0000	1.0000
L25	31	2" Conduit	52.50 - 57.50	1.0000	1.0000
L25	43	(Area) CCI-65FP-065125 (H)	52.50 - 57.50	1.0000	1.0000
L25	44	(Area) CCI-65FP-065125 (H)	52.50 - 57.50	1.0000	1.0000
L25	45	(Area) CCI-65FP-065125 (H)	52.50 - 57.50	1.0000	1.0000
L26	1	Climbing Rungs	41.42 - 52.50	1.0000	1.0000
L26	2	Safety Line 3/8	41.42 - 52.50	1.0000	1.0000
L26	27	CU12PSM9P6XXX(1-1/2)	41.42 - 52.50	1.0000	1.0000
L26	29	HJ4.5-50(5/8)	41.42 - 52.50	1.0000	1.0000
L26	30	EC4-50(1/2)	41.42 - 52.50	1.0000	1.0000
L26	31	2" Conduit	41.42 - 52.50	1.0000	1.0000
L26	40	(Area) CCI-65FP-065125 (H)	41.42 - 50.50	1.0000	1.0000
L26	41	(Area) CCI-65FP-065125 (H)	41.42 - 50.50	1.0000	1.0000
L26	42	(Area) CCI-65FP-065125 (H)	41.42 - 50.50	1.0000	1.0000
L26	43	(Area) CCI-65FP-065125 (H)	50.50 - 52.50	1.0000	1.0000
L26	44	(Area) CCI-65FP-065125 (H)	50.50 - 52.50	1.0000	1.0000
L26	45	(Area) CCI-65FP-065125 (H)	50.50 - 52.50	1.0000	1.0000
L27	1	Climbing Rungs	40.42 - 41.42	1.0000	1.0000
L27	2	Safety Line 3/8	40.42 - 41.42	1.0000	1.0000
L27	27	CU12PSM9P6XXX(1-1/2)	40.42 - 41.42	1.0000	1.0000
L27	29	HJ4.5-50(5/8)	40.42 - 41.42	1.0000	1.0000
L27	30	EC4-50(1/2)	40.42 - 41.42	1.0000	1.0000
L27	31	2" Conduit	40.42 - 41.42	1.0000	1.0000
L27	40	(Area) CCI-65FP-065125 (H)	40.42 - 41.42	1.0000	1.0000
L27	41	(Area) CCI-65FP-065125 (H)	40.42 - 41.42	1.0000	1.0000
L27	42	(Area) CCI-65FP-065125 (H)	40.42 - 41.42	1.0000	1.0000
L28	1	Climbing Rungs	35.42 - 40.42	1.0000	1.0000
L28	2	Safety Line 3/8	35.42 - 40.42	1.0000	1.0000
L28	27	CU12PSM9P6XXX(1-1/2)	35.42 - 40.42	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L28	29	HJ4.5-50(5/8)	35.42 - 40.42	1.0000	1.0000
L28	30	EC4-50(1/2)	35.42 - 40.42	1.0000	1.0000
L28	31	2" Conduit	35.42 - 40.42	1.0000	1.0000
L28	40	(Area) CCI-65FP-065125 (H)	35.42 - 40.42	1.0000	1.0000
L28	41	(Area) CCI-65FP-065125 (H)	35.42 - 40.42	1.0000	1.0000
L28	42	(Area) CCI-65FP-065125 (H)	35.42 - 40.42	1.0000	1.0000
L29	1	Climbing Rungs	30.50 - 35.42	1.0000	1.0000
L29	2	Safety Line 3/8	30.50 - 35.42	1.0000	1.0000
L29	27	CU12PSM9P6XXX(1-1/2)	30.50 - 35.42	1.0000	1.0000
L29	29	HJ4.5-50(5/8)	30.50 - 35.42	1.0000	1.0000
L29	30	EC4-50(1/2)	30.50 - 35.42	1.0000	1.0000
L29	31	2" Conduit	30.50 - 35.42	1.0000	1.0000
L29	40	(Area) CCI-65FP-065125 (H)	30.50 - 35.42	1.0000	1.0000
L29	41	(Area) CCI-65FP-065125 (H)	30.50 - 35.42	1.0000	1.0000
L29	42	(Area) CCI-65FP-065125 (H)	30.50 - 35.42	1.0000	1.0000
L30	1	Climbing Rungs	30.25 - 30.50	1.0000	1.0000
L30	2	Safety Line 3/8	30.25 - 30.50	1.0000	1.0000
L30	27	CU12PSM9P6XXX(1-1/2)	30.25 - 30.50	1.0000	1.0000
L30	29	HJ4.5-50(5/8)	30.25 - 30.50	1.0000	1.0000
L30	30	EC4-50(1/2)	30.25 - 30.50	1.0000	1.0000
L30	31	2" Conduit	30.25 - 30.50	1.0000	1.0000
L30	37	(Area) CCI-65FP-085125 (H)	30.25 - 30.50	1.0000	1.0000
L30	38	(Area) CCI-65FP-085125 (H)	30.25 - 30.50	1.0000	1.0000
L30	39	(Area) CCI-65FP-085125 (H)	30.25 - 30.50	1.0000	1.0000
L30	40	(Area) CCI-65FP-065125 (H)	30.25 - 30.50	1.0000	1.0000
L31	1	Climbing Rungs	26.75 - 30.25	1.0000	1.0000
L31	2	Safety Line 3/8	26.75 - 30.25	1.0000	1.0000
L31	27	CU12PSM9P6XXX(1-1/2)	26.75 - 30.25	1.0000	1.0000
L31	29	HJ4.5-50(5/8)	26.75 - 30.25	1.0000	1.0000
L31	30	EC4-50(1/2)	26.75 - 30.25	1.0000	1.0000
L31	31	2" Conduit	26.75 - 30.25	1.0000	1.0000
L31	37	(Area) CCI-65FP-085125 (H)	26.75 - 30.25	1.0000	1.0000
L31	38	(Area) CCI-65FP-085125 (H)	26.75 - 30.25	1.0000	1.0000
L31	39	(Area) CCI-65FP-085125 (H)	26.75 - 30.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L31	40	(Area) CCI-65FP-065125 (H)	26.75 - 30.25	1.0000	1.0000
L32	1	Climbing Rungs	26.50 - 26.75	1.0000	1.0000
L32	2	Safety Line 3/8	26.50 - 26.75	1.0000	1.0000
L32	27	CU12PSM9P6XXX(1-1/2)	26.50 - 26.75	1.0000	1.0000
L32	29	HJ4.5-50(5/8)	26.50 - 26.75	1.0000	1.0000
L32	30	EC4-50(1/2)	26.50 - 26.75	1.0000	1.0000
L32	31	2" Conduit	26.50 - 26.75	1.0000	1.0000
L32	37	(Area) CCI-65FP-085125 (H)	26.50 - 26.75	1.0000	1.0000
L32	38	(Area) CCI-65FP-085125 (H)	26.50 - 26.75	1.0000	1.0000
L32	39	(Area) CCI-65FP-085125 (H)	26.50 - 26.75	1.0000	1.0000
L32	40	(Area) CCI-65FP-065125 (H)	26.50 - 26.75	1.0000	1.0000
L33	1	Climbing Rungs	26.25 - 26.50	1.0000	1.0000
L33	2	Safety Line 3/8	26.25 - 26.50	1.0000	1.0000
L33	27	CU12PSM9P6XXX(1-1/2)	26.25 - 26.50	1.0000	1.0000
L33	29	HJ4.5-50(5/8)	26.25 - 26.50	1.0000	1.0000
L33	30	EC4-50(1/2)	26.25 - 26.50	1.0000	1.0000
L33	31	2" Conduit	26.25 - 26.50	1.0000	1.0000
L33	37	(Area) CCI-65FP-085125 (H)	26.25 - 26.50	1.0000	1.0000
L33	38	(Area) CCI-65FP-085125 (H)	26.25 - 26.50	1.0000	1.0000
L33	39	(Area) CCI-65FP-085125 (H)	26.25 - 26.50	1.0000	1.0000
L33	40	(Area) CCI-65FP-065125 (H)	26.25 - 26.50	1.0000	1.0000
L34	1	Climbing Rungs	26.00 - 26.25	1.0000	1.0000
L34	2	Safety Line 3/8	26.00 - 26.25	1.0000	1.0000
L34	27	CU12PSM9P6XXX(1-1/2)	26.00 - 26.25	1.0000	1.0000
L34	29	HJ4.5-50(5/8)	26.00 - 26.25	1.0000	1.0000
L34	30	EC4-50(1/2)	26.00 - 26.25	1.0000	1.0000
L34	31	2" Conduit	26.00 - 26.25	1.0000	1.0000
L34	37	(Area) CCI-65FP-085125 (H)	26.00 - 26.25	1.0000	1.0000
L34	38	(Area) CCI-65FP-085125 (H)	26.00 - 26.25	1.0000	1.0000
L34	39	(Area) CCI-65FP-085125 (H)	26.00 - 26.25	1.0000	1.0000
L34	40	(Area) CCI-65FP-065125 (H)	26.00 - 26.25	1.0000	1.0000
L35	1	Climbing Rungs	21.00 - 26.00	1.0000	1.0000
L35	2	Safety Line 3/8	21.00 - 26.00	1.0000	1.0000
L35	27	CU12PSM9P6XXX(1-1/2)	21.00 - 26.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L35	29	HJ4.5-50(5/8)	21.00 - 26.00	1.0000	1.0000
L35	30	EC4-50(1/2)	21.00 - 26.00	1.0000	1.0000
L35	31	2" Conduit	21.00 - 26.00	1.0000	1.0000
L35	37	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	1.0000	1.0000
L35	38	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	1.0000	1.0000
L35	39	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	1.0000	1.0000
L35	40	(Area) CCI-65FP-065125 (H)	23.50 - 26.00	1.0000	1.0000
L36	1	Climbing Rungs	16.00 - 21.00	1.0000	1.0000
L36	2	Safety Line 3/8	16.00 - 21.00	1.0000	1.0000
L36	27	CU12PSM9P6XXX(1-1/2)	16.00 - 21.00	1.0000	1.0000
L36	29	HJ4.5-50(5/8)	16.00 - 21.00	1.0000	1.0000
L36	30	EC4-50(1/2)	16.00 - 21.00	1.0000	1.0000
L36	31	2" Conduit	16.00 - 21.00	1.0000	1.0000
L36	37	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	1.0000	1.0000
L36	38	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	1.0000	1.0000
L36	39	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	1.0000	1.0000
L37	1	Climbing Rungs	11.00 - 16.00	1.0000	1.0000
L37	2	Safety Line 3/8	11.00 - 16.00	1.0000	1.0000
L37	27	CU12PSM9P6XXX(1-1/2)	11.00 - 16.00	1.0000	1.0000
L37	29	HJ4.5-50(5/8)	11.00 - 16.00	1.0000	1.0000
L37	30	EC4-50(1/2)	11.00 - 16.00	1.0000	1.0000
L37	31	2" Conduit	11.00 - 16.00	1.0000	1.0000
L37	37	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	1.0000	1.0000
L37	38	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	1.0000	1.0000
L37	39	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	1.0000	1.0000
L38	1	Climbing Rungs	6.00 - 11.00	1.0000	1.0000
L38	2	Safety Line 3/8	6.00 - 11.00	1.0000	1.0000
L38	27	CU12PSM9P6XXX(1-1/2)	7.00 - 11.00	1.0000	1.0000
L38	29	HJ4.5-50(5/8)	7.00 - 11.00	1.0000	1.0000
L38	30	EC4-50(1/2)	7.00 - 11.00	1.0000	1.0000
L38	31	2" Conduit	7.00 - 11.00	1.0000	1.0000
L38	37	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	1.0000	1.0000
L38	38	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	1.0000	1.0000
L38	39	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	1.0000	1.0000
L39	1	Climbing Rungs	1.00 - 6.00	1.0000	1.0000
L39	2	Safety Line 3/8	1.00 - 6.00	1.0000	1.0000
L39	37	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	1.0000	1.0000
L39	38	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L39	39	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	1.0000	1.0000
L40	1	Climbing Rungs	0.50 - 1.00	1.0000	1.0000
L40	2	Safety Line 3/8	0.50 - 1.00	1.0000	1.0000
L40	37	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	1.0000	1.0000
L40	38	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	1.0000	1.0000
L40	39	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	1.0000	1.0000
L41	1	Climbing Rungs	0.25 - 0.50	1.0000	1.0000
L41	2	Safety Line 3/8	0.25 - 0.50	1.0000	1.0000
L41	37	(Area) CCI-65FP-085125 (H)	0.25 - 0.50	1.0000	1.0000
L41	38	(Area) CCI-65FP-085125 (H)	0.25 - 0.50	1.0000	1.0000
L41	39	(Area) CCI-65FP-085125 (H)	0.25 - 0.50	1.0000	1.0000
L42	1	Climbing Rungs	0.00 - 0.25	1.0000	1.0000
L42	2	Safety Line 3/8	0.00 - 0.25	1.0000	1.0000
L42	37	(Area) CCI-65FP-085125 (H)	0.00 - 0.25	1.0000	1.0000
L42	38	(Area) CCI-65FP-085125 (H)	0.00 - 0.25	1.0000	1.0000
L42	39	(Area) CCI-65FP-085125 (H)	0.00 - 0.25	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
L12	46	(Area) CCI-65FP-060100 (H)	102.75 - 104.75	Auto	0.0000
L13	46	(Area) CCI-65FP-060100 (H)	102.50 - 102.75	Auto	0.0000
L14	46	(Area) CCI-65FP-060100 (H)	97.50 - 102.50	Auto	0.0000
L15	46	(Area) CCI-65FP-060100 (H)	92.50 - 97.50	Auto	0.0000
L16	46	(Area) CCI-65FP-060100 (H)	87.50 - 92.50	Auto	0.0000
L17	46	(Area) CCI-65FP-060100 (H)	84.75 - 87.50	Auto	0.0000
L19	43	(Area) CCI-65FP-065125 (H)	75.33 - 75.50	Auto	0.0000
L19	44	(Area) CCI-65FP-065125 (H)	75.33 - 75.50	Auto	0.0000
L19	45	(Area) CCI-65FP-065125 (H)	75.33 - 75.50	Auto	0.0000
L20	43	(Area) CCI-65FP-065125 (H)	70.33 - 75.33	Auto	0.0000
L20	44	(Area) CCI-65FP-065125 (H)	70.33 - 75.33	Auto	0.0000
L20	45	(Area) CCI-65FP-065125 (H)	70.33 - 75.33	Auto	0.0000
L21	43	(Area) CCI-65FP-065125 (H)	67.75 - 70.33	Auto	0.0000
L21	44	(Area) CCI-65FP-065125 (H)	67.75 - 70.33	Auto	0.0000
L21	45	(Area) CCI-65FP-065125 (H)	67.75 - 70.33	Auto	0.0000
L22	43	(Area) CCI-65FP-065125 (H)	67.50 - 67.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L22	44	(Area) CCI-65FP-065125 (H)	67.50 - 67.75	Auto	0.0000
L22	45	(Area) CCI-65FP-065125 (H)	67.50 - 67.75	Auto	0.0000
L23	43	(Area) CCI-65FP-065125 (H)	62.50 - 67.50	Auto	0.0000
L23	44	(Area) CCI-65FP-065125 (H)	62.50 - 67.50	Auto	0.0000
L23	45	(Area) CCI-65FP-065125 (H)	62.50 - 67.50	Auto	0.0000
L24	43	(Area) CCI-65FP-065125 (H)	57.50 - 62.50	Auto	0.0000
L24	44	(Area) CCI-65FP-065125 (H)	57.50 - 62.50	Auto	0.0000
L24	45	(Area) CCI-65FP-065125 (H)	57.50 - 62.50	Auto	0.0000
L25	43	(Area) CCI-65FP-065125 (H)	52.50 - 57.50	Auto	0.0000
L25	44	(Area) CCI-65FP-065125 (H)	52.50 - 57.50	Auto	0.0000
L25	45	(Area) CCI-65FP-065125 (H)	52.50 - 57.50	Auto	0.0000
L26	40	(Area) CCI-65FP-065125 (H)	41.42 - 50.50	Auto	0.0000
L26	41	(Area) CCI-65FP-065125 (H)	41.42 - 50.50	Auto	0.0000
L26	42	(Area) CCI-65FP-065125 (H)	41.42 - 50.50	Auto	0.0000
L26	43	(Area) CCI-65FP-065125 (H)	50.50 - 52.50	Auto	0.0000
L26	44	(Area) CCI-65FP-065125 (H)	50.50 - 52.50	Auto	0.0000
L26	45	(Area) CCI-65FP-065125 (H)	50.50 - 52.50	Auto	0.0000
L27	40	(Area) CCI-65FP-065125 (H)	40.42 - 41.42	Auto	0.0000
L27	41	(Area) CCI-65FP-065125 (H)	40.42 - 41.42	Auto	0.0000
L27	42	(Area) CCI-65FP-065125 (H)	40.42 - 41.42	Auto	0.0000
L28	40	(Area) CCI-65FP-065125 (H)	35.42 - 40.42	Auto	0.0000
L28	41	(Area) CCI-65FP-065125 (H)	35.42 - 40.42	Auto	0.0000
L28	42	(Area) CCI-65FP-065125 (H)	35.42 - 40.42	Auto	0.0000
L29	40	(Area) CCI-65FP-065125 (H)	30.50 - 35.42	Auto	0.0000
L29	41	(Area) CCI-65FP-065125 (H)	30.50 - 35.42	Auto	0.0000
L29	42	(Area) CCI-65FP-065125 (H)	30.50 - 35.42	Auto	0.0000
L30	37	(Area) CCI-65FP-085125 (H)	30.25 - 30.50	Auto	0.0000
L30	38	(Area) CCI-65FP-085125 (H)	30.25 - 30.50	Auto	0.0000
L30	39	(Area) CCI-65FP-085125 (H)	30.25 - 30.50	Auto	0.0000
L30	40	(Area) CCI-65FP-065125 (H)	30.25 - 30.50	Auto	0.0000
L31	37	(Area) CCI-65FP-085125 (H)	26.75 - 30.25	Auto	0.0000
L31	38	(Area) CCI-65FP-085125 (H)	26.75 - 30.25	Auto	0.0000
L31	39	(Area) CCI-65FP-085125 (H)	26.75 - 30.25	Auto	0.0000
L31	40	(Area) CCI-65FP-065125 (H)	26.75 - 30.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L32	37	(Area) CCI-65FP-085125 (H)	26.50 - 26.75	Auto	0.0000
L32	38	(Area) CCI-65FP-085125 (H)	26.50 - 26.75	Auto	0.0000
L32	39	(Area) CCI-65FP-085125 (H)	26.50 - 26.75	Auto	0.0000
L32	40	(Area) CCI-65FP-065125 (H)	26.50 - 26.75	Auto	0.0000
L33	37	(Area) CCI-65FP-085125 (H)	26.25 - 26.50	Auto	0.0000
L33	38	(Area) CCI-65FP-085125 (H)	26.25 - 26.50	Auto	0.0000
L33	39	(Area) CCI-65FP-085125 (H)	26.25 - 26.50	Auto	0.0000
L33	40	(Area) CCI-65FP-065125 (H)	26.25 - 26.50	Auto	0.0000
L34	37	(Area) CCI-65FP-085125 (H)	26.00 - 26.25	Auto	0.0000
L34	38	(Area) CCI-65FP-085125 (H)	26.00 - 26.25	Auto	0.0000
L34	39	(Area) CCI-65FP-085125 (H)	26.00 - 26.25	Auto	0.0000
L34	40	(Area) CCI-65FP-065125 (H)	26.00 - 26.25	Auto	0.0000
L35	37	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	Auto	0.0000
L35	38	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	Auto	0.0000
L35	39	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	Auto	0.0000
L35	40	(Area) CCI-65FP-065125 (H)	23.50 - 26.00	Auto	0.0000
L36	37	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	Auto	0.0000
L36	38	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	Auto	0.0000
L36	39	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	Auto	0.0000
L37	37	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	Auto	0.0000
L37	38	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	Auto	0.0000
L37	39	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	Auto	0.0000
L38	37	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	Auto	0.0000
L38	38	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	Auto	0.0000
L38	39	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	Auto	0.0000
L39	37	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	Auto	0.0000
L39	38	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	Auto	0.0000
L39	39	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	Auto	0.0000
L40	37	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	Auto	0.0000
L40	38	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	Auto	0.0000
L40	39	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	Auto	0.0000
L41	37	(Area) CCI-65FP-085125 (H)	0.25 - 0.50	Auto	0.0000
L41	38	(Area) CCI-65FP-085125 (H)	0.25 - 0.50	Auto	0.0000
L41	39	(Area) CCI-65FP-085125 (H)	0.25 - 0.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L42	37	(Area) CCI-65FP-085125 (H)	0.00 - 0.25	Auto	0.0000
L42	38	(Area) CCI-65FP-085125 (H)	0.00 - 0.25	Auto	0.0000
L42	39	(Area) CCI-65FP-085125 (H)	0.00 - 0.25	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
(2) HBXX-6516DS-A2M w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	5.18 5.70 6.24	3.97 4.47 4.98	0.05 0.09 0.15
BXA-70040/6CF w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	12.93 13.65 14.38	5.68 6.30 6.93	0.08 0.17 0.28
BXA-70040/6CF w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	12.93 13.65 14.38	5.68 6.30 6.93	0.08 0.17 0.28
BXA-70040/6CF w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	12.93 13.65 14.38	5.68 6.30 6.93	0.08 0.17 0.28
BXA-80063/4CF w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	4.83 5.35 5.88	3.65 4.14 4.64	0.03 0.06 0.11
GPS_A	B	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	0.26 0.32 0.39	0.26 0.32 0.39	0.00 0.00 0.01
BXA-80063-6BF-EDIN-X w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	7.50 8.03 8.53	5.63 6.72 7.56	0.04 0.10 0.17
BXA-80063-6BF-EDIN-X w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	7.50 8.03 8.53	5.63 6.72 7.56	0.04 0.10 0.17
(2) HBXX-6517DS-A2M w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	7.97 8.73 9.50	5.99 6.72 7.47	0.08 0.14 0.22
(2) HBXX-6517DS-A2M w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	7.97 8.73 9.50	5.99 6.72 7.47	0.08 0.14 0.22
B4 RRH2X60-4R	A	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	3.36 3.61 3.88	2.00 2.24 2.48	0.06 0.08 0.10
B4 RRH2X60-4R	B	From Leg	4.00 0.00 1.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	3.36 3.61 3.88	2.00 2.24 2.48	0.06 0.08 0.10
B4 RRH2X60-4R	C	From Leg	4.00	0.0000	158.00	No Ice	3.36	2.00	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			1/2"	3.61	2.24	0.08
			1.00			Ice	3.88	2.48	0.10
DB-T1-6Z-8AB-0Z	B	From Leg	4.00	0.0000	158.00	1" Ice			
			0.00			No Ice	4.80	2.00	0.04
			1.00			1/2"	5.07	2.19	0.08
						Ice	5.35	2.39	0.12
Platform Mount [LP 713-1]	C	None		0.0000	158.00	1" Ice			
						No Ice	32.89	32.89	1.51
						1/2"	35.76	35.76	2.23
						Ice	38.76	38.76	3.03
						1" Ice			

800 10121 w/ Mount Pipe	A	From Leg	4.00	0.0000	147.00	No Ice	3.60	2.95	0.07
			0.00			1/2"	4.00	3.34	0.11
			2.00			Ice	4.42	3.74	0.17
800 10121 w/ Mount Pipe	B	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	3.60	2.95	0.07
			2.00			1/2"	4.00	3.34	0.11
						Ice	4.42	3.74	0.17
800 10121 w/ Mount Pipe	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	3.60	2.95	0.07
			2.00			1/2"	4.00	3.34	0.11
						Ice	4.42	3.74	0.17
QS66512-2 w/ Mount Pipe	A	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	4.04	4.18	0.14
			2.00			1/2"	4.42	4.57	0.21
						Ice	4.82	4.97	0.29
QS66512-2 w/ Mount Pipe	B	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	4.04	4.18	0.14
			2.00			1/2"	4.42	4.57	0.21
						Ice	4.82	4.97	0.29
QS66512-2 w/ Mount Pipe	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	4.04	4.18	0.14
			2.00			1/2"	4.42	4.57	0.21
						Ice	4.82	4.97	0.29
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	12.25	6.05	0.09
			2.00			1/2"	13.00	6.71	0.18
						Ice	13.76	7.39	0.27
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	12.25	6.05	0.09
			2.00			1/2"	13.00	6.71	0.18
						Ice	13.76	7.39	0.27
OPA65R-BU6D w/ Mount Pipe	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	12.25	6.05	0.09
			2.00			1/2"	13.00	6.71	0.18
						Ice	13.76	7.39	0.27
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	11.96	5.97	0.11
			2.00			1/2"	12.70	6.63	0.20
						Ice	13.46	7.30	0.30
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	11.96	5.97	0.11
			2.00			1/2"	12.70	6.63	0.20
						Ice	13.46	7.30	0.30
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	11.96	5.97	0.11
			2.00			1/2"	12.70	6.63	0.20
						Ice	13.46	7.30	0.30
TT19-08BP111-001	A	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	0.55	0.44	0.02
			2.00			1/2"	0.64	0.53	0.02
						Ice	0.74	0.63	0.03
TT19-08BP111-001	B	From Leg	4.00	0.0000	147.00	1" Ice			
						No Ice	0.55	0.44	0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			0.00			1/2"	0.64	0.53	0.02
			2.00			Ice	0.74	0.63	0.03
TT19-08BP111-001	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	0.55	0.44	0.02
			2.00			1/2"	0.64	0.53	0.02
						Ice	0.74	0.63	0.03
RRUS 32 B30	A	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	2.69	1.57	0.06
			2.00			1/2"	2.91	1.76	0.08
						Ice	3.14	1.95	0.10
RRUS 32 B30	B	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	2.69	1.57	0.06
			2.00			1/2"	2.91	1.76	0.08
						Ice	3.14	1.95	0.10
RRUS 32 B30	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	2.69	1.57	0.06
			2.00			1/2"	2.91	1.76	0.08
						Ice	3.14	1.95	0.10
(2) TPX-070821	A	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	0.47	0.10	0.01
			2.00			1/2"	0.56	0.15	0.01
						Ice	0.66	0.20	0.02
(2) TPX-070821	B	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	0.47	0.10	0.01
			2.00			1/2"	0.56	0.15	0.01
						Ice	0.66	0.20	0.02
(2) TPX-070821	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	0.47	0.10	0.01
			2.00			1/2"	0.56	0.15	0.01
						Ice	0.66	0.20	0.02
782 10253	A	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	0.11	0.06	0.00
			2.00			1/2"	0.15	0.10	0.00
						Ice	0.20	0.14	0.01
782 10253	B	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	0.11	0.06	0.00
			2.00			1/2"	0.15	0.10	0.00
						Ice	0.20	0.14	0.01
782 10253	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	0.11	0.06	0.00
			2.00			1/2"	0.15	0.10	0.00
						Ice	0.20	0.14	0.01
RRUS12/RRUS A2	A	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	3.14	1.84	0.07
			2.00			1/2"	3.36	2.01	0.10
						Ice	3.59	2.20	0.13
RRUS12/RRUS A2	B	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	3.14	1.84	0.07
			2.00			1/2"	3.36	2.01	0.10
						Ice	3.59	2.20	0.13
RRUS12/RRUS A2	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	3.14	1.84	0.07
			2.00			1/2"	3.36	2.01	0.10
						Ice	3.59	2.20	0.13
RRUS 4478 B14_CCIV2	A	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	2.02	1.25	0.06
			2.00			1/2"	2.20	1.40	0.08
						Ice	2.39	1.55	0.10
RRUS 4478 B14_CCIV2	B	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	2.02	1.25	0.06
			2.00			1/2"	2.20	1.40	0.08
						Ice	2.39	1.55	0.10
RRUS 4478 B14_CCIV2	C	From Leg	4.00	0.0000	147.00	1" Ice			
			0.00			No Ice	2.02	1.25	0.06
							2.20	1.40	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			2.00			1/2" Ice	2.39	1.55	0.10
RRUS 32 B66A	A	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	2.86 3.09 3.32	1.78 1.97 2.17	0.06 0.08 0.10
RRUS 32 B66A	B	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	2.86 3.09 3.32	1.78 1.97 2.17	0.06 0.08 0.10
RRUS 32 B66A	C	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	2.86 3.09 3.32	1.78 1.97 2.17	0.06 0.08 0.10
RRUS 4449 B5/B12	A	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
RRUS 4449 B5/B12	B	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
RRUS 4449 B5/B12	C	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
WCS-IMFQ-AMT	B	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	0.99 1.11 1.25	0.64 0.75 0.86	0.03 0.04 0.05
WCS-IMFQ-AMT	C	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	0.99 1.11 1.25	0.64 0.75 0.86	0.03 0.04 0.05
DC6-48-60-18-8C-EV	A	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	2.74 2.96 3.20	2.74 2.96 3.20	0.03 0.05 0.08
DC6-48-60-18-8F	B	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	0.92 1.46 1.64	0.92 1.46 1.64	0.02 0.04 0.06
DC6-48-60-18-8F	C	From Leg	4.00 0.00 2.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	0.92 1.46 1.64	0.92 1.46 1.64	0.02 0.04 0.06
(2) 2.4" Dia. x 6-ft	A	From Leg	4.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
(2) 2.4" Dia. x 6-ft	B	From Leg	4.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
(2) 2.4" Dia. x 6-ft	C	From Leg	4.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
2.4" x 8' Pipe	A	From Leg	4.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice	1.90 2.73 3.42	1.90 2.73 3.42	0.03 0.05 0.07
2.4" x 8' Pipe	B	From Leg	4.00 0.00	0.0000	147.00	1" Ice No Ice	1.90 2.73	1.90 2.73	0.03 0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			0.00			1/2" Ice 3.42	3.42	0.07
2.4" x 8' Pipe	C	From Leg	4.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 3.42	1.90 1.90 2.73 3.42	0.03 0.05 0.07
2.4" x 8' Pipe	A	From Leg	0.50 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 3.42	1.90 1.90 2.73 3.42	0.03 0.05 0.07
2.4" x 8' Pipe	B	From Leg	0.50 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 3.42	1.90 1.90 2.73 3.42	0.03 0.05 0.07
2.4" x 8' Pipe	C	From Leg	0.50 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 3.42	1.90 1.90 2.73 3.42	0.03 0.05 0.07
HSS4x4x1/4 x 3.5' (Standoff)	A	From Leg	2.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 0.24	0.13 0.18 1.66 1.93	0.04 0.05 0.06
HSS4x4x1/4 x 3.5' (Standoff)	B	From Leg	2.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 0.24	0.13 0.18 1.66 1.93	0.04 0.05 0.06
HSS4x4x1/4 x 3.5' (Standoff)	C	From Leg	2.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 0.24	0.13 0.18 1.66 1.93	0.04 0.05 0.06
2.9"x5' Pipe	A	From Leg	2.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 1.95	1.33 1.33 1.64 1.95	0.03 0.04 0.05
2.9"x5' Pipe	B	From Leg	2.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 1.95	1.33 1.33 1.64 1.95	0.03 0.04 0.05
2.9"x5' Pipe	C	From Leg	2.00 0.00 0.00	0.0000	147.00	1" Ice No Ice 1/2" Ice 1.95	1.33 1.33 1.64 1.95	0.03 0.04 0.05
Platform Mount [LP 713-1]	C	None		0.0000	147.00	1" Ice No Ice 1/2" Ice Ice 1" Ice 32.89 35.76 38.76	32.89 32.89 35.76 38.76	1.51 2.23 3.03

6' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice Ice 2.29	1.43 1.43 1.92 2.29	0.02 0.03 0.05
6' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	137.00	1" Ice No Ice 1/2" Ice Ice 2.29	1.43 1.43 1.92 2.29	0.02 0.03 0.05
6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	137.00	1" Ice No Ice 1/2" Ice Ice 2.29	1.43 1.43 1.92 2.29	0.02 0.03 0.05
Platform Mount [LP 713-1]	C	None		0.0000	137.00	1" Ice No Ice 1/2" Ice Ice 1" Ice 32.89 35.76 38.76	32.89 32.89 35.76 38.76	1.51 2.23 3.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45
APX16DWV-16DWV-S-E- A20 w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	6.29 6.86 7.45	2.76 3.27 3.79	0.06 0.11 0.16
APX16DWV-16DWV-S-E- A20 w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	6.29 6.86 7.45	2.76 3.27 3.79	0.06 0.11 0.16
APX16DWV-16DWV-S-E- A20 w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	6.29 6.86 7.45	2.76 3.27 3.79	0.06 0.11 0.16
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	5.19 5.59 6.02	2.71 3.04 3.38	0.13 0.17 0.23
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	5.19 5.59 6.02	2.71 3.04 3.38	0.13 0.17 0.23
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	5.19 5.59 6.02	2.71 3.04 3.38	0.13 0.17 0.23
Radio 4480_TMOV2	A	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
Radio 4480_TMOV2	B	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
Radio 4480_TMOV2	C	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.00 0.00 1.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
(2) 8' Mount Pipe [#P 2.0 STD]	A	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
(2) 8' Mount Pipe [#P 2.0 STD]	B	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 8' Mount Pipe [#P 2.0 STD]	C	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
***** HORIZON DUO	C	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	0.17 0.25 0.34	0.24 0.34 0.46	0.01 0.02 0.03
***** ERICSSON AIR 21 B4A B2P	A	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	3.19 3.52 3.85	1.98 2.28 2.59	0.09 0.13 0.18
ERICSSON AIR 21 B4A B2P	B	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	3.19 3.52 3.85	1.98 2.28 2.59	0.09 0.13 0.18
ERICSSON AIR 21 B4A B2P	C	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	3.19 3.52 3.85	1.98 2.28 2.59	0.09 0.13 0.18
ERICSSON AIR 21 B2A B4P	A	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	3.19 3.52 3.85	1.98 2.28 2.59	0.09 0.13 0.18
ERICSSON AIR 21 B2A B4P	B	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	3.19 3.52 3.85	1.98 2.28 2.59	0.09 0.13 0.18
ERICSSON AIR 21 B2A B4P	C	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	3.19 3.52 3.85	1.98 2.28 2.59	0.09 0.13 0.18
KRY 112 144/1	A	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
KRY 112 144/1	B	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
KRY 112 144/1	C	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
Platform Mount [LP 1201- 1]	C	None		0.0000	127.00	No Ice 1/2" Ice 1" Ice	18.38 22.11 25.87	18.38 22.11 25.87	2.10 2.65 3.26
*** APXVAARR24_43-U-NA20	A	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	14.67 15.43 16.21	5.32 5.99 6.68	0.15 0.27 0.39
APXVAARR24_43-U-NA20	B	From Leg	4.00 0.00 2.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	14.67 15.43 16.21	5.32 5.99 6.68	0.15 0.27 0.39
APXVAARR24_43-U-NA20	C	From Leg	4.00 0.00	0.0000	127.00	No Ice	14.67 15.43	5.32 5.99	0.15 0.27

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			2.00			1/2" Ice	16.21	6.68	0.39
RADIO 4449 B12/B71	A	From Leg	4.00 0.00 2.00	0.0000	127.00	1" Ice No Ice 1/2" Ice	1.65 1.81 1.98	1.16 1.30 1.45	0.07 0.09 0.11
RADIO 4449 B12/B71	B	From Leg	4.00 0.00 2.00	0.0000	127.00	1" Ice No Ice 1/2" Ice	1.65 1.81 1.98	1.16 1.30 1.45	0.07 0.09 0.11
(2) RADIO 4449 B12/B71	C	From Leg	4.00 0.00 2.00	0.0000	127.00	1" Ice No Ice 1/2" Ice	1.65 1.81 1.98	1.16 1.30 1.45	0.07 0.09 0.11
(4) 2.4" Dia. x 14-ft	A	From Leg	4.00 0.00 0.00	0.0000	127.00	1" Ice No Ice 1/2" Ice	3.36 4.79 6.23	3.36 4.79 6.23	0.05 0.08 0.11
(4) 2.4" Dia. x 14-ft	B	From Leg	4.00 0.00 0.00	0.0000	127.00	1" Ice No Ice 1/2" Ice	3.36 4.79 6.23	3.36 4.79 6.23	0.05 0.08 0.11
(4) 2.4" Dia. x 14-ft	C	From Leg	4.00 0.00 0.00	0.0000	127.00	1" Ice No Ice 1/2" Ice	3.36 4.79 6.23	3.36 4.79 6.23	0.05 0.08 0.11
(2) L2.5x2.5x1/4 x 14-ft	A	From Leg	4.00 0.00 -7.00	0.0000	127.00	1" Ice No Ice 1/2" Ice	5.83 7.42 9.02	0.58 2.15 3.72	0.06 0.08 0.11
(2) L2.5x2.5x1/4 x 14-ft	B	From Leg	4.00 0.00 -7.00	0.0000	127.00	1" Ice No Ice 1/2" Ice	5.83 7.42 9.02	0.58 2.15 3.72	0.06 0.08 0.11
(2) L2.5x2.5x1/4 x 14-ft	C	From Leg	4.00 0.00 -7.00	0.0000	127.00	1" Ice No Ice 1/2" Ice	5.83 7.42 9.02	0.58 2.15 3.72	0.06 0.08 0.11
*****						1" Ice			
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	117.00	No Ice 1/2" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	117.00	1" Ice No Ice 1/2" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	117.00	1" Ice No Ice 1/2" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
(3) TA08025-B604	A	From Leg	4.00 0.00 0.00	0.0000	117.00	1" Ice No Ice 1/2" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
(3) TA08025-B605	A	From Leg	4.00 0.00 0.00	0.0000	117.00	1" Ice No Ice 1/2" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11
RDIDC-9181-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	117.00	1" Ice No Ice 1/2" Ice	2.01 2.19 2.37	1.17 1.31 1.46	0.02 0.04 0.06
(2) 8' x 2" Mount Pipe	A	From Leg	4.00	0.0000	117.00	1" Ice No Ice	1.90	1.90	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
(2) 8' x 2" Mount Pipe	B	From Leg	4.00	0.0000	117.00	1" Ice			
			0.00			No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
(2) 8' x 2" Mount Pipe	C	From Leg	4.00	0.0000	117.00	1" Ice			
			0.00			No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
Commscope MC-PK8-DSH	C	None		0.0000	117.00	1" Ice			
						No Ice	34.24	34.24	1.75
						1/2"	62.95	62.95	2.10
						Ice	91.66	91.66	2.45
						1" Ice			

LLPX310R w/ Mount Pipe	A	From Leg	2.00	0.0000	107.00	No Ice	3.88	2.36	0.06
			0.00			1/2"	4.29	2.73	0.09
			3.00			Ice	4.72	3.12	0.13
LLPX310R w/ Mount Pipe	B	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	3.88	2.36	0.06
			0.00			1/2"	4.29	2.73	0.09
			3.00			Ice	4.72	3.12	0.13
LLPX310R w/ Mount Pipe	C	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	3.88	2.36	0.06
			0.00			1/2"	4.29	2.73	0.09
			3.00			Ice	4.72	3.12	0.13
HORIZON COMPACT	A	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	0.72	0.37	0.01
			3.00			1/2"	0.83	0.45	0.02
						Ice	0.94	0.54	0.03
HORIZON COMPACT	C	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	0.72	0.37	0.01
			0.00			1/2"	0.83	0.45	0.02
			3.00			Ice	0.94	0.54	0.03
WIMAX DAP HEAD	A	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	1.55	0.68	0.03
			3.00			1/2"	1.70	0.80	0.04
						Ice	1.87	0.92	0.06
WIMAX DAP HEAD	B	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	1.55	0.68	0.03
			0.00			1/2"	1.70	0.80	0.04
			3.00			Ice	1.87	0.92	0.06
WIMAX DAP HEAD	C	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	1.55	0.68	0.03
			0.00			1/2"	1.70	0.80	0.04
			3.00			Ice	1.87	0.92	0.06
6' x 2" Mount Pipe	A	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
6' x 2" Mount Pipe	B	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
6' x 2" Mount Pipe	C	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
1.9" x 6' Stabilizer	A	From Leg	2.00	0.0000	107.00	1" Ice			
			0.00			No Ice	1.14	0.00	0.02
			0.00			1/2"	1.76	0.00	0.03
			0.00			Ice	2.14	0.00	0.04
1.9" x 6' Stabilizer	B	From Leg	2.00	0.0000	107.00	1" Ice			
						No Ice	1.14	0.00	0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			1/2"	1.76	0.00	0.03
			0.00			Ice	2.14	0.00	0.04
1.9" x 6' Stabilizer	C	From Leg	2.00	0.0000	107.00	1" Ice	1.14	0.00	0.02
			0.00			No Ice	1.76	0.00	0.03
			0.00			1/2"	2.14	0.00	0.04
			0.00			Ice			
Side Arm Mount [SO 101-3]	C	None		0.0000	107.00	1" Ice	5.81	5.81	0.25
						No Ice	6.95	6.95	0.34
						1/2"	8.28	8.28	0.46
						Ice			
						1" Ice			

APXV18-206517S-C w/ Mount Pipe	A	From Leg	1.00	0.0000	100.00	No Ice	3.79	3.16	0.05
			0.00			1/2"	4.38	3.75	0.09
			0.00			Ice	4.99	4.35	0.15
APXV18-206517S-C w/ Mount Pipe	B	From Leg	1.00	0.0000	100.00	1" Ice	3.79	3.16	0.05
			0.00			No Ice	4.38	3.75	0.09
			0.00			1/2"	4.99	4.35	0.15
			0.00			Ice			
APXV18-206517S-C w/ Mount Pipe	C	From Leg	1.00	0.0000	100.00	1" Ice	3.79	3.16	0.05
			0.00			No Ice	4.38	3.75	0.09
			0.00			1/2"	4.99	4.35	0.15
			0.00			Ice			
						1" Ice			

OG-860/1920/GPS-A	C	From Leg	3.00	0.0000	80.00	No Ice	0.31	0.37	0.00
			0.00			1/2"	0.40	0.46	0.01
			1.00			Ice	0.49	0.55	0.01
2' x 2" Pipe Mount	C	From Leg	3.00	0.0000	80.00	1" Ice	0.02	0.02	0.01
			0.00			No Ice	0.05	0.05	0.01
			0.00			1/2"	0.09	0.09	0.01
			0.00			Ice			
2' x 2" Pipe Mount	B	From Leg	3.00	0.0000	80.00	1" Ice	0.02	0.02	0.01
			0.00			No Ice	0.05	0.05	0.01
			0.00			1/2"	0.09	0.09	0.01
			0.00			Ice			
Side Arm Mount [SO 701-1]	B	From Leg	1.50	0.0000	80.00	1" Ice	0.85	1.67	0.07
			0.00			No Ice	1.14	2.34	0.08
			0.00			1/2"	1.43	3.01	0.09
						Ice			
Side Arm Mount [SO 701-1]	C	From Leg	1.50	0.0000	80.00	1" Ice	0.85	1.67	0.07
			0.00			No Ice	1.14	2.34	0.08
			0.00			1/2"	1.43	3.01	0.09
						Ice			
						1" Ice			

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft ²	Weight K
VHLP2-11	C	Paraboloid w/o Radome	From Leg	4.00	-77.0000		137.00	2.17	No Ice	3.72
				0.00					1/2" Ice	4.01
				0.00					1" Ice	4.30

VHLP2-11	A	Paraboloid w/o Radome	From Leg	2.00	-17.0000		107.00	2.17	No Ice	3.72
				0.00					1/2" Ice	4.01
				3.00					1" Ice	4.30

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft ²	Weight K
PX2F-52	C	Paraboloid w/Radome	From Leg	2.00 0.00 3.00	0.0000		107.00	2.09	No Ice 3.44 1/2" Ice 3.72 1" Ice 4.00	0.02 0.04 0.06

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160 - 155	Pole	Max Tension	14	0.00	0.00	0.00
			Max. Compression	26	-6.98	-0.59	-1.40
			Max. Mx	8	-2.87	-19.93	-0.59
			Max. My	14	-2.88	-0.35	-19.73
			Max. Vy	20	-5.48	19.51	-0.23
			Max. Vx	2	-5.35	0.01	18.66
			Max. Torque	6			-1.34
L2	155 - 150	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-7.62	-0.59	-1.43
			Max. Mx	8	-3.31	-48.39	-0.84
			Max. My	14	-3.32	-0.58	-47.54
			Max. Vy	20	-5.90	47.97	-0.01
			Max. Vx	2	-5.77	0.24	46.45
			Max. Torque	6			-1.34
L3	150 - 145	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-18.47	-0.59	-1.61
			Max. Mx	8	-8.55	-99.05	-1.23
			Max. My	14	-8.56	-0.81	-97.63
			Max. Vy	20	-12.66	98.63	0.07
			Max. Vx	2	-12.52	0.48	96.28
			Max. Torque	6			-1.34
L4	145 - 140	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-19.24	-0.59	-1.65
			Max. Mx	8	-9.12	-163.45	-1.49
			Max. My	14	-9.13	-1.04	-161.33
			Max. Vy	20	-13.10	163.04	0.31
			Max. Vx	2	-12.96	0.72	159.96
			Max. Torque	6			-1.19
L5	140 - 135	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.69	-0.10	-1.96
			Max. Mx	20	-13.51	240.87	0.81
			Max. My	14	-13.52	-1.13	-238.42
			Max. Vy	20	-17.97	240.87	0.81
			Max. Vx	2	-17.93	1.22	236.95
			Max. Torque	20			2.11
L6	135 - 130	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28.55	-0.10	-2.00
			Max. Mx	20	-14.20	331.78	1.79
			Max. My	14	-14.21	-1.39	-328.74
			Max. Vy	20	-18.41	331.78	1.79
			Max. Vx	2	-18.37	1.84	327.66
			Max. Torque	20			2.11
L7	130 - 121.33	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-38.05	0.45	-2.34
			Max. Mx	20	-19.70	410.36	2.36
			Max. My	14	-19.71	-1.22	-406.67
			Max. Vy	20	-23.24	410.36	2.36
			Max. Vx	2	-23.20	2.68	405.45
			Max. Torque	20			2.22
L8	121.33 - 121	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.85	0.45	-2.38
			Max. Mx	20	-21.14	527.87	3.33
			Max. My	14	-21.15	-1.46	-523.56
			Max. Vy	20	-23.77	527.87	3.33
			Max. Vx	2	-23.73	3.28	522.73
			Max. Torque	20			2.22
L9	121 - 116	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.98	0.44	1.68
			Max. Mx	20	-25.24	650.45	6.99
			Max. My	2	-25.23	3.88	648.05
			Max. Vy	20	-26.85	650.45	6.99
			Max. Vx	2	-27.00	3.88	648.05
			Max. Torque	20			2.22
L10	116 - 111	Pole	Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L11	111 - 106	Pole	Max. Compression	26	-47.28	0.40	1.67
			Max. Mx	20	-26.39	785.75	7.98
			Max. My	2	-26.37	4.46	784.08
			Max. Vy	20	-27.30	785.75	7.98
			Max. Vx	2	-27.44	4.46	784.08
			Max. Torque	4			1.11
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.21	0.61	1.85
			Max. Mx	20	-28.36	925.97	9.21
			Max. My	2	-28.33	5.06	925.32
L12	106 - 102.75	Pole	Max. Vy	8	28.76	-924.28	-2.66
			Max. Vx	2	-28.94	5.06	925.32
			Max. Torque	4			1.47
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.16	0.52	1.90
			Max. Mx	20	-29.18	1019.70	9.99
			Max. My	2	-29.15	5.35	1019.80
			Max. Vy	8	29.04	-1018.21	-3.36
			Max. Vx	2	-29.22	5.35	1019.80
			Max. Torque	4			1.47
L13	102.75 - 102.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.24	0.51	1.91
			Max. Mx	20	-29.25	1026.95	10.05
			Max. My	2	-29.23	5.37	1027.10
			Max. Vy	8	29.06	-1025.47	-3.42
			Max. Vx	2	-29.24	5.37	1027.10
			Max. Torque	4			1.47
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.20	0.38	2.01
			Max. Mx	20	-30.71	1173.78	11.25
L14	102.5 - 97.5	Pole	Max. My	2	-30.69	5.82	1175.10
			Max. Vy	8	29.79	-1172.62	-4.50
			Max. Vx	2	-29.97	5.82	1175.10
			Max. Torque	4			1.47
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.75	0.24	2.12
			Max. Mx	20	-32.05	1323.47	12.44
			Max. My	2	-32.03	6.26	1325.96
			Max. Vy	8	30.21	-1322.63	-5.59
			Max. Vx	2	-30.39	6.26	1325.96
L15	97.5 - 92.5	Pole	Max. Torque	4			1.47
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56.33	0.10	2.24
			Max. Mx	20	-33.43	1475.22	13.63
			Max. My	2	-33.41	6.70	1478.88
			Max. Vy	8	30.62	-1474.70	-6.67
			Max. Vx	2	-30.80	6.70	1478.88
			Max. Torque	4			1.47
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56.49	0.09	2.25
L16	92.5 - 87.5	Pole	Max. Mx	20	-33.58	1490.51	13.75
			Max. My	2	-33.56	6.74	1494.28
			Max. Vy	8	30.65	-1490.02	-6.77
			Max. Vx	2	-30.83	6.74	1494.28
			Max. Torque	4			1.46
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.26	-0.12	2.34
			Max. Mx	20	-36.75	1697.05	15.34
			Max. My	2	-36.73	7.32	1702.39
			Max. Vy	8	31.38	-1697.01	-8.21
L17	87.5 - 81.33	Pole	Max. Vx	2	-31.56	7.32	1702.39
			Max. Torque	4			1.46
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.26	-0.12	2.34
			Max. Mx	20	-36.75	1697.05	15.34
			Max. My	2	-36.73	7.32	1702.39
			Max. Vy	8	31.38	-1697.01	-8.21
			Max. Vx	2	-31.56	7.32	1702.39
			Max. Torque	4			1.46
			Max Tension	1	0.00	0.00	0.00
L18	81.33 - 80.33	Pole	Max. Compression	26	-60.26	-0.12	2.34
			Max. Mx	20	-36.75	1697.05	15.34
			Max. My	2	-36.73	7.32	1702.39
			Max. Vy	8	31.38	-1697.01	-8.21
			Max. Vx	2	-31.56	7.32	1702.39
			Max. Torque	4			1.46
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.26	-0.12	2.34
			Max. Mx	20	-36.75	1697.05	15.34
			Max. My	2	-36.73	7.32	1702.39
L19	80.33 - 75.33	Pole	Max. Vy	8	31.38	-1697.01	-8.21
			Max. Vx	2	-31.56	7.32	1702.39
			Max. Torque	4			1.46
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.26	-0.12	2.34
			Max. Mx	20	-36.75	1697.05	15.34
			Max. My	2	-36.73	7.32	1702.39
			Max. Vy	8	31.38	-1697.01	-8.21
			Max. Vx	2	-31.56	7.32	1702.39
			Max. Torque	4			1.46
L20	75.33 - 70.33	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.26	-0.12	2.34
			Max. Mx	20	-36.75	1697.05	15.34
			Max. My	2	-36.73	7.32	1702.39
			Max. Vy	8	31.38	-1697.01	-8.21
			Max. Vx	2	-31.56	7.32	1702.39
			Max. Torque	4			1.46
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.26	-0.12	2.34
			Max. Mx	20	-36.75	1697.05	15.34

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L20	75.33 - 70.33	Pole	Max. Compression	26	-62.41	-0.24	2.00
			Max. Mx	8	-38.63	-1855.39	-9.57
			Max. My	2	-38.61	7.76	1861.48
			Max. Vy	8	31.90	-1855.39	-9.57
			Max. Vx	2	-32.11	7.76	1861.48
			Max. Torque	4			1.46
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.45	-0.41	2.05
L21	70.33 - 67.75	Pole	Max. Mx	8	-40.37	-2015.92	-10.66
			Max. My	2	-40.36	8.19	2023.00
			Max. Vy	8	32.32	-2015.92	-10.66
			Max. Vx	2	-32.52	8.19	2023.00
			Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.52	-0.50	2.08
			Max. Mx	8	-41.29	-2099.57	-11.21
L22	67.75 - 67.5	Pole	Max. My	2	-41.27	8.41	2107.15
			Max. Vy	8	32.53	-2099.57	-11.21
			Max. Vx	2	-32.74	8.41	2107.15
			Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.65	-0.51	2.08
			Max. Mx	8	-41.42	-2107.71	-11.27
			Max. My	2	-41.40	8.43	2115.33
L23	67.5 - 62.5	Pole	Max. Vy	8	32.54	-2107.71	-11.27
			Max. Vx	2	-32.75	8.43	2115.33
			Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.24	-0.68	2.13
			Max. Mx	8	-43.67	-2271.64	-12.34
			Max. My	2	-43.65	8.85	2280.25
			Max. Vy	8	33.02	-2271.64	-12.34
L24	62.5 - 57.5	Pole	Max. Vx	2	-33.23	8.85	2280.25
			Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.87	-0.86	2.19
			Max. Mx	8	-45.97	-2437.90	-13.42
			Max. My	2	-45.95	9.27	2447.49
			Max. Vy	8	33.48	-2437.90	-13.42
			Max. Vx	2	-33.69	9.27	2447.49
L25	57.5 - 52.5	Pole	Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.54	-1.04	2.24
			Max. Mx	8	-48.30	-2606.44	-14.49
			Max. My	2	-48.29	9.69	2617.00
			Max. Vy	8	33.93	-2606.44	-14.49
			Max. Vx	2	-34.13	9.69	2617.00
			Max. Torque	4			1.41
L26	52.5 - 41.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-75.97	-1.20	2.29
			Max. Mx	8	-50.43	-2759.99	-15.45
			Max. My	2	-50.42	10.06	2771.43
			Max. Vy	8	34.31	-2759.99	-15.45
			Max. Vx	2	-34.52	10.06	2771.43
			Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
L27	41.42 - 40.42	Pole	Max. Compression	26	-83.24	-1.49	2.38
			Max. Mx	8	-56.81	-3023.34	-17.07
			Max. My	2	-56.80	10.68	3036.24
			Max. Vy	8	35.13	-3023.34	-17.07
			Max. Vx	2	-35.34	10.68	3036.24
			Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.24	-1.49	2.38
L28	40.42 - 35.42	Pole	Max. Mx	8	-56.81	-3023.34	-17.07
			Max. My	2	-56.80	10.68	3036.24
			Max. Vy	8	35.13	-3023.34	-17.07
			Max. Vx	2	-35.34	10.68	3036.24
			Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.24	-1.49	2.38
			Max. Mx	8	-56.81	-3023.34	-17.07

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L29	35.42 - 30.5	Pole	Max. Compression	26	-86.17	-1.67	2.43
			Max. Mx	8	-59.42	-3199.99	-18.14
			Max. My	2	-59.41	11.08	3213.87
			Max. Vy	8	35.52	-3199.99	-18.14
			Max. Vx	2	-35.73	11.08	3213.87
			Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
L30	30.5 - 30.25	Pole	Max. Compression	26	-89.09	-1.86	2.49
			Max. Mx	8	-62.02	-3375.66	-19.18
			Max. My	2	-62.02	11.48	3390.49
			Max. Vy	8	35.89	-3375.66	-19.18
			Max. Vx	2	-36.09	11.48	3390.49
			Max. Torque	4			1.41
			Max Tension	1	0.00	0.00	0.00
L31	30.25 - 26.75	Pole	Max. Compression	26	-89.23	-1.86	2.49
			Max. Mx	8	-62.17	-3384.63	-19.24
			Max. My	2	-62.16	11.50	3399.51
			Max. Vy	8	35.89	-3384.63	-19.24
			Max. Vx	2	-36.10	11.50	3399.51
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
L32	26.75 - 26.5	Pole	Max. Compression	26	-91.33	-1.96	2.55
			Max. Mx	8	-63.99	-3510.72	-19.98
			Max. My	2	-63.99	11.78	3526.27
			Max. Vy	8	36.15	-3510.72	-19.98
			Max. Vx	2	-36.36	11.78	3526.27
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
L33	26.5 - 26.25	Pole	Max. Compression	26	-91.47	-1.97	2.56
			Max. Mx	8	-64.13	-3519.76	-20.03
			Max. My	2	-64.13	11.80	3535.36
			Max. Vy	8	36.15	-3519.76	-20.03
			Max. Vx	2	-36.36	11.80	3535.36
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
L34	26.25 - 26	Pole	Max. Compression	26	-91.62	-1.97	2.56
			Max. Mx	8	-64.26	-3528.80	-20.08
			Max. My	2	-64.26	11.82	3544.45
			Max. Vy	8	36.17	-3528.80	-20.08
			Max. Vx	2	-36.38	11.82	3544.45
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
L35	26 - 21	Pole	Max. Compression	26	-91.75	-1.98	2.57
			Max. Mx	8	-64.37	-3537.85	-20.14
			Max. My	2	-64.37	11.84	3553.55
			Max. Vy	8	36.18	-3537.85	-20.14
			Max. Vx	2	-36.39	11.84	3553.55
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
L36	21 - 16	Pole	Max. Compression	26	-94.33	-2.14	2.62
			Max. Mx	8	-66.63	-3719.54	-21.19
			Max. My	2	-66.62	12.23	3736.19
			Max. Vy	8	36.49	-3719.54	-21.19
			Max. Vx	2	-36.69	12.23	3736.19
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
L37	16 - 11	Pole	Max. Compression	26	-96.92	-2.31	2.65
			Max. Mx	8	-68.93	-3902.67	-22.24
			Max. My	2	-68.93	12.61	3920.27
			Max. Vy	8	36.77	-3902.67	-22.24
			Max. Vx	2	-36.98	12.61	3920.27
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-99.55	-2.49	2.68

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L38	11 - 6	Pole	Max. Mx	8	-71.27	-4087.23	-23.28
			Max. My	2	-71.27	12.99	4105.78
			Max. Vy	8	37.06	-4087.23	-23.28
			Max. Vx	2	-37.26	12.99	4105.78
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-102.13	-2.63	2.69
			Max. Mx	8	-73.60	-4273.20	-24.32
			Max. My	2	-73.59	13.39	4292.70
			Max. Vy	8	37.34	-4273.20	-24.32
L39	6 - 1	Pole	Max. Vx	2	-37.55	13.39	4292.70
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-104.41	-2.61	2.61
			Max. Mx	8	-75.68	-4460.51	-25.41
			Max. My	2	-75.68	13.87	4480.98
			Max. Vy	8	37.63	-4460.51	-25.41
			Max. Vx	2	-37.83	13.87	4480.98
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
L40	1 - 0.5	Pole	Max. Compression	26	-104.64	-2.61	2.60
			Max. Mx	8	-75.89	-4479.31	-25.52
			Max. My	2	-75.89	13.92	4499.89
			Max. Vy	8	37.65	-4479.31	-25.52
			Max. Vx	2	-37.85	13.92	4499.89
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-104.79	-2.61	2.60
			Max. Mx	8	-76.04	-4488.73	-25.57
			Max. My	2	-76.04	13.94	4509.35
L41	0.5 - 0.25	Pole	Max. Vy	8	37.66	-4488.73	-25.57
			Max. Vx	2	-37.86	13.94	4509.35
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-104.94	-2.61	2.60
			Max. Mx	8	-76.19	-4498.14	-25.63
			Max. My	2	-76.19	13.97	4518.81
			Max. Vy	8	37.67	-4498.14	-25.63
			Max. Vx	2	-37.87	13.97	4518.81
			Max. Torque	4			1.40
L42	0.25 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-104.94	-2.61	2.60
			Max. Mx	8	-76.19	-4498.14	-25.63
			Max. My	2	-76.19	13.97	4518.81
			Max. Vy	8	37.67	-4498.14	-25.63
			Max. Vx	2	-37.87	13.97	4518.81
			Max. Torque	4			1.40
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-104.94	-2.61	2.60
			Max. Mx	8	-76.19	-4498.14	-25.63

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	104.94	0.00	0.00
	Max. H _x	20	76.19	37.64	0.22
	Max. H _z	2	76.19	0.10	37.87
	Max. M _x	2	4518.81	0.10	37.87
	Max. M _z	8	4498.14	-37.67	-0.21
	Max. Torsion	4	1.40	-18.70	32.82
	Min. Vert	3	57.14	0.10	37.87
	Min. H _x	8	76.19	-37.67	-0.21
	Min. H _z	14	76.19	-0.11	-37.83
	Min. M _x	14	-4507.87	-0.11	-37.83
	Min. M _z	20	-4492.68	37.64	0.22
	Min. Torsion	13	-0.74	-18.88	-32.81

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturing Moment, M _x kip-ft	Overturing Moment, M _z kip-ft	Torque kip-ft
Dead Only	63.49	0.00	0.00	-1.71	-1.12	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	76.19	-0.10	-37.87	-4518.81	13.97	-1.29
0.9 Dead+1.0 Wind 0 deg - No Ice	57.14	-0.10	-37.87	-4458.57	14.09	-1.28
1.2 Dead+1.0 Wind 30 deg - No Ice	76.19	18.70	-32.82	-3917.01	-2229.31	-1.40
0.9 Dead+1.0 Wind 30 deg - No Ice	57.14	18.70	-32.82	-3864.72	-2199.51	-1.38
1.2 Dead+1.0 Wind 60 deg - No Ice	76.19	32.50	-18.97	-2263.55	-3879.23	-0.64
0.9 Dead+1.0 Wind 60 deg - No Ice	57.14	32.50	-18.97	-2233.11	-3827.59	-0.60
1.2 Dead+1.0 Wind 90 deg - No Ice	76.19	37.67	0.21	25.63	-4498.14	0.28
0.9 Dead+1.0 Wind 90 deg - No Ice	57.14	37.67	0.21	25.85	-4438.31	0.32
1.2 Dead+1.0 Wind 120 deg - No Ice	76.19	32.62	19.05	2269.58	-3897.39	0.53
0.9 Dead+1.0 Wind 120 deg - No Ice	57.14	32.62	19.05	2240.18	-3845.49	0.56
1.2 Dead+1.0 Wind 150 deg - No Ice	76.19	18.88	32.81	3910.04	-2257.89	0.73
0.9 Dead+1.0 Wind 150 deg - No Ice	57.14	18.88	32.81	3858.96	-2227.67	0.74
1.2 Dead+1.0 Wind 180 deg - No Ice	76.19	0.11	37.83	4507.87	-16.30	0.48
0.9 Dead+1.0 Wind 180 deg - No Ice	57.14	0.11	37.83	4448.91	-15.75	0.47
1.2 Dead+1.0 Wind 210 deg - No Ice	76.19	-18.69	32.78	3904.04	2228.28	0.10
0.9 Dead+1.0 Wind 210 deg - No Ice	57.14	-18.69	32.78	3853.07	2199.13	0.07
1.2 Dead+1.0 Wind 240 deg - No Ice	76.19	-32.48	18.95	2255.25	3875.10	0.19
0.9 Dead+1.0 Wind 240 deg - No Ice	57.14	-32.48	18.95	2226.05	3824.17	0.15
1.2 Dead+1.0 Wind 270 deg - No Ice	76.19	-37.64	-0.22	-33.81	4492.68	-0.85
0.9 Dead+1.0 Wind 270 deg - No Ice	57.14	-37.64	-0.22	-32.78	4433.58	-0.89
1.2 Dead+1.0 Wind 300 deg - No Ice	76.19	-32.58	-19.06	-2279.99	3889.90	-1.06
0.9 Dead+1.0 Wind 300 deg - No Ice	57.14	-32.58	-19.06	-2249.29	3838.77	-1.09
1.2 Dead+1.0 Wind 330 deg - No Ice	76.19	-18.85	-32.83	-3919.84	2251.56	-1.07
0.9 Dead+1.0 Wind 330 deg - No Ice	57.14	-18.85	-32.83	-3867.50	2222.09	-1.08
1.2 Dead+1.0 Ice+1.0 Temp	104.94	0.00	0.00	-2.60	-2.61	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	104.94	-0.02	-9.05	-1115.12	0.40	-0.28
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	104.94	4.47	-7.85	-966.86	-551.73	-0.28
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	104.94	7.77	-4.53	-559.73	-957.52	-0.10
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	104.94	9.00	0.04	2.84	-1109.17	0.11
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	104.94	7.79	4.55	555.92	-961.27	0.16
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	104.94	4.51	7.84	960.38	-557.60	0.19
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	104.94	0.02	9.04	1107.90	-5.78	0.11
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	104.94	-4.47	7.84	959.19	546.62	0.00

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	104.94	-7.77	4.53	553.07	951.74	0.00
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	104.94	-8.99	-0.04	-9.47	1103.12	-0.22
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	104.94	-7.79	-4.55	-563.05	954.77	-0.26
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	104.94	-4.50	-7.85	-967.36	551.35	-0.25
Dead+Wind 0 deg - Service	63.49	-0.02	-9.07	-1075.37	2.50	-0.31
Dead+Wind 30 deg - Service	63.49	4.48	-7.86	-932.32	-530.70	-0.33
Dead+Wind 60 deg - Service	63.49	7.78	-4.54	-539.31	-922.85	-0.15
Dead+Wind 90 deg - Service	63.49	9.02	0.05	4.79	-1069.96	0.08
Dead+Wind 120 deg - Service	63.49	7.81	4.56	538.16	-927.18	0.14
Dead+Wind 150 deg - Service	63.49	4.52	7.86	928.08	-537.49	0.18
Dead+Wind 180 deg - Service	63.49	0.03	9.06	1070.17	-4.69	0.11
Dead+Wind 210 deg - Service	63.49	-4.48	7.85	926.64	528.81	0.01
Dead+Wind 240 deg - Service	63.49	-7.78	4.54	534.75	920.23	0.03
Dead+Wind 270 deg - Service	63.49	-9.01	-0.05	-9.32	1067.03	-0.22
Dead+Wind 300 deg - Service	63.49	-7.80	-4.56	-543.22	923.76	-0.26
Dead+Wind 330 deg - Service	63.49	-4.51	-7.86	-933.00	534.35	-0.26

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-63.49	0.00	0.00	63.49	0.00	0.000%
2	-0.10	-76.19	-37.87	0.10	76.19	37.87	0.000%
3	-0.10	-57.14	-37.87	0.10	57.14	37.87	0.000%
4	18.70	-76.19	-32.82	-18.70	76.19	32.82	0.000%
5	18.70	-57.14	-32.82	-18.70	57.14	32.82	0.000%
6	32.50	-76.19	-18.97	-32.50	76.19	18.97	0.000%
7	32.50	-57.14	-18.97	-32.50	57.14	18.97	0.000%
8	37.67	-76.19	0.21	-37.67	76.19	-0.21	0.000%
9	37.67	-57.14	0.21	-37.67	57.14	-0.21	0.000%
10	32.62	-76.19	19.05	-32.62	76.19	-19.05	0.000%
11	32.62	-57.14	19.05	-32.62	57.14	-19.05	0.000%
12	18.88	-76.19	32.81	-18.88	76.19	-32.81	0.000%
13	18.88	-57.14	32.81	-18.88	57.14	-32.81	0.000%
14	0.11	-76.19	37.83	-0.11	76.19	-37.83	0.000%
15	0.11	-57.14	37.83	-0.11	57.14	-37.83	0.000%
16	-18.69	-76.19	32.78	18.69	76.19	-32.78	0.000%
17	-18.69	-57.14	32.78	18.69	57.14	-32.78	0.000%
18	-32.48	-76.19	18.95	32.48	76.19	-18.95	0.000%
19	-32.48	-57.14	18.95	32.48	57.14	-18.95	0.000%
20	-37.64	-76.19	-0.22	37.64	76.19	0.22	0.000%
21	-37.64	-57.14	-0.22	37.64	57.14	0.22	0.000%
22	-32.58	-76.19	-19.06	32.58	76.19	19.06	0.000%
23	-32.58	-57.14	-19.06	32.58	57.14	19.06	0.000%
24	-18.85	-76.19	-32.83	18.85	76.19	32.83	0.000%
25	-18.85	-57.14	-32.83	18.85	57.14	32.83	0.000%
26	0.00	-104.94	0.00	0.00	104.94	0.00	0.000%
27	-0.02	-104.94	-9.05	0.02	104.94	9.05	0.000%
28	4.47	-104.94	-7.85	-4.47	104.94	7.85	0.000%
29	7.77	-104.94	-4.53	-7.77	104.94	4.53	0.000%
30	9.00	-104.94	0.04	-9.00	104.94	-0.04	0.000%
31	7.79	-104.94	4.55	-7.79	104.94	-4.55	0.000%
32	4.51	-104.94	7.84	-4.51	104.94	-7.84	0.000%

Load Comb.	Sum of Applied Forces			PX K	Sum of Reactions		% Error
	PX K	PY K	PZ K		PY K	PZ K	
33	0.02	-104.94	9.04	-0.02	104.94	-9.04	0.000%
34	-4.47	-104.94	7.84	4.47	104.94	-7.84	0.000%
35	-7.77	-104.94	4.53	7.77	104.94	-4.53	0.000%
36	-8.99	-104.94	-0.04	8.99	104.94	0.04	0.000%
37	-7.79	-104.94	-4.55	7.79	104.94	4.55	0.000%
38	-4.50	-104.94	-7.85	4.50	104.94	7.85	0.000%
39	-0.02	-63.49	-9.07	0.02	63.49	9.07	0.000%
40	4.48	-63.49	-7.86	-4.48	63.49	7.86	0.000%
41	7.78	-63.49	-4.54	-7.78	63.49	4.54	0.000%
42	9.02	-63.49	0.05	-9.02	63.49	-0.05	0.000%
43	7.81	-63.49	4.56	-7.81	63.49	-4.56	0.000%
44	4.52	-63.49	7.86	-4.52	63.49	-7.86	0.000%
45	0.03	-63.49	9.06	-0.03	63.49	-9.06	0.000%
46	-4.48	-63.49	7.85	4.48	63.49	-7.85	0.000%
47	-7.78	-63.49	4.54	7.78	63.49	-4.54	0.000%
48	-9.01	-63.49	-0.05	9.01	63.49	0.05	0.000%
49	-7.80	-63.49	-4.56	7.80	63.49	4.56	0.000%
50	-4.51	-63.49	-7.86	4.51	63.49	7.86	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	0.00061866
3	Yes	5	0.00000001	0.00028494
4	Yes	6	0.00000001	0.00084687
5	Yes	6	0.00000001	0.00028617
6	Yes	6	0.00000001	0.00087207
7	Yes	6	0.00000001	0.00029530
8	Yes	5	0.00000001	0.00043281
9	Yes	5	0.00000001	0.00019125
10	Yes	6	0.00000001	0.00087698
11	Yes	6	0.00000001	0.00029697
12	Yes	6	0.00000001	0.00086158
13	Yes	6	0.00000001	0.00029103
14	Yes	5	0.00000001	0.00031613
15	Yes	5	0.00000001	0.00011739
16	Yes	6	0.00000001	0.00085723
17	Yes	6	0.00000001	0.00029043
18	Yes	6	0.00000001	0.00085869
19	Yes	6	0.00000001	0.00029114
20	Yes	5	0.00000001	0.00032839
21	Yes	5	0.00000001	0.00012474
22	Yes	6	0.00000001	0.00086531
23	Yes	6	0.00000001	0.00029177
24	Yes	6	0.00000001	0.00088383
25	Yes	6	0.00000001	0.00029911
26	Yes	4	0.00000001	0.00000001
27	Yes	6	0.00000001	0.00054638
28	Yes	6	0.00000001	0.00060729
29	Yes	6	0.00000001	0.00060730
30	Yes	6	0.00000001	0.00054310
31	Yes	6	0.00000001	0.00060696
32	Yes	6	0.00000001	0.00060611
33	Yes	6	0.00000001	0.00054179
34	Yes	6	0.00000001	0.00060191
35	Yes	6	0.00000001	0.00060158
36	Yes	6	0.00000001	0.00054182
37	Yes	6	0.00000001	0.00060857
38	Yes	6	0.00000001	0.00061061
39	Yes	5	0.00000001	0.00006413
40	Yes	5	0.00000001	0.00022334
41	Yes	5	0.00000001	0.00023786
42	Yes	5	0.00000001	0.00006006
43	Yes	5	0.00000001	0.00023786
44	Yes	5	0.00000001	0.00022846
45	Yes	5	0.00000001	0.00005962
46	Yes	5	0.00000001	0.00022929
47	Yes	5	0.00000001	0.00022892
48	Yes	5	0.00000001	0.00006071
49	Yes	5	0.00000001	0.00023002
50	Yes	5	0.00000001	0.00024413

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	24.376	50	1.3720	0.0028
L2	155 - 150	22.940	50	1.3702	0.0025
L3	150 - 145	21.509	50	1.3615	0.0021
L4	145 - 140	20.091	50	1.3460	0.0017
L5	140 - 135	18.695	50	1.3195	0.0014
L6	135 - 130	17.331	50	1.2836	0.0012
L7	130 - 121.33	16.010	50	1.2374	0.0009
L8	126 - 121	14.992	50	1.1942	0.0008

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L9	121 - 116	13.754	50	1.1671	0.0007
L10	116 - 111	12.558	50	1.1171	0.0006
L11	111 - 106	11.417	50	1.0616	0.0005
L12	106 - 102.75	10.336	50	1.0018	0.0005
L13	102.75 - 102.5	9.668	50	0.9610	0.0004
L14	102.5 - 97.5	9.618	50	0.9578	0.0004
L15	97.5 - 92.5	8.649	50	0.8926	0.0004
L16	92.5 - 87.5	7.749	50	0.8252	0.0003
L17	87.5 - 81.33	6.921	50	0.7561	0.0003
L18	87 - 80.33	6.843	50	0.7491	0.0003
L19	80.33 - 75.33	5.826	50	0.7021	0.0002
L20	75.33 - 70.33	5.120	50	0.6449	0.0002
L21	70.33 - 67.75	4.475	50	0.5876	0.0002
L22	67.75 - 67.5	4.166	50	0.5580	0.0002
L23	67.5 - 62.5	4.136	50	0.5560	0.0002
L24	62.5 - 57.5	3.576	50	0.5152	0.0002
L25	57.5 - 52.5	3.058	39	0.4740	0.0001
L26	52.5 - 41.42	2.583	39	0.4331	0.0001
L27	48 - 40.42	2.192	39	0.3966	0.0001
L28	40.42 - 35.42	1.586	39	0.3626	0.0001
L29	35.42 - 30.5	1.227	39	0.3231	0.0001
L30	30.5 - 30.25	0.914	39	0.2848	0.0001
L31	30.25 - 26.75	0.899	39	0.2829	0.0001
L32	26.75 - 26.5	0.702	39	0.2556	0.0001
L33	26.5 - 26.25	0.689	39	0.2532	0.0001
L34	26.25 - 26	0.676	39	0.2509	0.0001
L35	26 - 21	0.663	39	0.2484	0.0001
L36	21 - 16	0.429	39	0.1986	0.0000
L37	16 - 11	0.246	39	0.1497	0.0000
L38	11 - 6	0.115	39	0.1016	0.0000
L39	6 - 1	0.033	39	0.0543	0.0000
L40	1 - 0.5	0.001	39	0.0078	0.0000
L41	0.5 - 0.25	0.000	39	0.0000	0.0000
L42	0.25 - 0	0.000	1	0.0000	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
158.00	(2) HBXX-6516DS-A2M w/ Mount Pipe	50	23.801	1.3718	0.0035	47141
147.00	800 10121 w/ Mount Pipe	50	20.656	1.3533	0.0026	15818
137.00	VHLP2-11	50	17.872	1.2989	0.0020	7601
127.00	ERICSSON AIR 21 B4A B2P	50	15.244	1.2034	0.0013	6706
117.00	MX08FRO665-21 w/ Mount Pipe	50	12.793	1.1284	0.0011	5672
110.00	VHLP2-11	50	11.196	1.0500	0.0010	4911
107.00	LLPX310R w/ Mount Pipe	50	10.547	1.0141	0.0009	4717
100.00	APXV18-206517S-C w/ Mount Pipe	50	9.125	0.9256	0.0008	4396
80.00	OG-860/1920/GPS-A	50	5.777	0.6993	0.0004	5794

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	102.419	24	5.7823	0.0116
L2	155 - 150	96.386	24	5.7738	0.0104
L3	150 - 145	90.377	24	5.7360	0.0085
L4	145 - 140	84.420	24	5.6682	0.0072
L5	140 - 135	78.557	24	5.5547	0.0063

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L6	135 - 130	72.832	24	5.4022	0.0053
L7	130 - 121.33	67.287	24	5.2066	0.0043
L8	126 - 121	63.011	24	5.0237	0.0035
L9	121 - 116	57.816	24	4.9089	0.0031
L10	116 - 111	52.795	24	4.6981	0.0025
L11	111 - 106	48.004	24	4.4653	0.0023
L12	106 - 102.75	43.465	24	4.2145	0.0020
L13	102.75 - 102.5	40.659	24	4.0433	0.0018
L14	102.5 - 97.5	40.448	24	4.0300	0.0018
L15	97.5 - 92.5	36.376	24	3.7560	0.0016
L16	92.5 - 87.5	32.595	24	3.4725	0.0014
L17	87.5 - 81.33	29.113	24	3.1820	0.0012
L18	87 - 80.33	28.782	24	3.1527	0.0012
L19	80.33 - 75.33	24.505	24	2.9549	0.0010
L20	75.33 - 70.33	21.539	24	2.7141	0.0009
L21	70.33 - 67.75	18.824	24	2.4727	0.0008
L22	67.75 - 67.5	17.522	24	2.3482	0.0007
L23	67.5 - 62.5	17.400	24	2.3398	0.0007
L24	62.5 - 57.5	15.041	24	2.1681	0.0006
L25	57.5 - 52.5	12.862	24	1.9946	0.0006
L26	52.5 - 41.42	10.864	24	1.8223	0.0005
L27	48 - 40.42	9.220	24	1.6687	0.0004
L28	40.42 - 35.42	6.673	24	1.5255	0.0004
L29	35.42 - 30.5	5.163	24	1.3593	0.0003
L30	30.5 - 30.25	3.845	24	1.1982	0.0003
L31	30.25 - 26.75	3.783	24	1.1900	0.0003
L32	26.75 - 26.5	2.953	24	1.0751	0.0003
L33	26.5 - 26.25	2.897	24	1.0652	0.0003
L34	26.25 - 26	2.841	24	1.0553	0.0003
L35	26 - 21	2.786	24	1.0448	0.0002
L36	21 - 16	1.802	24	0.8354	0.0002
L37	16 - 11	1.035	24	0.6295	0.0001
L38	11 - 6	0.482	24	0.4271	0.0001
L39	6 - 1	0.140	24	0.2282	0.0000
L40	1 - 0.5	0.003	24	0.0328	0.0000
L41	0.5 - 0.25	0.001	24	0.0135	0.0000
L42	0.25 - 0	0.000	24	0.0068	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
158.00	(2) HBXX-6516DS-A2M w/ Mount Pipe	24	100.005	5.7810	0.0144	12154
147.00	800 10121 w/ Mount Pipe	24	86.794	5.7000	0.0107	3909
137.00	VHLP2-11	24	75.103	5.4672	0.0081	1852
127.00	ERICSSON AIR 21 B4A B2P	24	64.068	5.0625	0.0053	1620
117.00	MX08FRO665-21 w/ Mount Pipe	24	53.782	4.7459	0.0049	1369
110.00	VHLP2-11	24	47.076	4.4170	0.0042	1185
107.00	LLPX310R w/ Mount Pipe	24	44.352	4.2662	0.0039	1137
100.00	APXV18-206517S-C w/ Mount Pipe	24	38.376	3.8945	0.0032	1057
80.00	OG-860/1920/GPS-A	24	24.302	2.9432	0.0019	1385

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160 - 155 (1)	TP22.6999x21.65x0.25	5.00	0.00	0.0	18.072 2	-2.87	1057.22	0.003
L2	155 - 150 (2)	TP23.7498x22.6999x0.25	5.00	0.00	0.0	18.917 4	-3.30	1106.67	0.003
L3	150 - 145 (3)	TP24.7997x23.7498x0.25	5.00	0.00	0.0	19.762 5	-8.54	1156.11	0.007
L4	145 - 140 (4)	TP25.8496x24.7997x0.25	5.00	0.00	0.0	20.607 7	-9.12	1205.55	0.008
L5	140 - 135 (5)	TP26.8995x25.8496x0.25	5.00	0.00	0.0	21.452 9	-13.51	1254.99	0.011
L6	135 - 130 (6)	TP27.9495x26.8995x0.25	5.00	0.00	0.0	22.298 1	-14.20	1304.44	0.011
L7	130 - 121.33 (7)	TP29.77x27.9495x0.25	8.67	0.00	0.0	22.974 2	-19.68	1343.99	0.015
L8	121.33 - 121 (8)	TP29.3394x28.2894x0.37 5	5.00	0.00	0.0	34.974 5	-21.12	2046.01	0.010
L9	121 - 116 (9)	TP30.3894x29.3394x0.37 5	5.00	0.00	0.0	36.242 3	-25.23	2120.18	0.012
L10	116 - 111 (10)	TP31.4394x30.3894x0.37 5	5.00	0.00	0.0	37.510 2	-26.37	2194.35	0.012
L11	111 - 106 (11)	TP32.4893x31.4394x0.37 5	5.00	0.00	0.0	38.778 1	-28.34	2268.52	0.012
L12	106 - 102.75 (12)	TP33.1718x32.4893x0.37 5	3.25	0.00	0.0	39.602 2	-29.16	2316.73	0.013
L13	102.75 - 102.5 (13)	TP33.2243x33.1718x0.37 5	0.25	0.00	0.0	39.665 6	-29.24	2320.44	0.013
L14	102.5 - 97.5 (14)	TP34.2743x33.2243x0.37 5	5.00	0.00	0.0	40.933 4	-30.69	2394.61	0.013
L15	97.5 - 92.5 (15)	TP35.3243x34.2743x0.37 5	5.00	0.00	0.0	42.201 3	-32.03	2468.78	0.013
L16	92.5 - 87.5 (16)	TP36.3743x35.3243x0.37 5	5.00	0.00	0.0	43.469 2	-33.41	2542.95	0.013
L17	87.5 - 81.33 (17)	TP37.67x36.3743x0.375	6.17	0.00	0.0	43.596 0	-33.56	2550.36	0.013
L18	81.33 - 80.33 (18)	TP37.1298x35.7293x0.5	6.67	0.00	0.0	58.974 1	-36.73	3449.98	0.011
L19	80.33 - 75.33 (19)	TP38.1797x37.1298x0.5	5.00	0.00	0.0	60.664 4	-38.61	3548.87	0.011
L20	75.33 - 70.33 (20)	TP39.2296x38.1797x0.5	5.00	0.00	0.0	62.354 7	-40.36	3647.75	0.011
L21	70.33 - 67.75 (21)	TP39.7713x39.2296x0.5	2.58	0.00	0.0	63.226 9	-41.27	3698.77	0.011
L22	67.75 - 67.5 (22)	TP39.8238x39.7713x0.72 5	0.25	0.00	0.0	91.276 2	-41.40	5339.66	0.008
L23	67.5 - 62.5 (23)	TP40.8737x39.8238x0.71 25	5.00	0.00	0.0	92.139 9	-43.65	5390.18	0.008
L24	62.5 - 57.5 (24)	TP41.9236x40.8737x0.7	5.00	0.00	0.0	92.918 0	-45.95	5435.70	0.008
L25	57.5 - 52.5 (25)	TP42.9735x41.9236x0.7	5.00	0.00	0.0	95.284 4	-48.29	5574.14	0.009
L26	52.5 - 41.42 (26)	TP45.3x42.9735x0.7	11.08	0.00	0.0	97.414 2	-50.42	5698.73	0.009
L27	41.42 - 40.42 (27)	TP44.5104x42.9184x0.76 25	7.58	0.00	0.0	107.41 20	-56.80	6283.61	0.009
L28	40.42 - 35.42 (28)	TP45.5606x44.5104x0.75	5.00	0.00	0.0	108.21 80	-59.41	6330.73	0.009
L29	35.42 - 30.5 (29)	TP46.594x45.5606x0.75	4.92	0.00	0.0	110.71 30	-62.02	6476.72	0.010
L30	30.5 - 30.25 (30)	TP46.6465x46.594x0.737 5	0.25	0.00	0.0	109.02 20	-62.16	6377.81	0.010
L31	30.25 - 26.75 (31)	TP47.3816x46.6465x0.73 75	3.50	0.00	0.0	110.76 80	-63.99	6479.93	0.010
L32	26.75 - 26.5 (32)	TP47.4341x47.3816x0.6	0.25	0.00	0.0	90.483 5	-64.13	5293.28	0.012
L33	26.5 - 26.25 (33)	TP47.4866x47.4341x0.6	0.25	0.00	0.0	90.584 9	-64.26	5299.22	0.012

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L34	26.25 - 26 (34)	TP47.5391x47.4866x0.56 25	0.25	0.00	0.0	85.086 4	-64.37	4977.55	0.013
L35	26 - 21 (35)	TP48.5893x47.5391x0.56 25	5.00	0.00	0.0	86.988 5	-66.62	5088.83	0.013
L36	21 - 16 (36)	TP49.6395x48.5893x0.56 25	5.00	0.00	0.0	88.890 6	-68.93	5200.10	0.013
L37	16 - 11 (37)	TP50.6896x49.6395x0.56 25	5.00	0.00	0.0	90.792 8	-71.27	5311.38	0.013
L38	11 - 6 (38)	TP51.7398x50.6896x0.56 25	5.00	0.00	0.0	92.694 9	-73.59	5422.65	0.014
L39	6 - 1 (39)	TP52.79x51.7398x0.5625	5.00	0.00	0.0	94.597 0	-75.68	5533.92	0.014
L40	1 - 0.5 (40)	TP52.895x52.79x0.5625	0.50	0.00	0.0	94.787 2	-75.89	5545.05	0.014
L41	0.5 - 0.25 (41)	TP52.9475x52.895x0.812 5	0.25	0.00	0.0	136.39 80	-76.04	7979.29	0.010
L42	0.25 - 0 (42)	TP53x52.9475x0.8125	0.25	0.00	0.0	136.53 60	-76.19	7987.33	0.010

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160 - 155 (1)	TP22.6999x21.65x0.25	20.19	590.53	0.034	0.00	590.53	0.000
L2	155 - 150 (2)	TP23.7498x22.6999x0.25	48.68	637.40	0.076	0.00	637.40	0.000
L3	150 - 145 (3)	TP24.7997x23.7498x0.25	99.44	685.04	0.145	0.00	685.04	0.000
L4	145 - 140 (4)	TP25.8496x24.7997x0.25	163.87	733.34	0.223	0.00	733.34	0.000
L5	140 - 135 (5)	TP26.8995x25.8496x0.25	241.38	782.18	0.309	0.00	782.18	0.000
L6	135 - 130 (6)	TP27.9495x26.8995x0.25	332.29	831.44	0.400	0.00	831.44	0.000
L7	130 - 121.33 (7)	TP29.77x27.9495x0.25	410.65	871.07	0.471	0.00	871.07	0.000
L8	121.33 - 121 (8)	TP29.3394x28.2894x0.37 5	528.48	1513.67	0.349	0.00	1513.67	0.000
L9	121 - 116 (9)	TP30.3894x29.3394x0.37 5	652.83	1626.13	0.401	0.00	1626.13	0.000
L10	116 - 111 (10)	TP31.4394x30.3894x0.37 5	788.70	1737.74	0.454	0.00	1737.74	0.000
L11	111 - 106 (11)	TP32.4893x31.4394x0.37 5	929.52	1839.31	0.505	0.00	1839.31	0.000
L12	106 - 102.75 (12)	TP33.1718x32.4893x0.37 5	1023.63	1906.15	0.537	0.00	1906.15	0.000
L13	102.75 - 102.5 (13)	TP33.2243x33.1718x0.37 5	1030.91	1911.32	0.539	0.00	1911.32	0.000
L14	102.5 - 97.5 (14)	TP34.2743x33.2243x0.37 5	1178.42	2015.41	0.585	0.00	2015.41	0.000
L15	97.5 - 92.5 (15)	TP35.3243x34.2743x0.37 5	1329.22	2120.82	0.627	0.00	2120.82	0.000
L16	92.5 - 87.5 (16)	TP36.3743x35.3243x0.37 5	1482.09	2227.45	0.665	0.00	2227.45	0.000
L17	87.5 - 81.33 (17)	TP37.67x36.3743x0.375	1497.49	2238.17	0.669	0.00	2238.17	0.000
L18	81.33 - 80.33 (18)	TP37.1298x35.7293x0.5	1705.53	3225.59	0.529	0.00	3225.59	0.000
L19	80.33 - 75.33 (19)	TP38.1797x37.1298x0.5	1864.58	3414.43	0.546	0.00	3414.43	0.000
L20	75.33 - 70.33 (20)	TP39.2296x38.1797x0.5	2026.01	3608.63	0.561	0.00	3608.63	0.000
L21	70.33 - 67.75 (21)	TP39.7713x39.2296x0.5	2110.11	3710.94	0.569	0.00	3710.94	0.000
L22	67.75 - 67.5 (22)	TP39.8238x39.7713x0.72 5	2118.29	5303.27	0.399	0.00	5303.27	0.000
L23	67.5 - 62.5 (23)	TP40.8737x39.8238x0.71 25	2283.11	5503.24	0.415	0.00	5503.24	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L24	62.5 - 57.5 (24)	TP41.9236x40.8737x0.7	2450.25	5700.78	0.430	0.00	5700.78	0.000
L25	57.5 - 52.5 (25)	TP42.9735x41.9236x0.7	2619.67	5997.34	0.437	0.00	5997.34	0.000
L26	52.5 - 41.42 (26)	TP45.3x42.9735x0.7	2774.01	6270.67	0.442	0.00	6270.67	0.000
L27	41.42 - 40.42 (27)	TP44.5104x42.9184x0.76 25	3038.68	6990.49	0.435	0.00	6990.49	0.000
L28	40.42 - 35.42 (28)	TP45.5606x44.5104x0.75	3216.20	7218.90	0.446	0.00	7218.90	0.000
L29	35.42 - 30.5 (29)	TP46.594x45.5606x0.75	3392.72	7558.49	0.449	0.00	7558.49	0.000
L30	30.5 - 30.25 (30)	TP46.6465x46.594x0.737 5	3401.73	7455.78	0.456	0.00	7455.78	0.000
L31	30.25 - 26.75 (31)	TP47.3816x46.6465x0.73 75	3528.43	7698.38	0.458	0.00	7698.38	0.000
L32	26.75 - 26.5 (32)	TP47.4341x47.3816x0.6	3537.51	6332.92	0.559	0.00	6332.92	0.000
L33	26.5 - 26.25 (33)	TP47.4866x47.4341x0.6	3546.59	6347.22	0.559	0.00	6347.22	0.000
L34	26.25 - 26 (34)	TP47.5391x47.4866x0.56 25	3555.68	5947.10	0.598	0.00	5947.10	0.000
L35	26 - 21 (35)	TP48.5893x47.5391x0.56 25	3738.22	6175.93	0.605	0.00	6175.93	0.000
L36	21 - 16 (36)	TP49.6395x48.5893x0.56 25	3922.20	6407.07	0.612	0.00	6407.07	0.000
L37	16 - 11 (37)	TP50.6896x49.6395x0.56 25	4107.59	6640.41	0.619	0.00	6640.41	0.000
L38	11 - 6 (38)	TP51.7398x50.6896x0.56 25	4294.42	6875.82	0.625	0.00	6875.82	0.000
L39	6 - 1 (39)	TP52.79x51.7398x0.5625	4482.65	7113.17	0.630	0.00	7113.17	0.000
L40	1 - 0.5 (40)	TP52.895x52.79x0.5625	4501.56	7137.01	0.631	0.00	7137.01	0.000
L41	0.5 - 0.25 (41)	TP52.9475x52.895x0.812 5	4511.02	10598.00	0.426	0.00	10598.00	0.000
L42	0.25 - 0 (42)	TP53x52.9475x0.8125	4520.48	10619.50	0.426	0.00	10619.50	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	160 - 155 (1)	TP22.6999x21.65x0.25	5.49	317.17	0.017	0.96	626.33	0.002
L2	155 - 150 (2)	TP23.7498x22.6999x0.25	5.91	332.00	0.018	0.96	686.28	0.001
L3	150 - 145 (3)	TP24.7997x23.7498x0.25	12.67	346.83	0.037	0.81	748.97	0.001
L4	145 - 140 (4)	TP25.8496x24.7997x0.25	13.11	361.67	0.036	0.81	814.40	0.001
L5	140 - 135 (5)	TP26.8995x25.8496x0.25	17.97	376.50	0.048	1.36	882.58	0.002
L6	135 - 130 (6)	TP27.9495x26.8995x0.25	18.41	391.33	0.047	1.36	953.49	0.001
L7	130 - 121.33 (7)	TP29.77x27.9495x0.25	23.31	403.20	0.058	2.20	1012.19	0.002
L8	121.33 - 121 (8)	TP29.3394x28.2894x0.37 5	23.85	613.80	0.039	2.20	1563.84	0.001
L9	121 - 116 (9)	TP30.3894x29.3394x0.37 5	26.97	636.05	0.042	1.00	1679.28	0.001
L10	116 - 111 (10)	TP31.4394x30.3894x0.37 5	27.41	658.30	0.042	1.00	1798.83	0.001
L11	111 - 106 (11)	TP32.4893x31.4394x0.37 5	28.84	680.55	0.042	0.87	1922.48	0.000
L12	106 - 102.75 (12)	TP33.1718x32.4893x0.37 5	29.12	695.02	0.042	0.87	2005.07	0.000
L13	102.75 - 102.5 (13)	TP33.2243x33.1718x0.37 5	29.15	696.13	0.042	0.87	2011.49	0.000
L14	102.5 - 97.5 (14)	TP34.2743x33.2243x0.37 5	29.97	718.38	0.042	0.94	2142.13	0.000
L15	97.5 - 92.5 (15)	TP35.3243x34.2743x0.37 5	30.39	740.63	0.041	0.94	2276.89	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio V_u ϕV_n	Actual T_u kip-ft	ϕT_n kip-ft	Ratio T_u ϕT_n
L16	92.5 - 87.5 (16)	TP36.3743x35.3243x0.375	30.80	762.88	0.040	0.93	2415.75	0.000
L17	87.5 - 81.33 (17)	TP37.67x36.3743x0.375	30.83	765.11	0.040	0.93	2429.87	0.000
L18	81.33 - 80.33 (18)	TP37.1298x35.7293x0.5	31.56	1034.99	0.030	0.93	3334.82	0.000
L19	80.33 - 75.33 (19)	TP38.1797x37.1298x0.5	32.10	1064.66	0.030	1.07	3528.72	0.000
L20	75.33 - 70.33 (20)	TP39.2296x38.1797x0.5	32.51	1094.32	0.030	1.07	3728.11	0.000
L21	70.33 - 67.75 (21)	TP39.7713x39.2296x0.5	32.73	1109.63	0.029	1.07	3833.13	0.000
L22	67.75 - 67.5 (22)	TP39.8238x39.7713x0.725	32.75	1601.90	0.020	1.07	5509.32	0.000
L23	67.5 - 62.5 (23)	TP40.8737x39.8238x0.7125	33.22	1617.05	0.021	1.07	5712.57	0.000
L24	62.5 - 57.5 (24)	TP41.9236x40.8737x0.7	33.68	1630.71	0.021	1.07	5913.20	0.000
L25	57.5 - 52.5 (25)	TP42.9735x41.9236x0.7	34.13	1672.24	0.020	1.07	6218.22	0.000
L26	52.5 - 41.42 (26)	TP45.3x42.9735x0.7	34.51	1709.62	0.020	1.07	6499.32	0.000
L27	41.42 - 40.42 (27)	TP44.5104x42.9184x0.7625	35.33	1885.08	0.019	1.07	7254.17	0.000
L28	40.42 - 35.42 (28)	TP45.5606x44.5104x0.75	35.72	1899.22	0.019	1.07	7486.10	0.000
L29	35.42 - 30.5 (29)	TP46.594x45.5606x0.75	36.08	1943.02	0.019	1.07	7835.35	0.000
L30	30.5 - 30.25 (30)	TP46.6465x46.594x0.7375	36.09	1913.34	0.019	1.07	7726.62	0.000
L31	30.25 - 26.75 (31)	TP47.3816x46.6465x0.7375	36.35	1943.98	0.019	1.07	7976.05	0.000
L32	26.75 - 26.5 (32)	TP47.4341x47.3816x0.6	36.35	1587.98	0.023	1.07	6541.97	0.000
L33	26.5 - 26.25 (33)	TP47.4866x47.4341x0.6	36.36	1589.77	0.023	1.07	6556.64	0.000
L34	26.25 - 26 (34)	TP47.5391x47.4866x0.5625	36.38	1493.27	0.024	1.07	6170.47	0.000
L35	26 - 21 (35)	TP48.5893x47.5391x0.5625	36.68	1526.65	0.024	1.07	6449.44	0.000
L36	21 - 16 (36)	TP49.6395x48.5893x0.5625	36.97	1560.03	0.024	1.07	6734.58	0.000
L37	16 - 11 (37)	TP50.6896x49.6395x0.5625	37.25	1593.41	0.023	1.07	7025.88	0.000
L38	11 - 6 (38)	TP51.7398x50.6896x0.5625	37.54	1626.80	0.023	1.07	7323.35	0.000
L39	6 - 1 (39)	TP52.79x51.7398x0.5625	37.82	1660.18	0.023	1.07	7626.99	0.000
L40	1 - 0.5 (40)	TP52.895x52.79x0.5625	37.84	1663.52	0.023	1.07	7657.69	0.000
L41	0.5 - 0.25 (41)	TP52.9475x52.895x0.8125	37.85	2393.79	0.016	1.07	10977.75	0.000
L42	0.25 - 0 (42)	TP53x52.9475x0.8125	37.86	2396.20	0.016	1.07	10999.92	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160 - 155 (1)	0.003	0.034	0.000	0.017	0.002	0.037	1.050	4.8.2
L2	155 - 150 (2)	0.003	0.076	0.000	0.018	0.001	0.080	1.050	4.8.2
L3	150 - 145 (3)	0.007	0.145	0.000	0.037	0.001	0.154	1.050	4.8.2
L4	145 - 140 (4)	0.008	0.223	0.000	0.036	0.001	0.232	1.050	4.8.2
L5	140 - 135 (5)	0.011	0.309	0.000	0.048	0.002	0.322	1.050	4.8.2
L6	135 - 130 (6)	0.011	0.400	0.000	0.047	0.001	0.413	1.050	4.8.2
L7	130 - 121.33 (7)	0.015	0.471	0.000	0.058	0.002	0.490	1.050	4.8.2

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L8	121.33 - 121 (8)	0.010	0.349	0.000	0.039	0.001	0.361	1.050	4.8.2
L9	121 - 116 (9)	0.012	0.401	0.000	0.042	0.001	0.415	1.050	4.8.2
L10	116 - 111 (10)	0.012	0.454	0.000	0.042	0.001	0.468	1.050	4.8.2
L11	111 - 106 (11)	0.012	0.505	0.000	0.042	0.000	0.520	1.050	4.8.2
L12	106 - 102.75 (12)	0.013	0.537	0.000	0.042	0.000	0.551	1.050	4.8.2
L13	102.75 - 102.5 (13)	0.013	0.539	0.000	0.042	0.000	0.554	1.050	4.8.2
L14	102.5 - 97.5 (14)	0.013	0.585	0.000	0.042	0.000	0.599	1.050	4.8.2
L15	97.5 - 92.5 (15)	0.013	0.627	0.000	0.041	0.000	0.641	1.050	4.8.2
L16	92.5 - 87.5 (16)	0.013	0.665	0.000	0.040	0.000	0.680	1.050	4.8.2
L17	87.5 - 81.33 (17)	0.013	0.669	0.000	0.040	0.000	0.684	1.050	4.8.2
L18	81.33 - 80.33 (18)	0.011	0.529	0.000	0.030	0.000	0.540	1.050	4.8.2
L19	80.33 - 75.33 (19)	0.011	0.546	0.000	0.030	0.000	0.558	1.050	4.8.2
L20	75.33 - 70.33 (20)	0.011	0.561	0.000	0.030	0.000	0.573	1.050	4.8.2
L21	70.33 - 67.75 (21)	0.011	0.569	0.000	0.029	0.000	0.581	1.050	4.8.2
L22	67.75 - 67.5 (22)	0.008	0.399	0.000	0.020	0.000	0.408	1.050	4.8.2
L23	67.5 - 62.5 (23)	0.008	0.415	0.000	0.021	0.000	0.423	1.050	4.8.2
L24	62.5 - 57.5 (24)	0.008	0.430	0.000	0.021	0.000	0.439	1.050	4.8.2
L25	57.5 - 52.5 (25)	0.009	0.437	0.000	0.020	0.000	0.446	1.050	4.8.2
L26	52.5 - 41.42 (26)	0.009	0.442	0.000	0.020	0.000	0.452	1.050	4.8.2
L27	41.42 - 40.42 (27)	0.009	0.435	0.000	0.019	0.000	0.444	1.050	4.8.2
L28	40.42 - 35.42 (28)	0.009	0.446	0.000	0.019	0.000	0.455	1.050	4.8.2
L29	35.42 - 30.5 (29)	0.010	0.449	0.000	0.019	0.000	0.459	1.050	4.8.2
L30	30.5 - 30.25 (30)	0.010	0.456	0.000	0.019	0.000	0.466	1.050	4.8.2
L31	30.25 - 26.75 (31)	0.010	0.458	0.000	0.019	0.000	0.469	1.050	4.8.2
L32	26.75 - 26.5 (32)	0.012	0.559	0.000	0.023	0.000	0.571	1.050	4.8.2
L33	26.5 - 26.25 (33)	0.012	0.559	0.000	0.023	0.000	0.571	1.050	4.8.2
L34	26.25 - 26 (34)	0.013	0.598	0.000	0.024	0.000	0.611	1.050	4.8.2
L35	26 - 21 (35)	0.013	0.605	0.000	0.024	0.000	0.619	1.050	4.8.2
L36	21 - 16 (36)	0.013	0.612	0.000	0.024	0.000	0.626	1.050	4.8.2
L37	16 - 11 (37)	0.013	0.619	0.000	0.023	0.000	0.633	1.050	4.8.2
L38	11 - 6 (38)	0.014	0.625	0.000	0.023	0.000	0.639	1.050	4.8.2
L39	6 - 1 (39)	0.014	0.630	0.000	0.023	0.000	0.644	1.050	4.8.2
L40	1 - 0.5 (40)	0.014	0.631	0.000	0.023	0.000	0.645	1.050	4.8.2
L41	0.5 - 0.25 (41)	0.010	0.426	0.000	0.016	0.000	0.435	1.050	4.8.2
L42	0.25 - 0 (42)	0.010	0.426	0.000	0.016	0.000	0.435	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 155	Pole	TP22.6999x21.65x0.25	1	-2.87	1110.08	3.5	Pass
L2	155 - 150	Pole	TP23.7498x22.6999x0.25	2	-3.30	1162.00	7.6	Pass
L3	150 - 145	Pole	TP24.7997x23.7498x0.25	3	-8.54	1213.92	14.7	Pass
L4	145 - 140	Pole	TP25.8496x24.7997x0.25	4	-9.12	1265.83	22.1	Pass
L5	140 - 135	Pole	TP26.8995x25.8496x0.25	5	-13.51	1317.74	30.6	Pass
L6	135 - 130	Pole	TP27.9495x26.8995x0.25	6	-14.20	1369.66	39.3	Pass
L7	130 - 121.33	Pole	TP29.77x27.9495x0.25	7	-19.68	1411.19	46.6	Pass
L8	121.33 - 121	Pole	TP29.3394x28.2894x0.375	8	-21.12	2148.31	34.4	Pass
L9	121 - 116	Pole	TP30.3894x29.3394x0.375	9	-25.23	2226.19	39.5	Pass
L10	116 - 111	Pole	TP31.4394x30.3894x0.375	10	-26.37	2304.07	44.5	Pass
L11	111 - 106	Pole	TP32.4893x31.4394x0.375	11	-28.34	2381.95	49.5	Pass
L12	106 - 102.75	Pole	TP33.1718x32.4893x0.375	12	-29.16	2432.57	52.5	Pass
L13	102.75 - 102.5	Pole	TP33.2243x33.1718x0.375	13	-29.24	2436.46	52.7	Pass
L14	102.5 - 97.5	Pole	TP34.2743x33.2243x0.375	14	-30.69	2514.34	57.1	Pass
L15	97.5 - 92.5	Pole	TP35.3243x34.2743x0.375	15	-32.03	2592.22	61.1	Pass
L16	92.5 - 87.5	Pole	TP36.3743x35.3243x0.375	16	-33.41	2670.10	64.8	Pass
L17	87.5 - 81.33	Pole	TP37.67x36.3743x0.375	17	-33.56	2677.88	65.1	Pass
L18	81.33 - 80.33	Pole	TP37.1298x35.7293x0.5	18	-36.73	3622.48	51.5	Pass
L19	80.33 - 75.33	Pole	TP38.1797x37.1298x0.5	19	-38.61	3726.31	53.1	Pass
L20	75.33 - 70.33	Pole	TP39.2296x38.1797x0.5	20	-40.36	3830.14	54.6	Pass
L21	70.33 - 67.75	Pole	TP39.7713x39.2296x0.5	21	-41.27	3883.71	55.3	Pass
L22	67.75 - 67.5	Pole	TP39.8238x39.7713x0.725	22	-41.40	5606.64	38.8	Pass
L23	67.5 - 62.5	Pole	TP40.8737x39.8238x0.7125	23	-43.65	5659.69	40.3	Pass
L24	62.5 - 57.5	Pole	TP41.9236x40.8737x0.7	24	-45.95	5707.48	41.8	Pass
L25	57.5 - 52.5	Pole	TP42.9735x41.9236x0.7	25	-48.29	5852.85	42.5	Pass
L26	52.5 - 41.42	Pole	TP45.3x42.9735x0.7	26	-50.42	5983.67	43.0	Pass
L27	41.42 - 40.42	Pole	TP44.5104x42.9184x0.7625	27	-56.80	6597.79	42.3	Pass
L28	40.42 - 35.42	Pole	TP45.5606x44.5104x0.75	28	-59.41	6647.27	43.4	Pass
L29	35.42 - 30.5	Pole	TP46.594x45.5606x0.75	29	-62.02	6800.56	43.7	Pass
L30	30.5 - 30.25	Pole	TP46.6465x46.594x0.7375	30	-62.16	6696.70	44.4	Pass
L31	30.25 - 26.75	Pole	TP47.3816x46.6465x0.7375	31	-63.99	6803.93	44.6	Pass
L32	26.75 - 26.5	Pole	TP47.4341x47.3816x0.6	32	-64.13	5557.94	54.4	Pass
L33	26.5 - 26.25	Pole	TP47.4866x47.4341x0.6	33	-64.26	5564.18	54.4	Pass
L34	26.25 - 26	Pole	TP47.5391x47.4866x0.5625	34	-64.37	5226.43	58.2	Pass
L35	26 - 21	Pole	TP48.5893x47.5391x0.5625	35	-66.62	5343.27	58.9	Pass
L36	21 - 16	Pole	TP49.6395x48.5893x0.5625	36	-68.93	5460.10	59.6	Pass
L37	16 - 11	Pole	TP50.6896x49.6395x0.5625	37	-71.27	5576.95	60.2	Pass
L38	11 - 6	Pole	TP51.7398x50.6896x0.5625	38	-73.59	5693.78	60.8	Pass
L39	6 - 1	Pole	TP52.79x51.7398x0.5625	39	-75.68	5810.62	61.4	Pass
L40	1 - 0.5	Pole	TP52.895x52.79x0.5625	40	-75.89	5822.30	61.4	Pass
L41	0.5 - 0.25	Pole	TP52.9475x52.895x0.8125	41	-76.04	8378.25	41.5	Pass
L42	0.25 - 0	Pole	TP53x52.9475x0.8125	42	-76.19	8386.70	41.5	Pass
							Summary	
							Pole (L17)	Pass
							RATING =	Pass

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

APPENDIX B
BASE LEVEL DRAWING

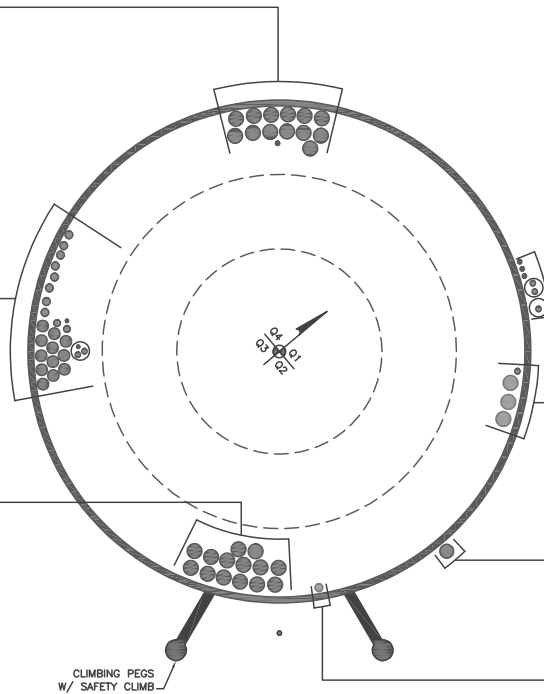


(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 158 FT LEVEL
(13) 1-5/8" TO 158 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(6) 7/8" TO 100 FT LEVEL

(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(1) 3/8" TO 147 FT LEVEL
(2) 5/8" TO 147 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 3/8" TO 147 FT LEVEL
(2) 3/4" TO 147 FT LEVEL
(2) 7/8" TO 147 FT LEVEL
(12) 1-1/4" TO 147 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(14) 1-5/8" TO 127 FT LEVEL



(OTHER CONSIDERED EQUIPMENT-BUNDLED IN (2) 2" CONDUITS)
(3) 5/8" TO 107 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(3) 1/2" TO 107 FT LEVEL

(PROPOSED EQUIPMENT CONFIGURATION)
(3) 1-5/8" TO 137 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 5/8" TO 137 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/2" TO 117 FT LEVEL

(PROPOSED EQUIPMENT CONFIGURATION)
(1) 7/8" TO 80 FT LEVEL

CLIMBING PEGS
W/ SAFETY CLIMB

APPENDIX C
ADDITIONAL CALCULATIONS

Site BU: 806939
Work Order: 2021609

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Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	160	38.67	4.67	12	21.65	29.77	0.25	Auto	A572-65
2	126	44.67	5.67	12	28.29	37.67	0.375	Auto	A572-65
3	87	45.58	6.58	12	35.73	45.3	0.5	Auto	A572-65
4	48	48	0	12	42.92	53	0.5625	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12
1	0.5	26.75	plate	CCI-CFP-085125	1								x				
2	0.5	30.5	plate	CCI-CFP-085125	2			x								x	
3	26.25	67.75	plate	CCI-SFP-065125	1							x					
4	30.5	67.75	plate	CCI-SFP-065125	2			x								x	
5	86.75	102.75	plate	CCI-SFP-060100	3		x				x				x		
6	0	0.5	plate	TS 1.25X6.5	6		-5		5			-5		5	-5		5
7																	
8																	
9																	
10																	

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	54	PC 8.8 - M20 (100)	54.000	17.000	9.063	1.1875	A572-65
2	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	54	PC 8.8 - M20 (100)	54.000	17.000	9.063	1.1875	A572-65
3	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
4	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
5	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65
6	1.25	5.75	7.1875	2.875	Welded	n/a	Welded	n/a	0.000	7.188	0.0000	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
CCI-CFP-085125	Top	18	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	18	N	3	3	-	-	-	-	-	-	-	-	-
TS 1.25X6.5	Top	-	-	-	-	80	None	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	PJP Groove	11.5	0.5	45	0.625	51	0.625	-

TNX Geometry Input

Increment (ft): Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	160 - 155	5		12	21.650	22.700	0.25	A572-65	1.000
2	155 - 150	5		12	22.700	23.750	0.25	A572-65	1.000
3	150 - 145	5		12	23.750	24.800	0.25	A572-65	1.000
4	145 - 140	5		12	24.800	25.850	0.25	A572-65	1.000
5	140 - 135	5		12	25.850	26.900	0.25	A572-65	1.000
6	135 - 130	5		12	26.900	27.949	0.25	A572-65	1.000
7	130 - 126	8.67	4.67	12	27.949	29.770	0.25	A572-65	1.000
8	126 - 121	5		12	28.289	29.339	0.375	A572-65	1.000
9	121 - 116	5		12	29.339	30.389	0.375	A572-65	1.000
10	116 - 111	5		12	30.389	31.439	0.375	A572-65	1.000
11	111 - 106	5		12	31.439	32.489	0.375	A572-65	1.000
12	106 - 102.75	3.25		12	32.489	33.172	0.375	A572-65	1.000
13	102.75 - 102.5	0.25		12	33.172	33.224	0.375	A572-65	1.000
14	102.5 - 97.5	5		12	33.224	34.274	0.375	A572-65	1.000
15	97.5 - 92.5	5		12	34.274	35.324	0.375	A572-65	1.000
16	92.5 - 87.5	5		12	35.324	36.374	0.375	A572-65	1.000
17	87.5 - 87	6.17	5.67	12	36.374	37.670	0.375	A572-65	1.000
18	87 - 80.33	6.67		12	35.729	37.130	0.5	A572-65	1.000
19	80.33 - 75.33	5		12	37.130	38.180	0.5	A572-65	1.000
20	75.33 - 70.33	5		12	38.180	39.230	0.5	A572-65	1.000
21	70.33 - 67.75	2.58		12	39.230	39.771	0.5	A572-65	1.000
22	67.75 - 67.5	0.25		12	39.771	39.824	0.725	A572-65	0.961
23	67.5 - 62.5	5		12	39.824	40.874	0.7125	A572-65	0.970
24	62.5 - 57.5	5		12	40.874	41.924	0.7	A572-65	0.980
25	57.5 - 52.5	5		12	41.924	42.973	0.7	A572-65	0.974
26	52.5 - 48	11.08	6.58	12	42.973	45.300	0.7	A572-65	0.968
27	48 - 40.42	7.58		12	42.918	44.510	0.7625	A572-65	0.968
28	40.42 - 35.42	5		12	44.510	45.561	0.75	A572-65	0.979
29	35.42 - 30.5	4.92		12	45.561	46.594	0.75	A572-65	0.974
30	30.5 - 30.25	0.25		12	46.594	46.646	0.7375	A572-65	0.961
31	30.25 - 26.75	3.5		12	46.646	47.382	0.7375	A572-65	0.958
32	26.75 - 26.5	0.25		12	47.382	47.434	0.6	A572-65	1.146
33	26.5 - 26.25	0.25		12	47.434	47.487	0.6	A572-65	1.146
34	26.25 - 26	0.25		12	47.487	47.539	0.5625	A572-65	1.000
35	26 - 21	5		12	47.539	48.589	0.5625	A572-65	1.000
36	21 - 16	5		12	48.589	49.639	0.5625	A572-65	1.000
37	16 - 11	5		12	49.639	50.690	0.5625	A572-65	1.000
38	11 - 6	5		12	50.690	51.740	0.5625	A572-65	1.000
39	6 - 1	5		12	51.740	52.790	0.5625	A572-65	1.000
40	1 - 0.5	0.5		12	52.790	52.895	0.5625	A572-65	1.000
41	0.5 - 0.25	0.25		12	52.895	52.947	0.8125	A572-65	1.012
42	0.25 - 0	0.25		12	52.947	53.000	0.8125	A572-65	1.012

TNX Section Forces

Increment (ft):		TNX Output		
		5		
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	160 - 155	2.87	20.19	5.49
2	155 - 150	3.30	48.68	5.91
3	150 - 145	8.54	99.44	12.67
4	145 - 140	9.12	163.87	13.11
5	140 - 135	13.51	241.38	17.97
6	135 - 130	14.20	332.29	18.41
7	130 - 126	19.68	410.65	23.31
8	126 - 121	21.12	528.48	23.85
9	121 - 116	25.23	652.83	26.97
10	116 - 111	26.37	788.70	27.41
11	111 - 106	28.34	929.52	28.84
12	106 - 102.75	29.16	1023.63	29.12
13	102.75 - 102.5	29.24	1030.91	29.15
14	102.5 - 97.5	30.69	1178.42	29.97
15	97.5 - 92.5	32.03	1329.23	30.39
16	92.5 - 87.5	33.41	1482.09	30.80
17	87.5 - 87	33.56	1497.49	30.83
18	87 - 80.33	36.73	1705.53	31.56
19	80.33 - 75.33	38.61	1864.58	32.10
20	75.33 - 70.33	40.36	2026.01	32.51
21	70.33 - 67.75	41.27	2110.11	32.73
22	67.75 - 67.5	41.40	2118.29	32.75
23	67.5 - 62.5	43.65	2283.11	33.22
24	62.5 - 57.5	45.95	2450.25	33.68
25	57.5 - 52.5	48.29	2619.67	34.13
26	52.5 - 48	50.42	2774.01	34.51
27	48 - 40.42	56.80	3038.68	35.33
28	40.42 - 35.42	59.41	3216.20	35.72
29	35.42 - 30.5	62.02	3392.72	36.08
30	30.5 - 30.25	62.16	3401.74	36.09
31	30.25 - 26.75	63.99	3528.43	36.35
32	26.75 - 26.5	64.13	3537.51	36.35
33	26.5 - 26.25	64.26	3546.60	36.36
34	26.25 - 26	64.37	3555.68	36.38
35	26 - 21	66.62	3738.23	36.68
36	21 - 16	68.93	3922.20	36.97
37	16 - 11	71.27	4107.59	37.25
38	11 - 6	73.59	4294.41	37.54
39	6 - 1	75.68	4482.65	37.82
40	1 - 0.5	75.89	4501.56	37.84
41	0.5 - 0.25	76.04	4511.01	37.85
42	0.25 - 0	76.19	4520.47	37.86

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP22.7x21.65x0.25	Pole	3.5%	Pass
155 - 150	Pole	TP23.75x22.7x0.25	Pole	7.6%	Pass
150 - 145	Pole	TP24.8x23.75x0.25	Pole	14.6%	Pass
145 - 140	Pole	TP25.85x24.8x0.25	Pole	22.1%	Pass
140 - 135	Pole	TP26.9x25.85x0.25	Pole	30.6%	Pass
135 - 130	Pole	TP27.949x26.9x0.25	Pole	39.2%	Pass
130 - 126	Pole	TP29.77x27.949x0.25	Pole	46.5%	Pass
126 - 121	Pole	TP29.339x28.289x0.375	Pole	34.3%	Pass
121 - 116	Pole	TP30.389x29.339x0.375	Pole	39.4%	Pass
116 - 111	Pole	TP31.439x30.389x0.375	Pole	44.4%	Pass
111 - 106	Pole	TP32.489x31.439x0.375	Pole	49.4%	Pass
106 - 102.75	Pole	TP33.172x32.489x0.375	Pole	52.4%	Pass
102.75 - 102.5	Pole	TP33.224x33.172x0.375	Pole	52.6%	Pass
102.5 - 97.5	Pole	TP34.274x33.224x0.375	Pole	56.9%	Pass
97.5 - 92.5	Pole	TP35.324x34.274x0.375	Pole	60.9%	Pass
92.5 - 87.5	Pole	TP36.374x35.324x0.375	Pole	64.6%	Pass
87.5 - 87	Pole	TP37.67x36.374x0.375	Pole	65.0%	Pass
87 - 80.33	Pole	TP37.13x35.729x0.5	Pole	51.3%	Pass
80.33 - 75.33	Pole	TP38.18x37.13x0.5	Pole	53.0%	Pass
75.33 - 70.33	Pole	TP39.23x38.18x0.5	Pole	54.5%	Pass
70.33 - 67.75	Pole	TP39.771x39.23x0.5	Pole	55.1%	Pass
67.75 - 67.5	Pole + Reinf.	TP39.824x39.771x0.725	Reinf. 4 Tension Rupture	58.8%	Pass
67.5 - 62.5	Pole + Reinf.	TP40.874x39.824x0.7125	Reinf. 4 Tension Rupture	60.6%	Pass
62.5 - 57.5	Pole + Reinf.	TP41.924x40.874x0.7	Reinf. 4 Tension Rupture	62.2%	Pass
57.5 - 52.5	Pole + Reinf.	TP42.973x41.924x0.7	Reinf. 4 Tension Rupture	63.7%	Pass
52.5 - 48	Pole + Reinf.	TP45.3x42.973x0.7	Reinf. 4 Tension Rupture	64.9%	Pass
48 - 40.42	Pole + Reinf.	TP44.51x42.918x0.7625	Reinf. 4 Tension Rupture	63.8%	Pass
40.42 - 35.42	Pole + Reinf.	TP45.561x44.51x0.75	Reinf. 4 Tension Rupture	64.8%	Pass
35.42 - 30.5	Pole + Reinf.	TP46.594x45.561x0.75	Reinf. 4 Tension Rupture	65.7%	Pass
30.5 - 30.25	Pole + Reinf.	TP46.646x46.594x0.7375	Reinf. 2 Compression	58.7%	Pass
30.25 - 26.75	Pole + Reinf.	TP47.382x46.646x0.7375	Reinf. 2 Compression	59.2%	Pass
26.75 - 26.5	Pole + Reinf.	TP47.434x47.382x0.6	Pole	56.8%	Pass
26.5 - 26.25	Pole + Reinf.	TP47.487x47.434x0.6	Pole	56.8%	Pass
26.25 - 26	Pole	TP47.539x47.487x0.5625	Pole	58.1%	Pass
26 - 21	Pole	TP48.589x47.539x0.5625	Pole	58.8%	Pass
21 - 16	Pole	TP49.639x48.589x0.5625	Pole	59.5%	Pass
16 - 11	Pole	TP50.69x49.639x0.5625	Pole	60.1%	Pass
11 - 6	Pole	TP51.74x50.69x0.5625	Pole	60.7%	Pass
6 - 1	Pole	TP52.79x51.74x0.5625	Pole	61.2%	Pass
1 - 0.5	Pole	TP52.895x52.79x0.5625	Pole	61.3%	Pass
0.5 - 0.25	Pole + Reinf.	TP52.947x52.895x0.8125	Reinf. 6 Tension Yield	54.2%	Pass
0.25 - 0	Pole + Reinf.	TP53x52.947x0.8125	Reinf. 6 Tension Yield	54.3%	Pass
				Summary	
			Pole	65.0%	Pass
			Reinforcement	65.7%	Pass
			Overall	65.7%	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
160 - 155	1164	n/a	1164	18.05	n/a	18.05	3.5%						
155 - 150	1335	n/a	1335	18.89	n/a	18.89	7.6%						
150 - 145	1522	n/a	1522	19.73	n/a	19.73	14.6%						
145 - 140	1726	n/a	1726	20.58	n/a	20.58	22.1%						
140 - 135	1947	n/a	1947	21.42	n/a	21.42	30.6%						
135 - 130	2187	n/a	2187	22.27	n/a	22.27	39.2%						
130 - 126	2392	n/a	2392	22.94	n/a	22.94	46.5%						
126 - 121	3750	n/a	3750	34.92	n/a	34.92	34.3%						
121 - 116	4173	n/a	4173	36.19	n/a	36.19	39.4%						
116 - 111	4627	n/a	4627	37.46	n/a	37.46	44.4%						
111 - 106	5112	n/a	5112	38.72	n/a	38.72	49.4%						
106 - 102.75	5445	n/a	5445	39.55	n/a	39.55	52.4%						
102.75 - 102.5	5471	n/a	5471	39.61	n/a	39.61	52.6%						
102.5 - 97.5	6012	n/a	6012	40.87	n/a	40.87	56.9%						
97.5 - 92.5	6588	n/a	6588	42.14	n/a	42.14	60.9%						
92.5 - 87.5	7200	n/a	7200	43.41	n/a	43.41	64.6%						
87.5 - 87	7263	n/a	7263	43.53	n/a	43.53	65.0%						
87 - 80.33	10114	n/a	10114	58.89	n/a	58.89	51.3%						
80.33 - 75.33	11009	n/a	11009	60.58	n/a	60.58	53.0%						
75.33 - 70.33	11955	n/a	11955	62.27	n/a	62.27	54.5%						
70.33 - 67.75	12463	n/a	12463	63.14	n/a	63.14	55.1%						
67.75 - 67.5	12513	5185	17698	63.22	24.38	87.60	37.8%			58.8%	58.8%		
67.5 - 62.5	13543	5451	18994	64.91	24.38	89.28	39.0%			60.6%	60.6%		
62.5 - 57.5	14627	5724	20351	66.60	24.38	90.97	40.1%			62.2%	62.2%		
57.5 - 52.5	15767	6003	21771	68.28	24.38	92.66	41.4%			63.7%	63.7%		
52.5 - 48	16843	6261	23104	69.80	24.38	94.18	42.5%			64.9%	64.9%		
48 - 40.42	19651	6425	26075	79.49	24.38	103.86	41.2%			63.8%	63.8%		
40.42 - 35.42	21093	6721	27814	81.39	24.38	105.76	41.8%			64.8%	64.8%		
35.42 - 30.5	22580	7019	29599	83.26	24.38	107.63	42.4%			65.7%	65.7%		
30.5 - 30.25	22820	6824	29644	83.35	21.25	104.60	45.8%		58.7%				
30.25 - 26.75	23925	7038	30963	84.68	21.25	105.93	46.4%		59.2%				
26.75 - 26.5	24073	1738	25811	84.77	18.75	103.52	56.8%	52.0%		56.1%			
26.5 - 26.25	24154	1742	25896	84.87	18.75	103.62	56.8%	52.0%		56.1%			
26.25 - 26	24000	n/a	24000	84.96	n/a	84.96	58.1%						
26 - 21	25645	n/a	25645	86.86	n/a	86.86	58.8%						
21 - 16	27365	n/a	27365	88.76	n/a	88.76	59.5%						
16 - 11	29159	n/a	29159	90.66	n/a	90.66	60.1%						
11 - 6	31030	n/a	31030	92.56	n/a	92.56	60.7%						
6 - 1	32980	n/a	32980	94.46	n/a	94.46	61.2%						
1 - 0.5	33179	n/a	33179	94.65	n/a	94.65	61.3%						
0.5 - 0.25	33406	14096	47501	94.75	43.13	137.87	44.5%						54.2%
0.25 - 0	33506	14122	47628	94.84	43.13	137.97	44.5%						54.3%

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

Monopole Base Plate Connection

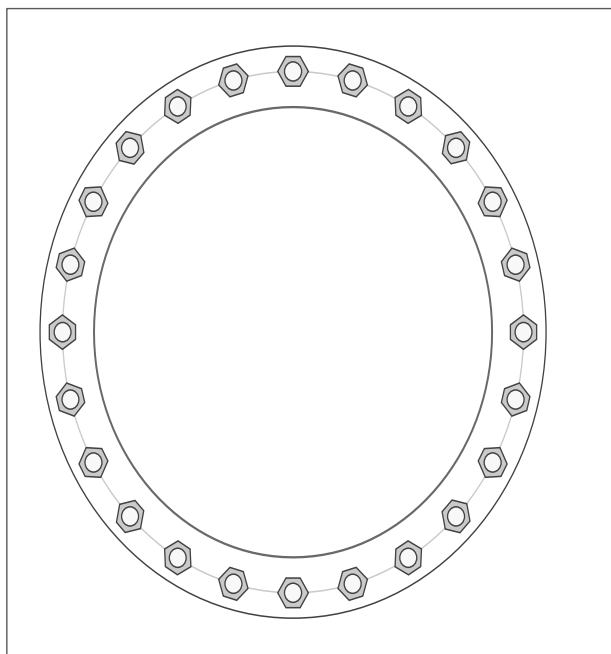


Site Info	
BU #	806939
Site Name	NHV 2071 143137
Order #	582279 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.25

Applied Loads	
Moment (kip-ft)	4520.47
Axial Force (kips)	76.19
Shear Force (kips)	37.86

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
(24) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 61.37" BC		$Pu_t = 144.06$	$\phi Pn_t = 243.75$ Stress Rating
Base Plate Data		$Vu = 1.58$	$\phi Vn = 149.1$ 56.3%
67.37" OD x 3" Plate (S-128; $F_y=60$ ksi, $F_u=80$ ksi)		$Mu = n/a$	$\phi Mn = n/a$ Pass
Stiffener Data		Base Plate Summary	
N/A		Max Stress (ksi):	24.2 (Flexural)
Pole Data		Allowable Stress (ksi):	54
53" x 0.8125" 12-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)		Stress Rating:	42.7% Pass

Pier and Pad Foundation



BU #: 806939
 Site Name: NHV 2071 143137
 App. Number: 582279 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	76.19	kips
Base Shear, V_{u_comp} :	37.86	kips
Moment, M_u :	4520.47	ft-kips
Tower Height, H :	160	ft
BP Dist. Above Fdn, bp_{dist} :	3.5	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, d_{pier} :	7	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, S_c :	11	
Pier Rebar Quantity, mc :	36	
Pier Tie/Spiral Size, S_t :	5	
Pier Tie/Spiral Quantity, mt :	6	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	9.5	ft
Pad Width, W_1 :	30	ft
Pad Thickness, T :	3.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	28	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δc :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	115	pcf
Ultimate Net Bearing, Q_{net} :	25.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	31	degrees
SPT Blow Count, N_{blows} :	16	
Base Friction, μ :	0.4	
Neglected Depth, N :	3.30	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	8	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	530.61	37.86	6.8%	Pass
Bearing Pressure (ksf)	19.50	2.20	10.7%	Pass
Overturning (kip*ft)	13936.61	4910.11	35.2%	Pass
Pier Flexure (Comp.) (kip*ft)	8709.82	4766.56	52.1%	Pass
Pier Compression (kip)	24494.62	121.22	0.5%	Pass
Pad Flexure (kip*ft)	7039.68	1808.33	24.5%	Pass
Pad Shear - 1-way (kips)	1259.72	223.45	16.9%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.039	19.4%	Pass
Flexural 2-way (Comp) (kip*ft)	8089.81	2859.94	33.7%	Pass

*Rating per TIA-222-H Section 15.5

Structural Rating*:	52.1%
Soil Rating*:	35.2%

<--Toggle between Gross and Net

ASCE 7 Hazards Report

Address:
No Address at This
Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 191.26 ft (NAVD 88)
Latitude: 41.307878
Longitude: -73.032283



Wind

Results:

Wind Speed:	119 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Tue Nov 09 2021

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

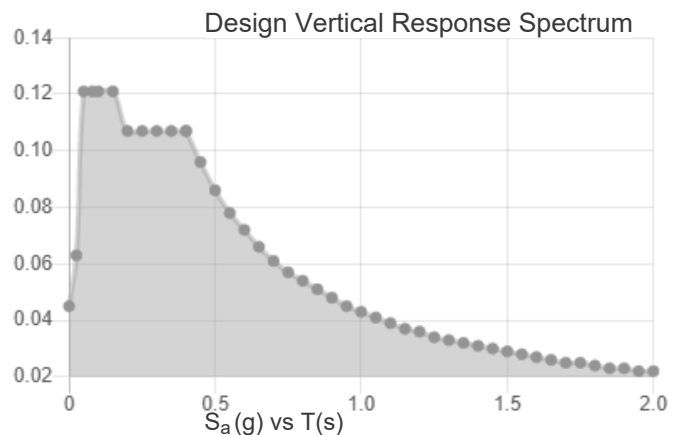
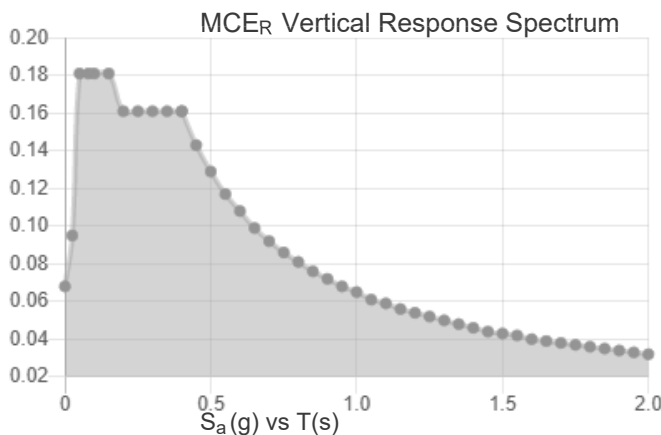
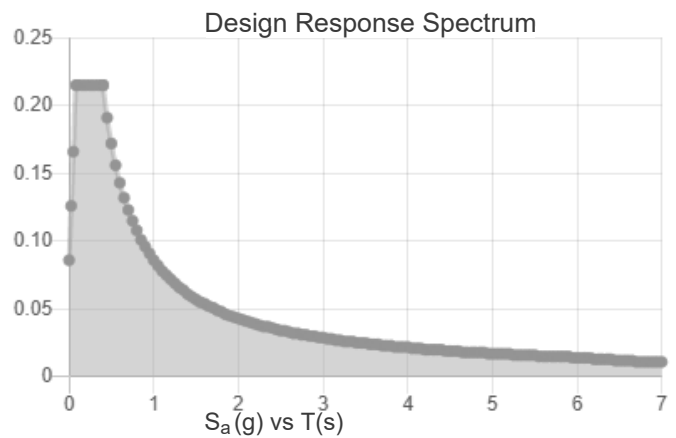
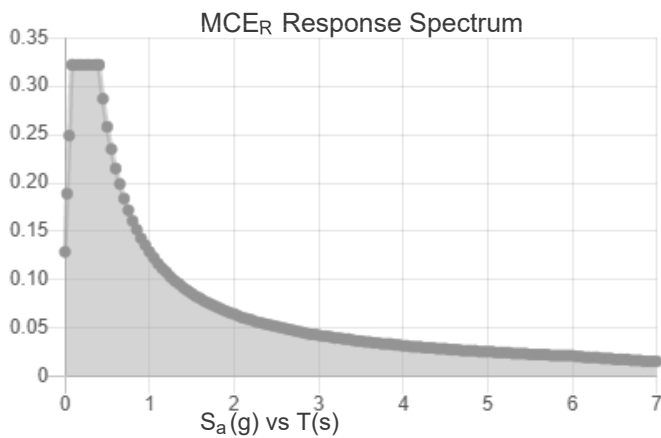
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_S :	0.201	S_{D1} :	0.086
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.113
F_v :	2.4	PGA _M :	0.178
S_{MS} :	0.322	F_{PGA} :	1.574
S_{M1} :	0.129	I_e :	1
S_{DS} :	0.215	C_v :	0.703

Seismic Design Category B



Data Accessed:

Tue Nov 09 2021

Date Source:

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

Results:

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

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

Date Accessed: Tue Nov 09 2021

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

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

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

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Exhibit E

Mount Analysis

Date: **October 21, 2021**

Jacob Montoya
Crown Castle
2055 S. Stearman Drive
Chandler, AZ 85286
(480) 298-9641



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

Subject: Mount Modification Analysis Report

Carrier Designation: T-Mobile (Sprint)
Carrier Site Number: CT11584A
Carrier Site Name: CT03XC019

Crown Castle Designation: Crown Castle BU Number: 806939
Crown Castle Site Name: NHV 2071 143137
Crown Castle JDE Job Number: 682265
Crown Castle Order Number: 582279 Rev 0

Engineering Firm Designation: POD Report Designation: 21-112416

Site Data: 800 OGG Meadow Road, Orange, New Haven County, CT 06477
Latitude 41° 18' 28.36" Longitude -73° 1' 56.22"

Structure Information: Tower Height & Type: 161 ft Monopole
Mount Elevation: 137 ft
Mount Type: 12.5 ft Platform with Support Rails

Dear Jacob Montoya,

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

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

12.5 ft Platform with Support Rails(Multiple Sector)

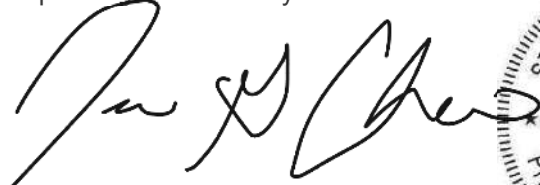
Sufficient*

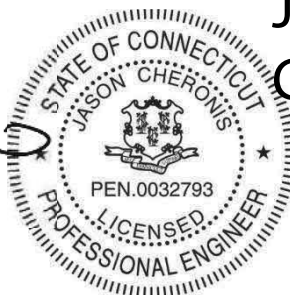
***See Section 4.1 of this report for the loading and structural modifications required in order for the mount to support the loading listed in Table 1.**

This analysis utilizes an ultimate 3-second gust wind speed of 124 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Dario Pelemis

Respectfully submitted by:


Jason Cheronis, PE
Connecticut PE#: 0032793



Jason
Cheronis

Digitally signed
by Jason
Cheronis
Date: 2021.10.22
13:25:14 -04'00'

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Mount Modification Design Drawings

1) INTRODUCTION

This mount is a existing 12.5 ft Platform with Support Rails. This mount is installed at the 137 ft elevation on the 161 ft Monopole.

2) ANALYSIS CRITERIA

Building Code:	2015 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	124 mph
Exposure Category:	B
Topographic Factor at Base:	1.0
Topographic Factor at Mount:	1.0
Ice Thickness:	1.0 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.192
Seismic S_1:	0.063
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points:	250 lb
Man Live Load at Mount Pipes:	500 lb

Table 1 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
137	138	3	ERICSSON	AIR6449 B41_T-MOBILE	12.5 ft Platform with Support Rails	-
		3	RFS/CELWAVE	APX16DWV-16DWV-S-E-A20		
		3	RFS/CELWAVE	APXVAALL24_43-U-NA20_TMO		
		3	ERICSSON	RADIO 4460 B2/B25 B66_TMO		
		3	ERICSSON	Radio 4480_TMOV2		
80	81	1	KATHREIN	OG-860/1920/GPS-A		1

Notes:

- 1) Antenna is not on the mount being consider and so not included in this report.

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle App # 582279 Rev 0 Dated: 09/10/2021	Crown Castle
RFDS	-	T-Mobile (Sprint) File Name: CT11584A Dated: 08/13/2021	Crown Castle
Structural Analysis	-	Crown Castle Report #: 1964050 Dated: 06/08/2021	Crown Castle
Previous Mount Analysis	-	POD Project #: 21-109079 Dated: 09/21/2021	POD
Mount Modification Design Drawings	-	POD Project #: 21-112416 Dated: 10/22/2021	POD

3.1) Analysis Method

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

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

This analysis was performed in accordance with Crown Castle's ENG-SOW-10208 Tower Mount Analysis (Revision B).

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (12.5 ft Platform with Support Rails)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
1	Standoff	SO1B	137	58.0	Pass
	Rail	RAIL1		75.9	Pass
	Plate	PLATE3		53.6	Pass
	Mount Pipe	MP BETA6		55.7	Pass
	Face	FACE2		86.4	Pass
	Corner	CORNER2		76.0	Pass
	Connection	CONNECTION2		29.0	Pass
	Flange Plate Bolts	-		15.5	Pass
	Flange Plate	-		62.8	Pass

Structure Rating (max from all components) =	86.4%
---	--------------

Notes:

- 1) See additional documentation in "Appendix C – Software Analysis Output" and "Appendix D – Additional Calculations" for calculations supporting the % capacity

4.1) Recommendations

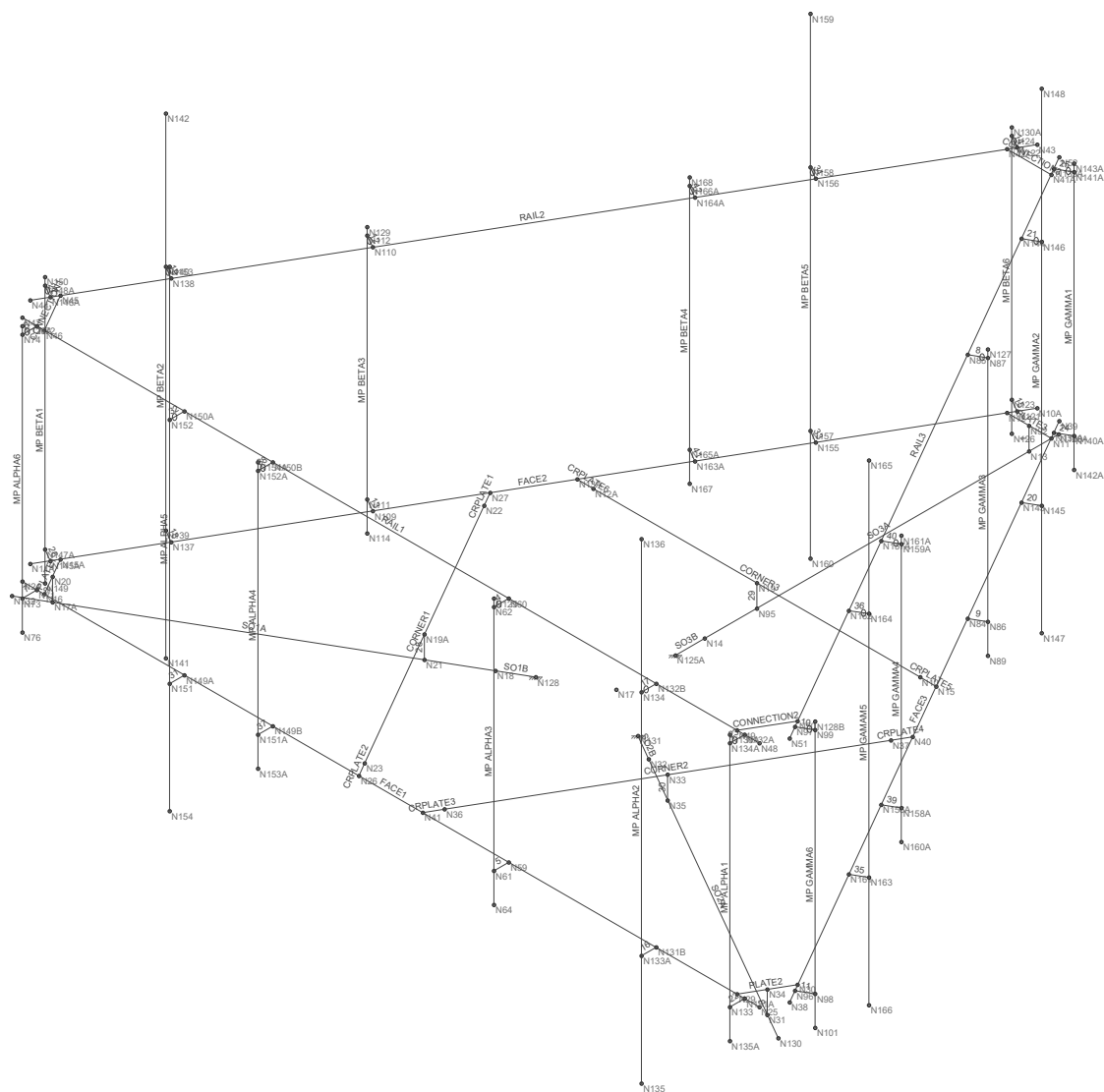
The mount has sufficient capacity to carry the proposed loading configuration. In order for the results of the analysis to be considered valid, the structural modifications listed below must be completed.

1. Install (2 per sector, 6 total) 8' P2 STD Mount Pipes connecting to existing face and support rail with (6 per sector, 18 total) 1/2" diameter U-Bolts
2. Install (1 per sector, 3 total) 1' L4x4x1/4, connecting the angle corner to the HSS standoff with (1 per sector, 3 total) 1/2" diameter square U-Bolts

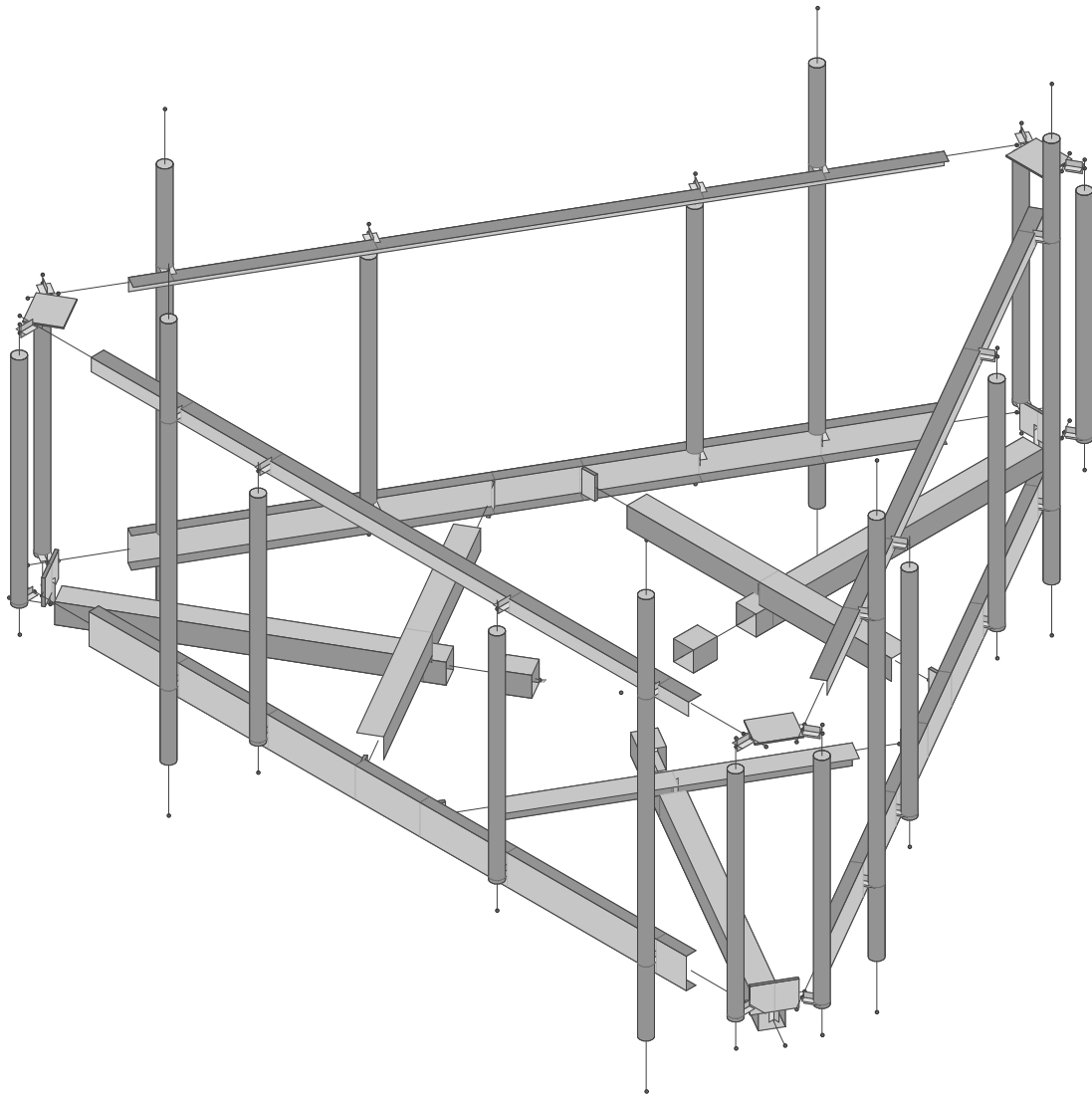
Engineering detail drawings have been provided in Appendix F – Mount Modification Design Drawings. Connection from the mount to the tower and local stresses on the tower are sufficient.

APPENDIX A

Wire Frame and Rendered Models



POD	806939	SK - 1
DP		Oct 21, 2021 at 2:50 PM
21-112416		(PL56) 806939.R3D



POD

DP

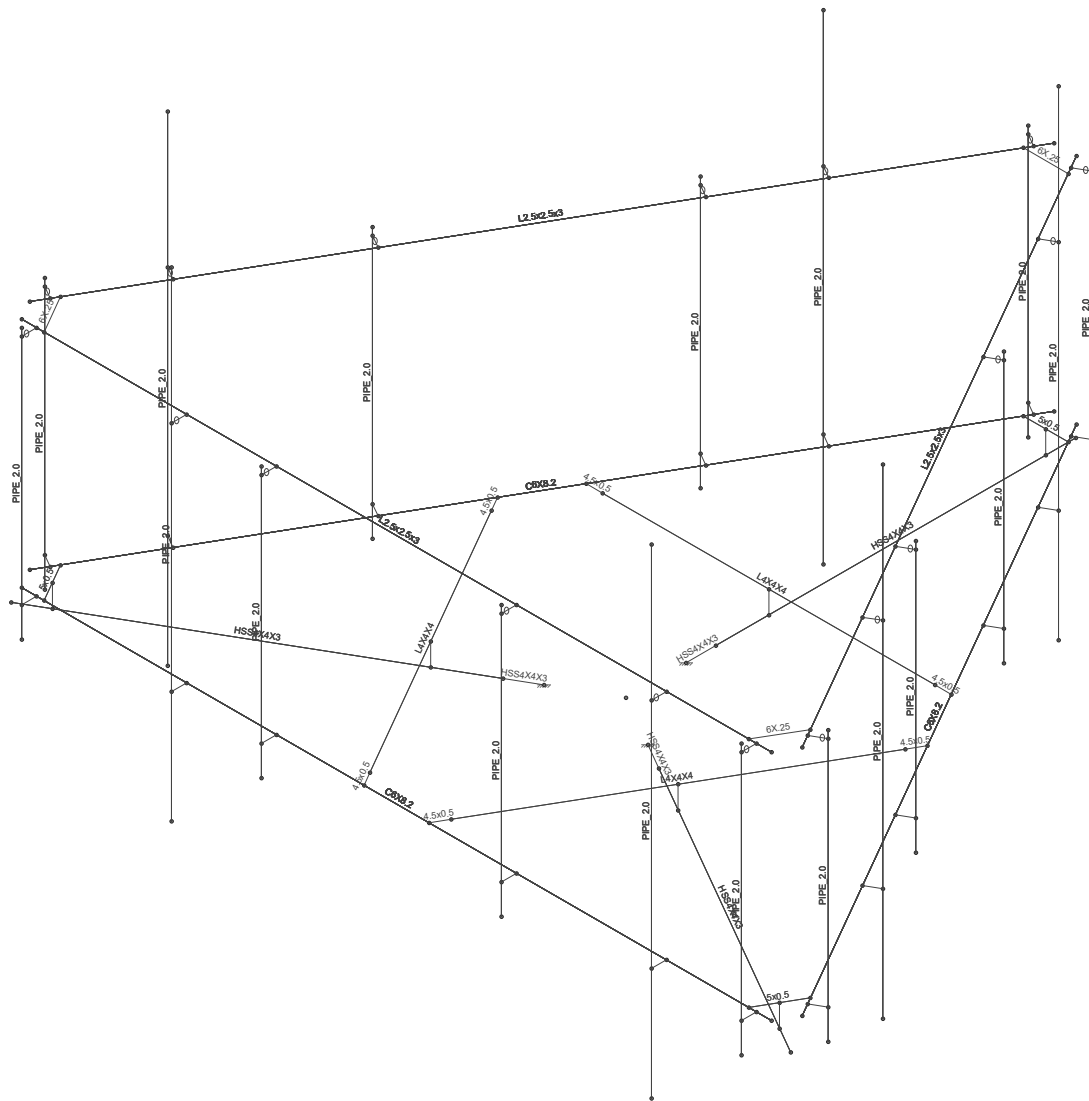
21-112416

806939

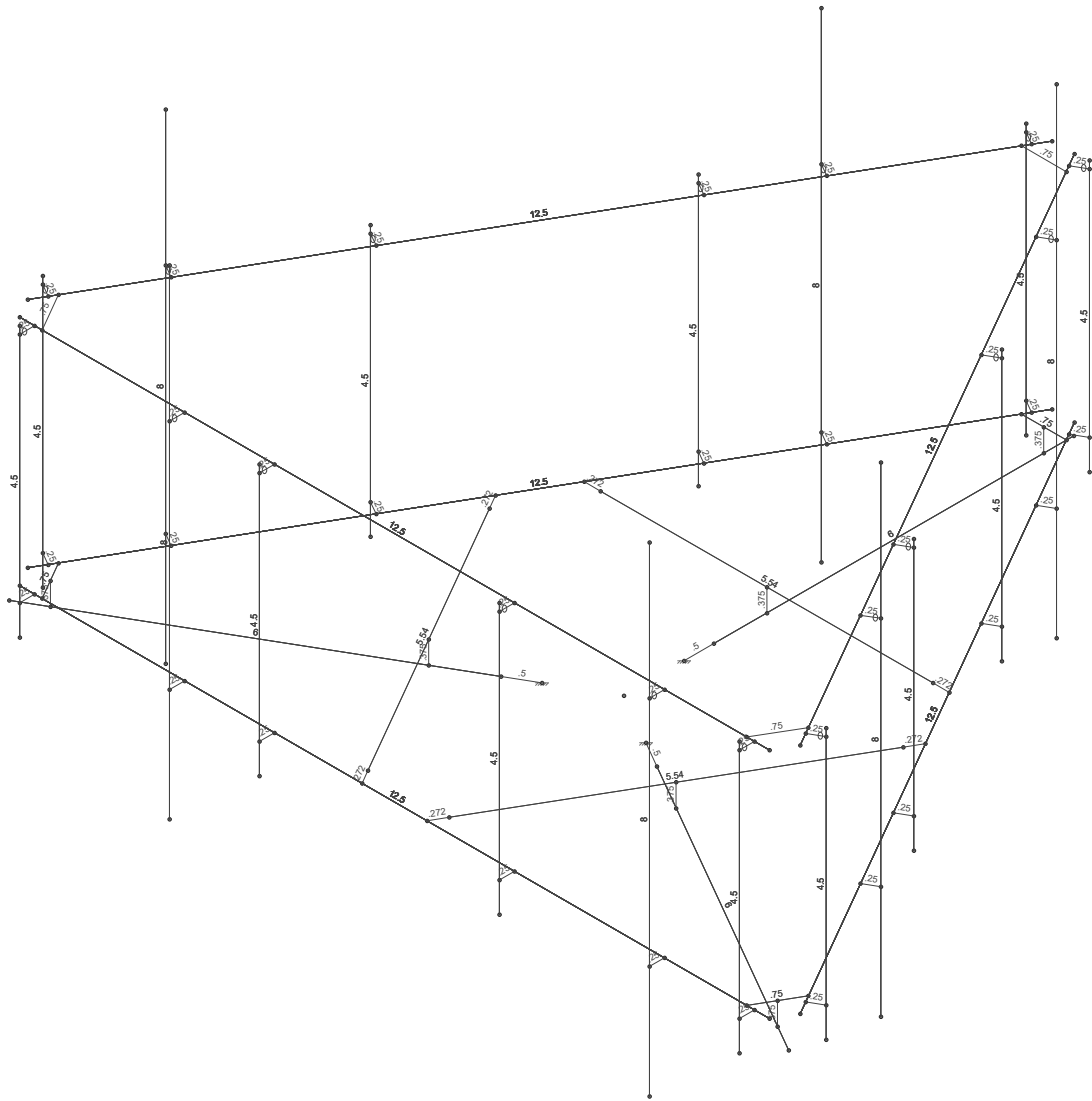
SK - 2

Oct 21, 2021 at 2:51 PM

(PL56) 806939.R3D



POD	806939	SK - 3
DP		Oct 21, 2021 at 2:51 PM
21-112416		(PL56) 806939.R3D



Member Length (ft) Displayed

POD

DP

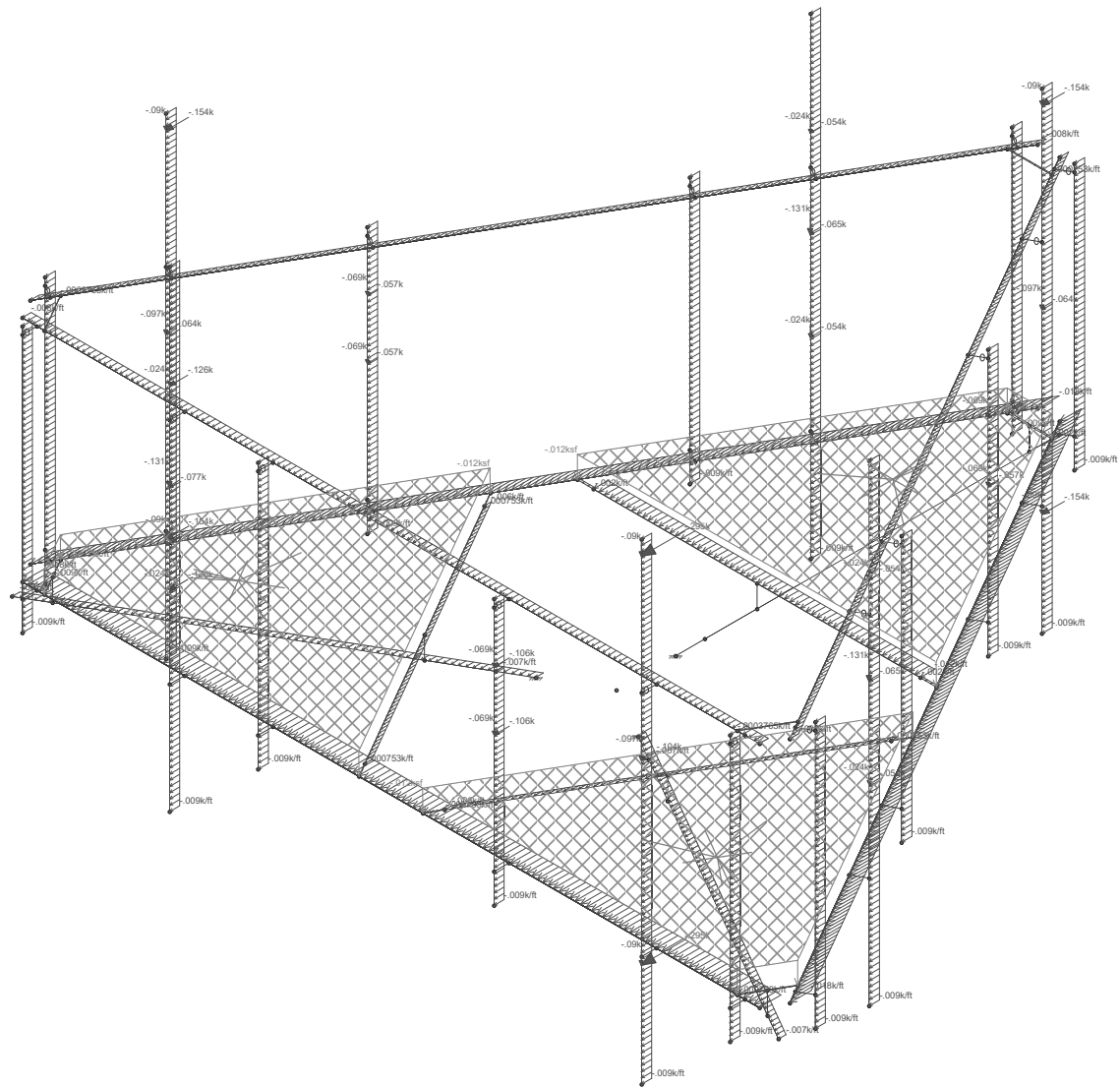
21-112416

806939

SK - 4

Oct 21, 2021 at 2:51 PM

(PL56) 806939.R3D



(PL56) 806939.R3D

APPENDIX B

Software Input Calculations



POD Job # 21-112416
Site Number 806939
Site Name NW 2071 143137

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1	Use CFD	Yes
V (Wind Speed)	124	I (ice)	1	Sms	0.307		
Zs	191.26			Sm1	0.151	width (ft)	height (ft)
ti	1	Ss	0.192	Sds	0.205	Front Outer Dimensions	12.5 4
Vi	50	S1	0.063	Sd1	0.101		
Kt1	1	Soil Site Class	D	Seismic Design Category			
Exposure	8	Fa	1.600	Seismic Analysis Not Required	B		
zg	1200	Fv	2.400	R	2 TIA-222-H 16.7		
α	7			As	1 TIA-222-H 16.7		
Kmin	0.7	Tower Type	Monopole	Cs, Min	0.03 TIA-222-H 2.7.7.1.1		
G _w	1	Tower Height	161	Cs	0.1024 TIA-222-H 2.7.7.1.1		
Ke	0.99						
K _o	0.95						
K _e	0.9						

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
AIR6449 B41_T-MOBILE			138	3	12		A/B/C	1 3	
APX150WV-150WV-S-E-A20			138	4.75	36		A/B/C	1 5	
APXVIAALL24_43-U-NAD2_TMO			138	4.75	72		A/B/C	1 2	
RADIO 4460 B2/B25 B66_TMO			138	4.75			A/B/C	1 5	
Radio 4480_TMOV2			138	4.75			A/B/C	1 2	

Mount Information

Elevation (ft)	137	Grating Thickness (in)	1
K _e	1.08	Grating Ice Weight (k/ft ²)	0.014
Kt2	1.15		
ti2	1.15		

Mount Pipes	Length (ft)	Width (in)	Centerline
	8	2.38	137

Round Members

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

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
sob	0.5	4	Square HSS		4	0.1875	4	No	3
soa	6	4	Square HSS		4	0.1875	4	No	3
rail on	12.5	2.5	Angle		2.5	0.1875		Yes	2
rail off	12.5	2.5	Angle		2.5	0.1875		No	1
Plate	0.75	0.5	Channel		0	5	0 0.5	No	3
face on	12.5	6	Channel		1.9	6	0.2 0.343	Yes	2
face off	12.5	6	Channel		1.9	6	0.2 0.343	No	1
cripl	0.272	0.5	Channel		0	4.5	0 0.5	No	6
corner	5.54	4	Angle		4	0.25		No	6
conn	0.75	0.25	Channel		0	6	0 0.25	No	3



Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft ²)	(EPA) _{h_z} (ft ²)	(EPA) _{h_z} (ft ²)	Front	Side	Wind Force (Kips)		Gamma
											Alpha	Beta	
AIR6449 B41_T-MOBILE	33.1	20.5	8.5	114.6	1.08	40.24	5.27	2.03	0.212	0.082	0.179	0.179	0.082
APX16DWV-16DWV-S-E-A20	55.9	13.3	3.2	40.7	1.08	40.24	6.26	1.50	0.252	0.060	0.204	0.204	0.060
APKVAALL24 43-U-NA20 T9	95.9	24.0	8.5	149.9	1.08	40.24	14.67	5.32	0.590	0.214	0.496	0.496	0.214
RADIO 4460 B2/B25 B66 TN	17.0	15.1	11.9	109.0	1.08	40.24	1.93	1.52	0.077	0.061	0.073	0.073	0.061
Radio 4480_TMOV2	22.0	15.7	7.5	81.0	1.08	40.24	2.59	1.26	0.104	0.051	0.091	0.091	0.051

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft ²)	(EPA) _{h_z} (ft ²)	(EPA) _{h_z} (ft ²)	Front	Side	Wind Force (Kips)		Gamma
												Alpha	Beta	
AIR6449 B41_T-MOBILE	1.15	35.42	22.82	10.85	96.16	1.15	6.54	5.85	2.53	0.037	0.017	0.032	0.032	0.017
APX16DWV-16DWV-S-E-A20	1.15	58.21	15.61	5.46	84.79	1.15	6.54	6.89	2.42	0.045	0.016	0.038	0.038	0.016
APKVAALL24 43-U-NA20 T9	1.15	98.21	26.31	10.81	270.90	1.15	6.54	14.81	6.21	0.097	0.041	0.083	0.083	0.041
RADIO 4460 B2/B25 B66 TN	1.15	19.31	17.41	14.21	55.76	1.15	6.54	1.47	1.20	0.010	0.008	0.009	0.009	0.008
Radio 4480_TMOV2	1.15	24.31	18.01	9.81	55.17	1.15	6.54	1.92	1.05	0.013	0.007	0.011	0.011	0.007

Round Members

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

Flat Members

Member	q _s (lb/ft ²)	Ar	Cf	Wind Calculations		Load (k/ft)	Width (in)	Weight (k/ft)	q _s (lb/ft ²)	Arice	Ice Calculations		EPA	Load (k/ft)
				EPA							Rice	Cf		
sob	40.15	0.50	1.25	0.19	0.008		6.31	0.01	6.53	0.79	0.69	1.25	0.20	0.001
soa	40.15	6.00	1.25	2.25	0.008		6.31	0.01	6.53	9.46	0.69	1.25	2.46	0.001
rail on	40.15	5.21	2.00	4.69	0.015		4.81	0.01	6.53	10.01	0.69	2.00	6.24	0.003
rail off	40.15	2.60	2.00	4.69	0.008		4.81	0.01	6.53	5.01	0.69	2.00	6.24	0.002
Plate	40.15	0.09	2.00	0.06	0.002		2.81	0.01	6.53	0.53	0.69	2.00	0.22	0.001
face on	40.15	12.50	2.00	11.25	0.036		8.31	0.01	6.53	17.30	0.69	2.00	10.78	0.006
face off	40.15	6.25	2.00	11.25	0.018		8.31	0.01	6.53	8.65	0.69	2.00	10.78	0.003
cripl	40.15	0.07	2.00	0.02	0.002		2.81	0.01	6.53	0.38	0.69	2.00	0.08	0.001
corner	40.15	11.08	2.00	3.32	0.012		6.31	0.01	6.53	17.47	0.69	2.00	3.63	0.002
conn	40.15	0.05	2.00	0.03	0.001		2.56	0.01	6.53	0.48	0.69	2.00	0.20	0.001

Appurtenance Seismic Calculations

Model	Weight	Sds	p	Cs	As	Ev	Eh
AIR6449 B41_T-MOBILE	114.6	0.205	1.000	0.102	1.000	0.005	0.012
APX16DWV-16DWV-S-E-A20	40.7	0.205	1.000	0.102	1.000	0.002	0.004
APKVAALL24 43-U-NA20 T9	149.9	0.205	1.000	0.102	1.000	0.006	0.015
RADIO 4460 B2/B25 B66 TN	109.0	0.205	1.000	0.102	1.000	0.004	0.011
Radio 4480_TMOV2	81.0	0.205	1.000	0.102	1.000	0.003	0.008

APPENDIX C

Software Analysis Output

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	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

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	SO3B	HSS4X4X3	.5			Lbyy						Lateral
2	SO3A	HSS4X4X3	6			Lbyy						Lateral
3	SO2B	HSS4X4X3	.5			Lbyy						Lateral
4	SO2A	HSS4X4X3	6			Lbyy						Lateral
5	SO1B	HSS4X4X3	.5			Lbyy						Lateral
6	SO1A	HSS4X4X3	6			Lbyy						Lateral
7	RAIL3	L2.5x2.5x3	12.5			Lbyy						Lateral
8	RAIL2	L2.5x2.5x3	12.5			Lbyy						Lateral
9	RAIL1	L2.5x2.5x3	12.5			Lbyy						Lateral
10	PLATE3	5x0.5	.75			Lbyy						Lateral
11	PLATE2	5x0.5	.75			Lbyy						Lateral
12	PLATE1	5x0.5	.75			Lbyy						Lateral
13	MP GAMMA6	PIPE 2.0	4.5			Lbyy						Lateral
14	MP GAMMA4	PIPE 2.0	4.5			Lbyy						Lateral
15	MP GAMMA3	PIPE 2.0	4.5			Lbyy						Lateral
16	MP GAMMA2	PIPE 2.0	8			Lbyy						Lateral
17	MP GAMMA1	PIPE 2.0	4.5			Lbyy						Lateral
18	MP GAMMA5	PIPE 2.0	8			Lbyy						Lateral
19	MP BETA6	PIPE 2.0	4.5			Lbyy						Lateral
20	MP BETA5	PIPE 2.0	8			Lbyy						Lateral
21	MP BETA4	PIPE 2.0	4.5			Lbyy						Lateral
22	MP BETA3	PIPE 2.0	4.5			Lbyy						Lateral
23	MP BETA2	PIPE 2.0	8			Lbyy						Lateral
24	MP BETA1	PIPE 2.0	4.5			Lbyy						Lateral
25	MP ALPHA6	PIPE 2.0	4.5			Lbyy						Lateral
26	MP ALPHA5	PIPE 2.0	8			Lbyy						Lateral
27	MP ALPHA4	PIPE 2.0	4.5			Lbyy						Lateral
28	MP ALPHA3	PIPE 2.0	4.5			Lbyy						Lateral
29	MP ALPHA2	PIPE 2.0	8			Lbyy						Lateral
30	MP ALPHA1	PIPE 2.0	4.5			Lbyy						Lateral
31	FACE3	C6X8.2	12.5		5.33	Lbyy						Lateral
32	FACE2	C6X8.2	12.5		5.33	Lbyy						Lateral
33	FACE1	C6X8.2	12.5		5.33	Lbyy						Lateral
34	CRPLATE6	4.5x0.5	.272			Lbyy						Lateral
35	CRPLATE5	4.5x0.5	.272			Lbyy						Lateral
36	CRPLATE4	4.5x0.5	.272			Lbyy						Lateral
37	CRPLATE3	4.5x0.5	.272			Lbyy						Lateral
38	CRPLATE2	4.5x0.5	.272			Lbyy						Lateral
39	CRPLATE1	4.5x0.5	.272			Lbyy						Lateral
40	CORNER3	L4X4X4	5.54	2.77		Lbyy						Lateral
41	CORNER2	L4X4X4	5.54	2.77		Lbyy						Lateral
42	CORNER1	L4X4X4	5.54	2.77		Lbyy						Lateral
43	CONNECTI...	6X.25	.75			Lbyy						Lateral
44	CONNECTI...	6X.25	.75			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
45	CONNECTI...	6X.25	.75			Lbyy					Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design...
1	SO3B	N14	N125A		360	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
2	SO3A	N128A	N14		360	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
3	SO2B	N32	N131		360	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
4	SO2A	N130	N32		360	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
5	SO1B	N18	N128		360	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
6	SO1A	N132	N18		360	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
7	RAIL3	N51	N52		90	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
8	RAIL2	N43	N44		90	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
9	RAIL1	N47	N48		270	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
10	PLATE3	N11	N12		90	5x0.5	Beam	RECT	A36 Gr.36	Typical
11	PLATE2	N29	N30		90	5x0.5	Beam	RECT	A36 Gr.36	Typical
12	PLATE1	N15A	N16		90	5x0.5	Beam	RECT	A36 Gr.36	Typical
13	MP GAMMA6	N101	N128B			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
14	MP GAMMA4	N160A	N161A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
15	MP GAMMA3	N89	N127			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
16	MP GAMMA2	N147	N148			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
17	MP GAMMA1	N142A	N143A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
18	MP GAMMA5	N166	N165			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
19	MP BETA6	N126	N130A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
20	MP BETA5	N160	N159			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
21	MP BETA4	N167	N168			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
22	MP BETA3	N114	N129			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
23	MP BETA2	N141	N142			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
24	MP BETA1	N149	N150			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
25	MP ALPHA6	N76	N126A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
26	MP ALPHA5	N154	N153			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
27	MP ALPHA4	N153A	N154A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
28	MP ALPHA3	N64	N125			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
29	MP ALPHA2	N135	N136			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
30	MP ALPHA1	N135A	N136A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
31	FACE3	N38	N39		90	C6X8.2	Beam	Channel	A36 Gr.36	Typical
32	FACE2	N10A	N11A		90	C6X8.2	Beam	Channel	A36 Gr.36	Typical
33	FACE1	N24	N25		270	C6X8.2	Beam	Channel	A36 Gr.36	Typical
34	CRPLATE6	N12A	N13A		90	4.5x0.5	Beam	RECT	A36 Gr.36	Typical
35	CRPLATE5	N10	N15		90	4.5x0.5	Beam	RECT	A36 Gr.36	Typical
36	CRPLATE4	N37	N40		90	4.5x0.5	Beam	RECT	A36 Gr.36	Typical
37	CRPLATE3	N36	N41		90	4.5x0.5	Beam	RECT	A36 Gr.36	Typical
38	CRPLATE2	N23	N26		90	4.5x0.5	Beam	RECT	A36 Gr.36	Typical
39	CRPLATE1	N22	N27		90	4.5x0.5	Beam	RECT	A36 Gr.36	Typical
40	CORNER3	N10	N12A		360	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical
41	CORNER2	N36	N37		180	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical
42	CORNER1	N22	N23		180	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical
43	CONNECTION3	N41A	N42		360	6X.25	Beam	RECT	A36 Gr.36	Typical
44	CONNECTION2	N49	N50		360	6X.25	Beam	RECT	A36 Gr.36	Typical
45	CONNECTION1	N45	N46		360	6X.25	Beam	RECT	A36 Gr.36	Typical
46	42	N166A	N164A		360	RIGID	None	None	RIGID	Typical
47	41	N165A	N163A		360	RIGID	None	None	RIGID	Typical
48	40	N159A	N157A		360	RIGID	None	None	RIGID	Typical
49	39	N158A	N156A		360	RIGID	None	None	RIGID	Typical
50	38	N152A	N150B		360	RIGID	None	None	RIGID	Typical
51	37	N151A	N149B		360	RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design...
52	36	N164	N162		360	RIGID	None	None	RIGID	Typical
53	35	N163	N161		360	RIGID	None	None	RIGID	Typical
54	34	N158	N156		360	RIGID	None	None	RIGID	Typical
55	33	N157	N155		360	RIGID	None	None	RIGID	Typical
56	32	N152	N150A		360	RIGID	None	None	RIGID	Typical
57	31	N151	N149A		360	RIGID	None	None	RIGID	Typical
58	30	N35	N33			RIGID	None	None	RIGID	Typical
59	29	N95	N19			RIGID	None	None	RIGID	Typical
60	28	N21	N19A			RIGID	None	None	RIGID	Typical
61	27	N148A	N146A		360	RIGID	None	None	RIGID	Typical
62	26	N147A	N145A		360	RIGID	None	None	RIGID	Typical
63	25	N141A	N139A		360	RIGID	None	None	RIGID	Typical
64	24	N140A	N138A		360	RIGID	None	None	RIGID	Typical
65	23	N134A	N132A		360	RIGID	None	None	RIGID	Typical
66	22	N133	N131A		360	RIGID	None	None	RIGID	Typical
67	21	N146	N144		360	RIGID	None	None	RIGID	Typical
68	20	N145	N143		360	RIGID	None	None	RIGID	Typical
69	19	N140	N138		360	RIGID	None	None	RIGID	Typical
70	18	N139	N137		360	RIGID	None	None	RIGID	Typical
71	17	N134	N132B		360	RIGID	None	None	RIGID	Typical
72	16	N133A	N131B		360	RIGID	None	None	RIGID	Typical
73	15	N123	N121		360	RIGID	None	None	RIGID	Typical
74	14	N124	N122		360	RIGID	None	None	RIGID	Typical
75	13	N111	N109		360	RIGID	None	None	RIGID	Typical
76	12	N112	N110		360	RIGID	None	None	RIGID	Typical
77	11	N98	N96		360	RIGID	None	None	RIGID	Typical
78	10	N99	N97		360	RIGID	None	None	RIGID	Typical
79	9	N86	N84		360	RIGID	None	None	RIGID	Typical
80	8	N87	N85		360	RIGID	None	None	RIGID	Typical
81	7	N73	N71		360	RIGID	None	None	RIGID	Typical
82	6	N74	N72		360	RIGID	None	None	RIGID	Typical
83	5	N61	N59		360	RIGID	None	None	RIGID	Typical
84	4	N62	N60		360	RIGID	None	None	RIGID	Typical
85	3	N31	N34			RIGID	None	None	RIGID	Typical
86	2	N17A	N20			RIGID	None	None	RIGID	Typical
87	1	N13	N92			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	SO3B						Yes				None
2	SO3A						Yes	Default			None
3	SO2B						Yes				None
4	SO2A						Yes				None
5	SO1B						Yes				None
6	SO1A						Yes				None
7	RAIL3						Yes				None
8	RAIL2						Yes				None
9	RAIL1						Yes				None
10	PLATE3						Yes				None
11	PLATE2						Yes				None
12	PLATE1						Yes				None
13	MP GAMM...						Yes				None
14	MP GAMM...						Yes				None
15	MP GAMM...						Yes				None
16	MP GAMM...						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
17	MP GAMM...						Yes				None
18	MP GAMA...						Yes				None
19	MP BETA6						Yes				None
20	MP BETA5						Yes				None
21	MP BETA4						Yes				None
22	MP BETA3						Yes				None
23	MP BETA2						Yes				None
24	MP BETA1						Yes				None
25	MP ALPHA6						Yes				None
26	MP ALPHA5						Yes				None
27	MP ALPHA4						Yes				None
28	MP ALPHA3						Yes				None
29	MP ALPHA2						Yes				None
30	MP ALPHA1						Yes				None
31	FACE3						Yes				None
32	FACE2						Yes				None
33	FACE1						Yes				None
34	CRPLATE6						Yes				None
35	CRPLATE5						Yes				None
36	CRPLATE4						Yes				None
37	CRPLATE3						Yes				None
38	CRPLATE2						Yes				None
39	CRPLATE1						Yes				None
40	CORNER3						Yes				None
41	CORNER2						Yes	Default			None
42	CORNER1						Yes				None
43	CONNECTI...						Yes				None
44	CONNECTI...						Yes				None
45	CONNECTI...						Yes				None
46	42	OOOXOO					Yes	** NA **			None
47	41						Yes	** NA **			None
48	40	OOOXOO					Yes	** NA **			None
49	39						Yes	** NA **			None
50	38	OOOXOO					Yes	** NA **			None
51	37						Yes	** NA **			None
52	36	OOOXOO					Yes	** NA **			None
53	35						Yes	** NA **			None
54	34	OOOXOO					Yes	** NA **			None
55	33						Yes	** NA **			None
56	32	OOOXOO					Yes	** NA **			None
57	31						Yes	** NA **			None
58	30						Yes	** NA **			None
59	29						Yes	** NA **			None
60	28						Yes	** NA **			None
61	27	OOOXOO					Yes	** NA **			None
62	26						Yes	** NA **			None
63	25	OOOXOO					Yes	** NA **			None
64	24						Yes	** NA **			None
65	23	OOOXOO					Yes	** NA **			None
66	22						Yes	** NA **			None
67	21	OOOXOO					Yes	** NA **			None
68	20						Yes	** NA **			None
69	19	OOOXOO					Yes	** NA **			None
70	18						Yes	** NA **			None
71	17	OOOXOO					Yes	** NA **			None
72	16						Yes	** NA **			None
73	15						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
74	14	OOOXOO					Yes	** NA **			None
75	13						Yes	** NA **			None
76	12	OOOXOO					Yes	** NA **			None
77	11						Yes	** NA **			None
78	10	OOOXOO					Yes	** NA **			None
79	9						Yes	** NA **			None
80	8	OOOXOO					Yes	** NA **			None
81	7						Yes	** NA **			None
82	6	OOOXOO					Yes	** NA **			None
83	5						Yes	** NA **			None
84	4	OOOXOO					Yes	** NA **			None
85	3						Yes	** NA **			None
86	2						Yes	** NA **			None
87	1						Yes	** NA **			None

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	-.106	3.5
2	MP ALPHA3	Y	-.106	2.5
3	MP BETA3	Y	-.057	3.5
4	MP BETA3	Y	-.057	2.5
5	MP GAMMA3	Y	-.057	3.5
6	MP GAMMA3	Y	-.057	2.5
7	MP ALPHA2	Y	-.295	7.75
8	MP ALPHA2	Y	-.295	1.75
9	MP ALPHA2	Y	-.104	4.75
10	MP BETA2	Y	-.154	7.75
11	MP BETA2	Y	-.154	1.75
12	MP BETA2	Y	-.064	4.75
13	MP GAMMA2	Y	-.154	7.75
14	MP GAMMA2	Y	-.154	1.75
15	MP GAMMA2	Y	-.064	4.75
16	MP ALPHA5	Y	-.126	6.25
17	MP ALPHA5	Y	-.126	3.25
18	MP ALPHA5	Y	-.077	4.75
19	MP BETA5	Y	-.054	6.25
20	MP BETA5	Y	-.054	3.25
21	MP BETA5	Y	-.065	4.75
22	MP GAMMA5	Y	-.054	6.25
23	MP GAMMA5	Y	-.054	3.25
24	MP GAMMA5	Y	-.065	4.75

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.057	3.5
2	MP ALPHA3	Z	-.057	2.5
3	MP BETA3	Z	-.057	3.5
4	MP BETA3	Z	-.057	2.5
5	MP GAMMA3	Z	-.057	3.5
6	MP GAMMA3	Z	-.057	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
7	MP ALPHA2	Z	-.075	7.75
8	MP ALPHA2	Z	-.075	1.75
9	MP ALPHA2	Z	-.081	4.75
10	MP BETA2	Z	-.075	7.75
11	MP BETA2	Z	-.075	1.75
12	MP BETA2	Z	-.081	4.75
13	MP GAMMA2	Z	-.075	7.75
14	MP GAMMA2	Z	-.075	1.75
15	MP GAMMA2	Z	-.081	4.75
16	MP ALPHA5	Z	-.02	6.25
17	MP ALPHA5	Z	-.02	3.25
18	MP ALPHA5	Z	-.109	4.75
19	MP BETA5	Z	-.02	6.25
20	MP BETA5	Z	-.02	3.25
21	MP BETA5	Z	-.109	4.75
22	MP GAMMA5	Z	-.02	6.25
23	MP GAMMA5	Z	-.02	3.25
24	MP GAMMA5	Z	-.109	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.078	3.5
2	MP ALPHA3	Y	-.078	2.5
3	MP ALPHA3	X	-.045	3.5
4	MP ALPHA3	X	-.045	2.5
5	MP BETA3	Y	-.035	3.5
6	MP BETA3	Y	-.035	2.5
7	MP BETA3	X	-.02	3.5
8	MP BETA3	X	-.02	2.5
9	MP GAMMA3	Y	-.078	3.5
10	MP GAMMA3	Y	-.078	2.5
11	MP GAMMA3	X	-.045	3.5
12	MP GAMMA3	X	-.045	2.5
13	MP ALPHA2	Y	-.215	7.75
14	MP ALPHA2	Y	-.215	1.75
15	MP ALPHA2	X	-.124	7.75
16	MP ALPHA2	X	-.124	1.75
17	MP ALPHA2	Y	-.079	4.75
18	MP ALPHA2	X	-.045	4.75
19	MP BETA2	Y	-.093	7.75
20	MP BETA2	Y	-.093	1.75
21	MP BETA2	X	-.054	7.75
22	MP BETA2	X	-.054	1.75
23	MP BETA2	Y	-.044	4.75
24	MP BETA2	X	-.025	4.75
25	MP GAMMA2	Y	-.215	7.75
26	MP GAMMA2	Y	-.215	1.75
27	MP GAMMA2	X	-.124	7.75
28	MP GAMMA2	X	-.124	1.75
29	MP GAMMA2	Y	-.079	4.75
30	MP GAMMA2	X	-.045	4.75
31	MP ALPHA5	Y	-.088	6.25
32	MP ALPHA5	Y	-.088	3.25
33	MP ALPHA5	X	-.051	6.25
34	MP ALPHA5	X	-.051	3.25
35	MP ALPHA5	Y	-.064	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
36	MP ALPHA5	X	-.037	4.75
37	MP BETA5	Y	-.026	6.25
38	MP BETA5	Y	-.026	3.25
39	MP BETA5	X	-.015	6.25
40	MP BETA5	X	-.015	3.25
41	MP BETA5	Y	-.053	4.75
42	MP BETA5	X	-.031	4.75
43	MP GAMAM5	Y	-.088	6.25
44	MP GAMAM5	Y	-.088	3.25
45	MP GAMAM5	X	-.051	6.25
46	MP GAMAM5	X	-.051	3.25
47	MP GAMAM5	Y	-.064	4.75
48	MP GAMAM5	X	-.037	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.029	3.5
2	MP ALPHA3	Y	-.029	2.5
3	MP ALPHA3	X	-.049	3.5
4	MP ALPHA3	X	-.049	2.5
5	MP BETA3	Y	-.029	3.5
6	MP BETA3	Y	-.029	2.5
7	MP BETA3	X	-.049	3.5
8	MP BETA3	X	-.049	2.5
9	MP GAMMA3	Y	-.053	3.5
10	MP GAMMA3	Y	-.053	2.5
11	MP GAMMA3	X	-.092	3.5
12	MP GAMMA3	X	-.092	2.5
13	MP ALPHA2	Y	-.077	7.75
14	MP ALPHA2	Y	-.077	1.75
15	MP ALPHA2	X	-.133	7.75
16	MP ALPHA2	X	-.133	1.75
17	MP ALPHA2	Y	-.032	4.75
18	MP ALPHA2	X	-.055	4.75
19	MP BETA2	Y	-.077	7.75
20	MP BETA2	Y	-.077	1.75
21	MP BETA2	X	-.133	7.75
22	MP BETA2	X	-.133	1.75
23	MP BETA2	Y	-.032	4.75
24	MP BETA2	X	-.055	4.75
25	MP GAMMA2	Y	-.148	7.75
26	MP GAMMA2	Y	-.148	1.75
27	MP GAMMA2	X	-.256	7.75
28	MP GAMMA2	X	-.256	1.75
29	MP GAMMA2	Y	-.052	4.75
30	MP GAMMA2	X	-.09	4.75
31	MP ALPHA5	Y	-.027	6.25
32	MP ALPHA5	Y	-.027	3.25
33	MP ALPHA5	X	-.047	6.25
34	MP ALPHA5	X	-.047	3.25
35	MP ALPHA5	Y	-.033	4.75
36	MP ALPHA5	X	-.056	4.75
37	MP BETA5	Y	-.027	6.25
38	MP BETA5	Y	-.027	3.25
39	MP BETA5	X	-.047	6.25
40	MP BETA5	X	-.047	3.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
41	MP BETA5	Y	-.033	4.75
42	MP BETA5	X	-.056	4.75
43	MP GAMAM5	Y	-.063	6.25
44	MP GAMAM5	Y	-.063	3.25
45	MP GAMAM5	X	-.109	6.25
46	MP GAMAM5	X	-.109	3.25
47	MP GAMAM5	Y	-.039	4.75
48	MP GAMAM5	X	-.067	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.041	3.5
2	MP ALPHA3	X	-.041	2.5
3	MP BETA3	X	-.09	3.5
4	MP BETA3	X	-.09	2.5
5	MP GAMMA3	X	-.09	3.5
6	MP GAMMA3	X	-.09	2.5
7	MP ALPHA2	X	-.107	7.75
8	MP ALPHA2	X	-.107	1.75
9	MP ALPHA2	X	-.051	4.75
10	MP BETA2	X	-.248	7.75
11	MP BETA2	X	-.248	1.75
12	MP BETA2	X	-.091	4.75
13	MP GAMMA2	X	-.248	7.75
14	MP GAMMA2	X	-.248	1.75
15	MP GAMMA2	X	-.091	4.75
16	MP ALPHA5	X	-.03	6.25
17	MP ALPHA5	X	-.03	3.25
18	MP ALPHA5	X	-.061	4.75
19	MP BETA5	X	-.102	6.25
20	MP BETA5	X	-.102	3.25
21	MP BETA5	X	-.073	4.75
22	MP GAMAM5	X	-.102	6.25
23	MP GAMAM5	X	-.102	3.25
24	MP GAMAM5	X	-.073	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.029	3.5
2	MP ALPHA3	Y	.029	2.5
3	MP ALPHA3	X	-.049	3.5
4	MP ALPHA3	X	-.049	2.5
5	MP BETA3	Y	.053	3.5
6	MP BETA3	Y	.053	2.5
7	MP BETA3	X	-.092	3.5
8	MP BETA3	X	-.092	2.5
9	MP GAMMA3	Y	.029	3.5
10	MP GAMMA3	Y	.029	2.5
11	MP GAMMA3	X	-.049	3.5
12	MP GAMMA3	X	-.049	2.5
13	MP ALPHA2	Y	.077	7.75
14	MP ALPHA2	Y	.077	1.75
15	MP ALPHA2	X	-.133	7.75
16	MP ALPHA2	X	-.133	1.75
17	MP ALPHA2	Y	.032	4.75
18	MP ALPHA2	X	-.055	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
19	MP BETA2	Y	.148	7.75
20	MP BETA2	Y	.148	1.75
21	MP BETA2	X	-.256	7.75
22	MP BETA2	X	-.256	1.75
23	MP BETA2	Y	.052	4.75
24	MP BETA2	X	-.09	4.75
25	MP GAMMA2	Y	.077	7.75
26	MP GAMMA2	Y	.077	1.75
27	MP GAMMA2	X	-.133	7.75
28	MP GAMMA2	X	-.133	1.75
29	MP GAMMA2	Y	.032	4.75
30	MP GAMMA2	X	-.055	4.75
31	MP ALPHA5	Y	.027	6.25
32	MP ALPHA5	Y	.027	3.25
33	MP ALPHA5	X	-.047	6.25
34	MP ALPHA5	X	-.047	3.25
35	MP ALPHA5	Y	.033	4.75
36	MP ALPHA5	X	-.056	4.75
37	MP BETA5	Y	.063	6.25
38	MP BETA5	Y	.063	3.25
39	MP BETA5	X	-.109	6.25
40	MP BETA5	X	-.109	3.25
41	MP BETA5	Y	.039	4.75
42	MP BETA5	X	-.067	4.75
43	MP GAMMA5	Y	.027	6.25
44	MP GAMMA5	Y	.027	3.25
45	MP GAMMA5	X	-.047	6.25
46	MP GAMMA5	X	-.047	3.25
47	MP GAMMA5	Y	.033	4.75
48	MP GAMMA5	X	-.056	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.078	3.5
2	MP ALPHA3	Y	.078	2.5
3	MP ALPHA3	X	-.045	3.5
4	MP ALPHA3	X	-.045	2.5
5	MP BETA3	Y	.078	3.5
6	MP BETA3	Y	.078	2.5
7	MP BETA3	X	-.045	3.5
8	MP BETA3	X	-.045	2.5
9	MP GAMMA3	Y	.035	3.5
10	MP GAMMA3	Y	.035	2.5
11	MP GAMMA3	X	-.02	3.5
12	MP GAMMA3	X	-.02	2.5
13	MP ALPHA2	Y	.215	7.75
14	MP ALPHA2	Y	.215	1.75
15	MP ALPHA2	X	-.124	7.75
16	MP ALPHA2	X	-.124	1.75
17	MP ALPHA2	Y	.079	4.75
18	MP ALPHA2	X	-.045	4.75
19	MP BETA2	Y	.215	7.75
20	MP BETA2	Y	.215	1.75
21	MP BETA2	X	-.124	7.75
22	MP BETA2	X	-.124	1.75
23	MP BETA2	Y	.079	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP BETA2	X	-.045	4.75
25	MP GAMMA2	Y	.093	7.75
26	MP GAMMA2	Y	.093	1.75
27	MP GAMMA2	X	-.054	7.75
28	MP GAMMA2	X	-.054	1.75
29	MP GAMMA2	Y	.044	4.75
30	MP GAMMA2	X	-.025	4.75
31	MP ALPHA5	Y	.088	6.25
32	MP ALPHA5	Y	.088	3.25
33	MP ALPHA5	X	-.051	6.25
34	MP ALPHA5	X	-.051	3.25
35	MP ALPHA5	Y	.064	4.75
36	MP ALPHA5	X	-.037	4.75
37	MP BETA5	Y	.088	6.25
38	MP BETA5	Y	.088	3.25
39	MP BETA5	X	-.051	6.25
40	MP BETA5	X	-.051	3.25
41	MP BETA5	Y	.064	4.75
42	MP BETA5	X	-.037	4.75
43	MP GAMAM5	Y	.026	6.25
44	MP GAMAM5	Y	.026	3.25
45	MP GAMAM5	X	-.015	6.25
46	MP GAMAM5	X	-.015	3.25
47	MP GAMAM5	Y	.053	4.75
48	MP GAMAM5	X	-.031	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.106	3.5
2	MP ALPHA3	Y	.106	2.5
3	MP BETA3	Y	.057	3.5
4	MP BETA3	Y	.057	2.5
5	MP GAMMA3	Y	.057	3.5
6	MP GAMMA3	Y	.057	2.5
7	MP ALPHA2	Y	.295	7.75
8	MP ALPHA2	Y	.295	1.75
9	MP ALPHA2	Y	.104	4.75
10	MP BETA2	Y	.154	7.75
11	MP BETA2	Y	.154	1.75
12	MP BETA2	Y	.064	4.75
13	MP GAMMA2	Y	.154	7.75
14	MP GAMMA2	Y	.154	1.75
15	MP GAMMA2	Y	.064	4.75
16	MP ALPHA5	Y	.126	6.25
17	MP ALPHA5	Y	.126	3.25
18	MP ALPHA5	Y	.077	4.75
19	MP BETA5	Y	.054	6.25
20	MP BETA5	Y	.054	3.25
21	MP BETA5	Y	.065	4.75
22	MP GAMAM5	Y	.054	6.25
23	MP GAMAM5	Y	.054	3.25
24	MP GAMAM5	Y	.065	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.078	3.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
2	MP ALPHA3	Y	.078	2.5
3	MP ALPHA3	X	.045	3.5
4	MP ALPHA3	X	.045	2.5
5	MP BETA3	Y	.035	3.5
6	MP BETA3	Y	.035	2.5
7	MP BETA3	X	.02	3.5
8	MP BETA3	X	.02	2.5
9	MP GAMMA3	Y	.078	3.5
10	MP GAMMA3	Y	.078	2.5
11	MP GAMMA3	X	.045	3.5
12	MP GAMMA3	X	.045	2.5
13	MP ALPHA2	Y	.215	7.75
14	MP ALPHA2	Y	.215	1.75
15	MP ALPHA2	X	.124	7.75
16	MP ALPHA2	X	.124	1.75
17	MP ALPHA2	Y	.079	4.75
18	MP ALPHA2	X	.045	4.75
19	MP BETA2	Y	.093	7.75
20	MP BETA2	Y	.093	1.75
21	MP BETA2	X	.054	7.75
22	MP BETA2	X	.054	1.75
23	MP BETA2	Y	.044	4.75
24	MP BETA2	X	.025	4.75
25	MP GAMMA2	Y	.215	7.75
26	MP GAMMA2	Y	.215	1.75
27	MP GAMMA2	X	.124	7.75
28	MP GAMMA2	X	.124	1.75
29	MP GAMMA2	Y	.079	4.75
30	MP GAMMA2	X	.045	4.75
31	MP ALPHA5	Y	.088	6.25
32	MP ALPHA5	Y	.088	3.25
33	MP ALPHA5	X	.051	6.25
34	MP ALPHA5	X	.051	3.25
35	MP ALPHA5	Y	.064	4.75
36	MP ALPHA5	X	.037	4.75
37	MP BETA5	Y	.026	6.25
38	MP BETA5	Y	.026	3.25
39	MP BETA5	X	.015	6.25
40	MP BETA5	X	.015	3.25
41	MP BETA5	Y	.053	4.75
42	MP BETA5	X	.031	4.75
43	MP GAMAM5	Y	.088	6.25
44	MP GAMAM5	Y	.088	3.25
45	MP GAMAM5	X	.051	6.25
46	MP GAMAM5	X	.051	3.25
47	MP GAMAM5	Y	.064	4.75
48	MP GAMAM5	X	.037	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.029	3.5
2	MP ALPHA3	Y	.029	2.5
3	MP ALPHA3	X	.049	3.5
4	MP ALPHA3	X	.049	2.5
5	MP BETA3	Y	.029	3.5
6	MP BETA3	Y	.029	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
7	MP BETA3	X	.049	3.5
8	MP BETA3	X	.049	2.5
9	MP GAMMA3	Y	.053	3.5
10	MP GAMMA3	Y	.053	2.5
11	MP GAMMA3	X	.092	3.5
12	MP GAMMA3	X	.092	2.5
13	MP ALPHA2	Y	.077	7.75
14	MP ALPHA2	Y	.077	1.75
15	MP ALPHA2	X	.133	7.75
16	MP ALPHA2	X	.133	1.75
17	MP ALPHA2	Y	.032	4.75
18	MP ALPHA2	X	.055	4.75
19	MP BETA2	Y	.077	7.75
20	MP BETA2	Y	.077	1.75
21	MP BETA2	X	.133	7.75
22	MP BETA2	X	.133	1.75
23	MP BETA2	Y	.032	4.75
24	MP BETA2	X	.055	4.75
25	MP GAMMA2	Y	.148	7.75
26	MP GAMMA2	Y	.148	1.75
27	MP GAMMA2	X	.256	7.75
28	MP GAMMA2	X	.256	1.75
29	MP GAMMA2	Y	.052	4.75
30	MP GAMMA2	X	.09	4.75
31	MP ALPHA5	Y	.027	6.25
32	MP ALPHA5	Y	.027	3.25
33	MP ALPHA5	X	.047	6.25
34	MP ALPHA5	X	.047	3.25
35	MP ALPHA5	Y	.033	4.75
36	MP ALPHA5	X	.056	4.75
37	MP BETA5	Y	.027	6.25
38	MP BETA5	Y	.027	3.25
39	MP BETA5	X	.047	6.25
40	MP BETA5	X	.047	3.25
41	MP BETA5	Y	.033	4.75
42	MP BETA5	X	.056	4.75
43	MP GAMMA5	Y	.063	6.25
44	MP GAMMA5	Y	.063	3.25
45	MP GAMMA5	X	.109	6.25
46	MP GAMMA5	X	.109	3.25
47	MP GAMMA5	Y	.039	4.75
48	MP GAMMA5	X	.067	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	.041	3.5
2	MP ALPHA3	X	.041	2.5
3	MP BETA3	X	.09	3.5
4	MP BETA3	X	.09	2.5
5	MP GAMMA3	X	.09	3.5
6	MP GAMMA3	X	.09	2.5
7	MP ALPHA2	X	.107	7.75
8	MP ALPHA2	X	.107	1.75
9	MP ALPHA2	X	.051	4.75
10	MP BETA2	X	.248	7.75
11	MP BETA2	X	.248	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP BETA2	X	.091	4.75
13	MP GAMMA2	X	.248	7.75
14	MP GAMMA2	X	.248	1.75
15	MP GAMMA2	X	.091	4.75
16	MP ALPHA5	X	.03	6.25
17	MP ALPHA5	X	.03	3.25
18	MP ALPHA5	X	.061	4.75
19	MP BETA5	X	.102	6.25
20	MP BETA5	X	.102	3.25
21	MP BETA5	X	.073	4.75
22	MP GAMMA5	X	.102	6.25
23	MP GAMMA5	X	.102	3.25
24	MP GAMMA5	X	.073	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.029	3.5
2	MP ALPHA3	Y	-.029	2.5
3	MP ALPHA3	X	.049	3.5
4	MP ALPHA3	X	.049	2.5
5	MP BETA3	Y	-.053	3.5
6	MP BETA3	Y	-.053	2.5
7	MP BETA3	X	.092	3.5
8	MP BETA3	X	.092	2.5
9	MP GAMMA3	Y	-.029	3.5
10	MP GAMMA3	Y	-.029	2.5
11	MP GAMMA3	X	.049	3.5
12	MP GAMMA3	X	.049	2.5
13	MP ALPHA2	Y	-.077	7.75
14	MP ALPHA2	Y	-.077	1.75
15	MP ALPHA2	X	.133	7.75
16	MP ALPHA2	X	.133	1.75
17	MP ALPHA2	Y	-.032	4.75
18	MP ALPHA2	X	.055	4.75
19	MP BETA2	Y	-.148	7.75
20	MP BETA2	Y	-.148	1.75
21	MP BETA2	X	.256	7.75
22	MP BETA2	X	.256	1.75
23	MP BETA2	Y	-.052	4.75
24	MP BETA2	X	.09	4.75
25	MP GAMMA2	Y	-.077	7.75
26	MP GAMMA2	Y	-.077	1.75
27	MP GAMMA2	X	.133	7.75
28	MP GAMMA2	X	.133	1.75
29	MP GAMMA2	Y	-.032	4.75
30	MP GAMMA2	X	.055	4.75
31	MP ALPHA5	Y	-.027	6.25
32	MP ALPHA5	Y	-.027	3.25
33	MP ALPHA5	X	.047	6.25
34	MP ALPHA5	X	.047	3.25
35	MP ALPHA5	Y	-.033	4.75
36	MP ALPHA5	X	.056	4.75
37	MP BETA5	Y	-.063	6.25
38	MP BETA5	Y	-.063	3.25
39	MP BETA5	X	.109	6.25
40	MP BETA5	X	.109	3.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
41	MP BETA5	Y	-.039	4.75
42	MP BETA5	X	.067	4.75
43	MP GAMAM5	Y	-.027	6.25
44	MP GAMAM5	Y	-.027	3.25
45	MP GAMAM5	X	.047	6.25
46	MP GAMAM5	X	.047	3.25
47	MP GAMAM5	Y	-.033	4.75
48	MP GAMAM5	X	.056	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.078	3.5
2	MP ALPHA3	Y	-.078	2.5
3	MP ALPHA3	X	.045	3.5
4	MP ALPHA3	X	.045	2.5
5	MP BETA3	Y	-.078	3.5
6	MP BETA3	Y	-.078	2.5
7	MP BETA3	X	.045	3.5
8	MP BETA3	X	.045	2.5
9	MP GAMMA3	Y	-.035	3.5
10	MP GAMMA3	Y	-.035	2.5
11	MP GAMMA3	X	.02	3.5
12	MP GAMMA3	X	.02	2.5
13	MP ALPHA2	Y	-.215	7.75
14	MP ALPHA2	Y	-.215	1.75
15	MP ALPHA2	X	.124	7.75
16	MP ALPHA2	X	.124	1.75
17	MP ALPHA2	Y	-.079	4.75
18	MP ALPHA2	X	.045	4.75
19	MP BETA2	Y	-.215	7.75
20	MP BETA2	Y	-.215	1.75
21	MP BETA2	X	.124	7.75
22	MP BETA2	X	.124	1.75
23	MP BETA2	Y	-.079	4.75
24	MP BETA2	X	.045	4.75
25	MP GAMMA2	Y	-.093	7.75
26	MP GAMMA2	Y	-.093	1.75
27	MP GAMMA2	X	.054	7.75
28	MP GAMMA2	X	.054	1.75
29	MP GAMMA2	Y	-.044	4.75
30	MP GAMMA2	X	.025	4.75
31	MP ALPHA5	Y	-.088	6.25
32	MP ALPHA5	Y	-.088	3.25
33	MP ALPHA5	X	.051	6.25
34	MP ALPHA5	X	.051	3.25
35	MP ALPHA5	Y	-.064	4.75
36	MP ALPHA5	X	.037	4.75
37	MP BETA5	Y	-.088	6.25
38	MP BETA5	Y	-.088	3.25
39	MP BETA5	X	.051	6.25
40	MP BETA5	X	.051	3.25
41	MP BETA5	Y	-.064	4.75
42	MP BETA5	X	.037	4.75
43	MP GAMAM5	Y	-.026	6.25
44	MP GAMAM5	Y	-.026	3.25
45	MP GAMAM5	X	.015	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
46	MP GAMAM5	X	.015	3.25
47	MP GAMAM5	Y	-.053	4.75
48	MP GAMAM5	X	.031	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.006	3.5
2	MP ALPHA3	Y	-.006	2.5
3	MP BETA3	Y	-.003	3.5
4	MP BETA3	Y	-.003	2.5
5	MP GAMMA3	Y	-.003	3.5
6	MP GAMMA3	Y	-.003	2.5
7	MP ALPHA2	Y	-.017	7.75
8	MP ALPHA2	Y	-.017	1.75
9	MP ALPHA2	Y	-.006	4.75
10	MP BETA2	Y	-.009	7.75
11	MP BETA2	Y	-.009	1.75
12	MP BETA2	Y	-.004	4.75
13	MP GAMMA2	Y	-.009	7.75
14	MP GAMMA2	Y	-.009	1.75
15	MP GAMMA2	Y	-.004	4.75
16	MP ALPHA5	Y	-.007	6.25
17	MP ALPHA5	Y	-.007	3.25
18	MP ALPHA5	Y	-.005	4.75
19	MP BETA5	Y	-.003	6.25
20	MP BETA5	Y	-.003	3.25
21	MP BETA5	Y	-.004	4.75
22	MP GAMAM5	Y	-.003	6.25
23	MP GAMAM5	Y	-.003	3.25
24	MP GAMAM5	Y	-.004	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.005	3.5
2	MP ALPHA3	Y	-.005	2.5
3	MP ALPHA3	X	-.003	3.5
4	MP ALPHA3	X	-.003	2.5
5	MP BETA3	Y	-.002	3.5
6	MP BETA3	Y	-.002	2.5
7	MP BETA3	X	-.001	3.5
8	MP BETA3	X	-.001	2.5
9	MP GAMMA3	Y	-.005	3.5
10	MP GAMMA3	Y	-.005	2.5
11	MP GAMMA3	X	-.003	3.5
12	MP GAMMA3	X	-.003	2.5
13	MP ALPHA2	Y	-.013	7.75
14	MP ALPHA2	Y	-.013	1.75
15	MP ALPHA2	X	-.007	7.75
16	MP ALPHA2	X	-.007	1.75
17	MP ALPHA2	Y	-.005	4.75
18	MP ALPHA2	X	-.003	4.75
19	MP BETA2	Y	-.005	7.75
20	MP BETA2	Y	-.005	1.75
21	MP BETA2	X	-.003	7.75
22	MP BETA2	X	-.003	1.75
23	MP BETA2	Y	-.003	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP BETA2	X	-.001	4.75
25	MP GAMMA2	Y	-.013	7.75
26	MP GAMMA2	Y	-.013	1.75
27	MP GAMMA2	X	-.007	7.75
28	MP GAMMA2	X	-.007	1.75
29	MP GAMMA2	Y	-.005	4.75
30	MP GAMMA2	X	-.003	4.75
31	MP ALPHA5	Y	-.005	6.25
32	MP ALPHA5	Y	-.005	3.25
33	MP ALPHA5	X	-.003	6.25
34	MP ALPHA5	X	-.003	3.25
35	MP ALPHA5	Y	-.004	4.75
36	MP ALPHA5	X	-.002	4.75
37	MP BETA5	Y	-.002	6.25
38	MP BETA5	Y	-.002	3.25
39	MP BETA5	X	-.000883	6.25
40	MP BETA5	X	-.000883	3.25
41	MP BETA5	Y	-.003	4.75
42	MP BETA5	X	-.002	4.75
43	MP GAMMA5	Y	-.005	6.25
44	MP GAMMA5	Y	-.005	3.25
45	MP GAMMA5	X	-.003	6.25
46	MP GAMMA5	X	-.003	3.25
47	MP GAMMA5	Y	-.004	4.75
48	MP GAMMA5	X	-.002	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.002	3.5
2	MP ALPHA3	Y	-.002	2.5
3	MP ALPHA3	X	-.003	3.5
4	MP ALPHA3	X	-.003	2.5
5	MP BETA3	Y	-.002	3.5
6	MP BETA3	Y	-.002	2.5
7	MP BETA3	X	-.003	3.5
8	MP BETA3	X	-.003	2.5
9	MP GAMMA3	Y	-.003	3.5
10	MP GAMMA3	Y	-.003	2.5
11	MP GAMMA3	X	-.005	3.5
12	MP GAMMA3	X	-.005	2.5
13	MP ALPHA2	Y	-.005	7.75
14	MP ALPHA2	Y	-.005	1.75
15	MP ALPHA2	X	-.008	7.75
16	MP ALPHA2	X	-.008	1.75
17	MP ALPHA2	Y	-.002	4.75
18	MP ALPHA2	X	-.003	4.75
19	MP BETA2	Y	-.005	7.75
20	MP BETA2	Y	-.005	1.75
21	MP BETA2	X	-.008	7.75
22	MP BETA2	X	-.008	1.75
23	MP BETA2	Y	-.002	4.75
24	MP BETA2	X	-.003	4.75
25	MP GAMMA2	Y	-.009	7.75
26	MP GAMMA2	Y	-.009	1.75
27	MP GAMMA2	X	-.015	7.75
28	MP GAMMA2	X	-.015	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
29	MP GAMMA2	Y	-.003	4.75
30	MP GAMMA2	X	-.005	4.75
31	MP ALPHA5	Y	-.002	6.25
32	MP ALPHA5	Y	-.002	3.25
33	MP ALPHA5	X	-.003	6.25
34	MP ALPHA5	X	-.003	3.25
35	MP ALPHA5	Y	-.002	4.75
36	MP ALPHA5	X	-.003	4.75
37	MP BETA5	Y	-.002	6.25
38	MP BETA5	Y	-.002	3.25
39	MP BETA5	X	-.003	6.25
40	MP BETA5	X	-.003	3.25
41	MP BETA5	Y	-.002	4.75
42	MP BETA5	X	-.003	4.75
43	MP GAMAM5	Y	-.004	6.25
44	MP GAMAM5	Y	-.004	3.25
45	MP GAMAM5	X	-.006	6.25
46	MP GAMAM5	X	-.006	3.25
47	MP GAMAM5	Y	-.002	4.75
48	MP GAMAM5	X	-.004	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.002	3.5
2	MP ALPHA3	X	-.002	2.5
3	MP BETA3	X	-.005	3.5
4	MP BETA3	X	-.005	2.5
5	MP GAMMA3	X	-.005	3.5
6	MP GAMMA3	X	-.005	2.5
7	MP ALPHA2	X	-.006	7.75
8	MP ALPHA2	X	-.006	1.75
9	MP ALPHA2	X	-.003	4.75
10	MP BETA2	X	-.015	7.75
11	MP BETA2	X	-.015	1.75
12	MP BETA2	X	-.005	4.75
13	MP GAMMA2	X	-.015	7.75
14	MP GAMMA2	X	-.015	1.75
15	MP GAMMA2	X	-.005	4.75
16	MP ALPHA5	X	-.002	6.25
17	MP ALPHA5	X	-.002	3.25
18	MP ALPHA5	X	-.004	4.75
19	MP BETA5	X	-.006	6.25
20	MP BETA5	X	-.006	3.25
21	MP BETA5	X	-.004	4.75
22	MP GAMAM5	X	-.006	6.25
23	MP GAMAM5	X	-.006	3.25
24	MP GAMAM5	X	-.004	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.002	3.5
2	MP ALPHA3	Y	.002	2.5
3	MP ALPHA3	X	-.003	3.5
4	MP ALPHA3	X	-.003	2.5
5	MP BETA3	Y	.003	3.5
6	MP BETA3	Y	.003	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
7	MP BETA3	X	-.005	3.5
8	MP BETA3	X	-.005	2.5
9	MP GAMMA3	Y	.002	3.5
10	MP GAMMA3	Y	.002	2.5
11	MP GAMMA3	X	-.003	3.5
12	MP GAMMA3	X	-.003	2.5
13	MP ALPHA2	Y	.005	7.75
14	MP ALPHA2	Y	.005	1.75
15	MP ALPHA2	X	-.008	7.75
16	MP ALPHA2	X	-.008	1.75
17	MP ALPHA2	Y	.002	4.75
18	MP ALPHA2	X	-.003	4.75
19	MP BETA2	Y	.009	7.75
20	MP BETA2	Y	.009	1.75
21	MP BETA2	X	-.015	7.75
22	MP BETA2	X	-.015	1.75
23	MP BETA2	Y	.003	4.75
24	MP BETA2	X	-.005	4.75
25	MP GAMMA2	Y	.005	7.75
26	MP GAMMA2	Y	.005	1.75
27	MP GAMMA2	X	-.008	7.75
28	MP GAMMA2	X	-.008	1.75
29	MP GAMMA2	Y	.002	4.75
30	MP GAMMA2	X	-.003	4.75
31	MP ALPHA5	Y	.002	6.25
32	MP ALPHA5	Y	.002	3.25
33	MP ALPHA5	X	-.003	6.25
34	MP ALPHA5	X	-.003	3.25
35	MP ALPHA5	Y	.002	4.75
36	MP ALPHA5	X	-.003	4.75
37	MP BETA5	Y	.004	6.25
38	MP BETA5	Y	.004	3.25
39	MP BETA5	X	-.006	6.25
40	MP BETA5	X	-.006	3.25
41	MP BETA5	Y	.002	4.75
42	MP BETA5	X	-.004	4.75
43	MP GAMMA5	Y	.002	6.25
44	MP GAMMA5	Y	.002	3.25
45	MP GAMMA5	X	-.003	6.25
46	MP GAMMA5	X	-.003	3.25
47	MP GAMMA5	Y	.002	4.75
48	MP GAMMA5	X	-.003	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.005	3.5
2	MP ALPHA3	Y	.005	2.5
3	MP ALPHA3	X	-.003	3.5
4	MP ALPHA3	X	-.003	2.5
5	MP BETA3	Y	.005	3.5
6	MP BETA3	Y	.005	2.5
7	MP BETA3	X	-.003	3.5
8	MP BETA3	X	-.003	2.5
9	MP GAMMA3	Y	.002	3.5
10	MP GAMMA3	Y	.002	2.5
11	MP GAMMA3	X	-.001	3.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP GAMMA3	X	-.001	2.5
13	MP ALPHA2	Y	.013	7.75
14	MP ALPHA2	Y	.013	1.75
15	MP ALPHA2	X	-.007	7.75
16	MP ALPHA2	X	-.007	1.75
17	MP ALPHA2	Y	.005	4.75
18	MP ALPHA2	X	-.003	4.75
19	MP BETA2	Y	.013	7.75
20	MP BETA2	Y	.013	1.75
21	MP BETA2	X	-.007	7.75
22	MP BETA2	X	-.007	1.75
23	MP BETA2	Y	.005	4.75
24	MP BETA2	X	-.003	4.75
25	MP GAMMA2	Y	.005	7.75
26	MP GAMMA2	Y	.005	1.75
27	MP GAMMA2	X	-.003	7.75
28	MP GAMMA2	X	-.003	1.75
29	MP GAMMA2	Y	.003	4.75
30	MP GAMMA2	X	-.001	4.75
31	MP ALPHA5	Y	.005	6.25
32	MP ALPHA5	Y	.005	3.25
33	MP ALPHA5	X	-.003	6.25
34	MP ALPHA5	X	-.003	3.25
35	MP ALPHA5	Y	.004	4.75
36	MP ALPHA5	X	-.002	4.75
37	MP BETA5	Y	.005	6.25
38	MP BETA5	Y	.005	3.25
39	MP BETA5	X	-.003	6.25
40	MP BETA5	X	-.003	3.25
41	MP BETA5	Y	.004	4.75
42	MP BETA5	X	-.002	4.75
43	MP GAMAM5	Y	.002	6.25
44	MP GAMAM5	Y	.002	3.25
45	MP GAMAM5	X	-.000883	6.25
46	MP GAMAM5	X	-.000883	3.25
47	MP GAMAM5	Y	.003	4.75
48	MP GAMAM5	X	-.002	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.006	3.5
2	MP ALPHA3	Y	.006	2.5
3	MP BETA3	Y	.003	3.5
4	MP BETA3	Y	.003	2.5
5	MP GAMMA3	Y	.003	3.5
6	MP GAMMA3	Y	.003	2.5
7	MP ALPHA2	Y	.017	7.75
8	MP ALPHA2	Y	.017	1.75
9	MP ALPHA2	Y	.006	4.75
10	MP BETA2	Y	.009	7.75
11	MP BETA2	Y	.009	1.75
12	MP BETA2	Y	.004	4.75
13	MP GAMMA2	Y	.009	7.75
14	MP GAMMA2	Y	.009	1.75
15	MP GAMMA2	Y	.004	4.75
16	MP ALPHA5	Y	.007	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP ALPHA5	Y	.007	3.25
18	MP ALPHA5	Y	.005	4.75
19	MP BETA5	Y	.003	6.25
20	MP BETA5	Y	.003	3.25
21	MP BETA5	Y	.004	4.75
22	MP GAMAM5	Y	.003	6.25
23	MP GAMAM5	Y	.003	3.25
24	MP GAMAM5	Y	.004	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.005	3.5
2	MP ALPHA3	Y	.005	2.5
3	MP ALPHA3	X	.003	3.5
4	MP ALPHA3	X	.003	2.5
5	MP BETA3	Y	.002	3.5
6	MP BETA3	Y	.002	2.5
7	MP BETA3	X	.001	3.5
8	MP BETA3	X	.001	2.5
9	MP GAMMA3	Y	.005	3.5
10	MP GAMMA3	Y	.005	2.5
11	MP GAMMA3	X	.003	3.5
12	MP GAMMA3	X	.003	2.5
13	MP ALPHA2	Y	.013	7.75
14	MP ALPHA2	Y	.013	1.75
15	MP ALPHA2	X	.007	7.75
16	MP ALPHA2	X	.007	1.75
17	MP ALPHA2	Y	.005	4.75
18	MP ALPHA2	X	.003	4.75
19	MP BETA2	Y	.005	7.75
20	MP BETA2	Y	.005	1.75
21	MP BETA2	X	.003	7.75
22	MP BETA2	X	.003	1.75
23	MP BETA2	Y	.003	4.75
24	MP BETA2	X	.001	4.75
25	MP GAMMA2	Y	.013	7.75
26	MP GAMMA2	Y	.013	1.75
27	MP GAMMA2	X	.007	7.75
28	MP GAMMA2	X	.007	1.75
29	MP GAMMA2	Y	.005	4.75
30	MP GAMMA2	X	.003	4.75
31	MP ALPHA5	Y	.005	6.25
32	MP ALPHA5	Y	.005	3.25
33	MP ALPHA5	X	.003	6.25
34	MP ALPHA5	X	.003	3.25
35	MP ALPHA5	Y	.004	4.75
36	MP ALPHA5	X	.002	4.75
37	MP BETA5	Y	.002	6.25
38	MP BETA5	Y	.002	3.25
39	MP BETA5	X	.000883	6.25
40	MP BETA5	X	.000883	3.25
41	MP BETA5	Y	.003	4.75
42	MP BETA5	X	.002	4.75
43	MP GAMAM5	Y	.005	6.25
44	MP GAMAM5	Y	.005	3.25
45	MP GAMAM5	X	.003	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
46	MP GAMAM5	X	.003	3.25
47	MP GAMAM5	Y	.004	4.75
48	MP GAMAM5	X	.002	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.002	3.5
2	MP ALPHA3	Y	.002	2.5
3	MP ALPHA3	X	.003	3.5
4	MP ALPHA3	X	.003	2.5
5	MP BETA3	Y	.002	3.5
6	MP BETA3	Y	.002	2.5
7	MP BETA3	X	.003	3.5
8	MP BETA3	X	.003	2.5
9	MP GAMMA3	Y	.003	3.5
10	MP GAMMA3	Y	.003	2.5
11	MP GAMMA3	X	.005	3.5
12	MP GAMMA3	X	.005	2.5
13	MP ALPHA2	Y	.005	7.75
14	MP ALPHA2	Y	.005	1.75
15	MP ALPHA2	X	.008	7.75
16	MP ALPHA2	X	.008	1.75
17	MP ALPHA2	Y	.002	4.75
18	MP ALPHA2	X	.003	4.75
19	MP BETA2	Y	.005	7.75
20	MP BETA2	Y	.005	1.75
21	MP BETA2	X	.008	7.75
22	MP BETA2	X	.008	1.75
23	MP BETA2	Y	.002	4.75
24	MP BETA2	X	.003	4.75
25	MP GAMMA2	Y	.009	7.75
26	MP GAMMA2	Y	.009	1.75
27	MP GAMMA2	X	.015	7.75
28	MP GAMMA2	X	.015	1.75
29	MP GAMMA2	Y	.003	4.75
30	MP GAMMA2	X	.005	4.75
31	MP ALPHA5	Y	.002	6.25
32	MP ALPHA5	Y	.002	3.25
33	MP ALPHA5	X	.003	6.25
34	MP ALPHA5	X	.003	3.25
35	MP ALPHA5	Y	.002	4.75
36	MP ALPHA5	X	.003	4.75
37	MP BETA5	Y	.002	6.25
38	MP BETA5	Y	.002	3.25
39	MP BETA5	X	.003	6.25
40	MP BETA5	X	.003	3.25
41	MP BETA5	Y	.002	4.75
42	MP BETA5	X	.003	4.75
43	MP GAMAM5	Y	.004	6.25
44	MP GAMAM5	Y	.004	3.25
45	MP GAMAM5	X	.006	6.25
46	MP GAMAM5	X	.006	3.25
47	MP GAMAM5	Y	.002	4.75
48	MP GAMAM5	X	.004	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	.002	3.5
2	MP ALPHA3	X	.002	2.5
3	MP BETA3	X	.005	3.5
4	MP BETA3	X	.005	2.5
5	MP GAMMA3	X	.005	3.5
6	MP GAMMA3	X	.005	2.5
7	MP ALPHA2	X	.006	7.75
8	MP ALPHA2	X	.006	1.75
9	MP ALPHA2	X	.003	4.75
10	MP BETA2	X	.015	7.75
11	MP BETA2	X	.015	1.75
12	MP BETA2	X	.005	4.75
13	MP GAMMA2	X	.015	7.75
14	MP GAMMA2	X	.015	1.75
15	MP GAMMA2	X	.005	4.75
16	MP ALPHA5	X	.002	6.25
17	MP ALPHA5	X	.002	3.25
18	MP ALPHA5	X	.004	4.75
19	MP BETA5	X	.006	6.25
20	MP BETA5	X	.006	3.25
21	MP BETA5	X	.004	4.75
22	MP GAMMA5	X	.006	6.25
23	MP GAMMA5	X	.006	3.25
24	MP GAMMA5	X	.004	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.002	3.5
2	MP ALPHA3	Y	-.002	2.5
3	MP ALPHA3	X	.003	3.5
4	MP ALPHA3	X	.003	2.5
5	MP BETA3	Y	-.003	3.5
6	MP BETA3	Y	-.003	2.5
7	MP BETA3	X	.005	3.5
8	MP BETA3	X	.005	2.5
9	MP GAMMA3	Y	-.002	3.5
10	MP GAMMA3	Y	-.002	2.5
11	MP GAMMA3	X	.003	3.5
12	MP GAMMA3	X	.003	2.5
13	MP ALPHA2	Y	-.005	7.75
14	MP ALPHA2	Y	-.005	1.75
15	MP ALPHA2	X	.008	7.75
16	MP ALPHA2	X	.008	1.75
17	MP ALPHA2	Y	-.002	4.75
18	MP ALPHA2	X	.003	4.75
19	MP BETA2	Y	-.009	7.75
20	MP BETA2	Y	-.009	1.75
21	MP BETA2	X	.015	7.75
22	MP BETA2	X	.015	1.75
23	MP BETA2	Y	-.003	4.75
24	MP BETA2	X	.005	4.75
25	MP GAMMA2	Y	-.005	7.75
26	MP GAMMA2	Y	-.005	1.75
27	MP GAMMA2	X	.008	7.75
28	MP GAMMA2	X	.008	1.75
29	MP GAMMA2	Y	-.002	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
30	MP GAMMA2	X	.003	4.75
31	MP ALPHA5	Y	-.002	6.25
32	MP ALPHA5	Y	-.002	3.25
33	MP ALPHA5	X	.003	6.25
34	MP ALPHA5	X	.003	3.25
35	MP ALPHA5	Y	-.002	4.75
36	MP ALPHA5	X	.003	4.75
37	MP BETA5	Y	-.004	6.25
38	MP BETA5	Y	-.004	3.25
39	MP BETA5	X	.006	6.25
40	MP BETA5	X	.006	3.25
41	MP BETA5	Y	-.002	4.75
42	MP BETA5	X	.004	4.75
43	MP GAMAM5	Y	-.002	6.25
44	MP GAMAM5	Y	-.002	3.25
45	MP GAMAM5	X	.003	6.25
46	MP GAMAM5	X	.003	3.25
47	MP GAMAM5	Y	-.002	4.75
48	MP GAMAM5	X	.003	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.005	3.5
2	MP ALPHA3	Y	-.005	2.5
3	MP ALPHA3	X	.003	3.5
4	MP ALPHA3	X	.003	2.5
5	MP BETA3	Y	-.005	3.5
6	MP BETA3	Y	-.005	2.5
7	MP BETA3	X	.003	3.5
8	MP BETA3	X	.003	2.5
9	MP GAMMA3	Y	-.002	3.5
10	MP GAMMA3	Y	-.002	2.5
11	MP GAMMA3	X	.001	3.5
12	MP GAMMA3	X	.001	2.5
13	MP ALPHA2	Y	-.013	7.75
14	MP ALPHA2	Y	-.013	1.75
15	MP ALPHA2	X	.007	7.75
16	MP ALPHA2	X	.007	1.75
17	MP ALPHA2	Y	-.005	4.75
18	MP ALPHA2	X	.003	4.75
19	MP BETA2	Y	-.013	7.75
20	MP BETA2	Y	-.013	1.75
21	MP BETA2	X	.007	7.75
22	MP BETA2	X	.007	1.75
23	MP BETA2	Y	-.005	4.75
24	MP BETA2	X	.003	4.75
25	MP GAMMA2	Y	-.005	7.75
26	MP GAMMA2	Y	-.005	1.75
27	MP GAMMA2	X	.003	7.75
28	MP GAMMA2	X	.003	1.75
29	MP GAMMA2	Y	-.003	4.75
30	MP GAMMA2	X	.001	4.75
31	MP ALPHA5	Y	-.005	6.25
32	MP ALPHA5	Y	-.005	3.25
33	MP ALPHA5	X	.003	6.25
34	MP ALPHA5	X	.003	3.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
35	MP ALPHA5	Y	-.004	4.75
36	MP ALPHA5	X	.002	4.75
37	MP BETA5	Y	-.005	6.25
38	MP BETA5	Y	-.005	3.25
39	MP BETA5	X	.003	6.25
40	MP BETA5	X	.003	3.25
41	MP BETA5	Y	-.004	4.75
42	MP BETA5	X	.002	4.75
43	MP GAMAM5	Y	-.002	6.25
44	MP GAMAM5	Y	-.002	3.25
45	MP GAMAM5	X	.000883	6.25
46	MP GAMAM5	X	.000883	3.25
47	MP GAMAM5	Y	-.003	4.75
48	MP GAMAM5	X	.002	4.75

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.048	3.5
2	MP ALPHA3	Z	-.048	2.5
3	MP BETA3	Z	-.048	3.5
4	MP BETA3	Z	-.048	2.5
5	MP GAMMA3	Z	-.048	3.5
6	MP GAMMA3	Z	-.048	2.5
7	MP ALPHA2	Z	-.135	7.75
8	MP ALPHA2	Z	-.135	1.75
9	MP ALPHA2	Z	-.055	4.75
10	MP BETA2	Z	-.135	7.75
11	MP BETA2	Z	-.135	1.75
12	MP BETA2	Z	-.055	4.75
13	MP GAMMA2	Z	-.135	7.75
14	MP GAMMA2	Z	-.135	1.75
15	MP GAMMA2	Z	-.055	4.75
16	MP ALPHA5	Z	-.042	6.25
17	MP ALPHA5	Z	-.042	3.25
18	MP ALPHA5	Z	-.056	4.75
19	MP BETA5	Z	-.042	6.25
20	MP BETA5	Z	-.042	3.25
21	MP BETA5	Z	-.056	4.75
22	MP GAMAM5	Z	-.042	6.25
23	MP GAMAM5	Z	-.042	3.25
24	MP GAMAM5	Z	-.056	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.018	3.5
2	MP ALPHA3	Y	-.018	2.5
3	MP BETA3	Y	-.011	3.5
4	MP BETA3	Y	-.011	2.5
5	MP GAMMA3	Y	-.011	3.5
6	MP GAMMA3	Y	-.011	2.5
7	MP ALPHA2	Y	-.048	7.75
8	MP ALPHA2	Y	-.048	1.75
9	MP ALPHA2	Y	-.013	4.75
10	MP BETA2	Y	-.027	7.75
11	MP BETA2	Y	-.027	1.75
12	MP BETA2	Y	-.008	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
13	MP GAMMA2	Y	-.027	7.75
14	MP GAMMA2	Y	-.027	1.75
15	MP GAMMA2	Y	-.008	4.75
16	MP ALPHA5	Y	-.023	6.25
17	MP ALPHA5	Y	-.023	3.25
18	MP ALPHA5	Y	-.01	4.75
19	MP BETA5	Y	-.012	6.25
20	MP BETA5	Y	-.012	3.25
21	MP BETA5	Y	-.008	4.75
22	MP GAMMA5	Y	-.012	6.25
23	MP GAMMA5	Y	-.012	3.25
24	MP GAMMA5	Y	-.008	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.014	3.5
2	MP ALPHA3	Y	-.014	2.5
3	MP ALPHA3	X	-.008	3.5
4	MP ALPHA3	X	-.008	2.5
5	MP BETA3	Y	-.007	3.5
6	MP BETA3	Y	-.007	2.5
7	MP BETA3	X	-.004	3.5
8	MP BETA3	X	-.004	2.5
9	MP GAMMA3	Y	-.014	3.5
10	MP GAMMA3	Y	-.014	2.5
11	MP GAMMA3	X	-.008	3.5
12	MP GAMMA3	X	-.008	2.5
13	MP ALPHA2	Y	-.036	7.75
14	MP ALPHA2	Y	-.036	1.75
15	MP ALPHA2	X	-.021	7.75
16	MP ALPHA2	X	-.021	1.75
17	MP ALPHA2	Y	-.01	4.75
18	MP ALPHA2	X	-.006	4.75
19	MP BETA2	Y	-.018	7.75
20	MP BETA2	Y	-.018	1.75
21	MP BETA2	X	-.01	7.75
22	MP BETA2	X	-.01	1.75
23	MP BETA2	Y	-.006	4.75
24	MP BETA2	X	-.003	4.75
25	MP GAMMA2	Y	-.036	7.75
26	MP GAMMA2	Y	-.036	1.75
27	MP GAMMA2	X	-.021	7.75
28	MP GAMMA2	X	-.021	1.75
29	MP GAMMA2	Y	-.01	4.75
30	MP GAMMA2	X	-.006	4.75
31	MP ALPHA5	Y	-.016	6.25
32	MP ALPHA5	Y	-.016	3.25
33	MP ALPHA5	X	-.009	6.25
34	MP ALPHA5	X	-.009	3.25
35	MP ALPHA5	Y	-.008	4.75
36	MP ALPHA5	X	-.005	4.75
37	MP BETA5	Y	-.007	6.25
38	MP BETA5	Y	-.007	3.25
39	MP BETA5	X	-.004	6.25
40	MP BETA5	X	-.004	3.25
41	MP BETA5	Y	-.007	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
42	MP BETA5	X	-.004	4.75
43	MP GAMAM5	Y	-.016	6.25
44	MP GAMAM5	Y	-.016	3.25
45	MP GAMAM5	X	-.009	6.25
46	MP GAMAM5	X	-.009	3.25
47	MP GAMAM5	Y	-.008	4.75
48	MP GAMAM5	X	-.005	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.005	3.5
2	MP ALPHA3	Y	-.005	2.5
3	MP ALPHA3	X	-.009	3.5
4	MP ALPHA3	X	-.009	2.5
5	MP BETA3	Y	-.005	3.5
6	MP BETA3	Y	-.005	2.5
7	MP BETA3	X	-.009	3.5
8	MP BETA3	X	-.009	2.5
9	MP GAMMA3	Y	-.009	3.5
10	MP GAMMA3	Y	-.009	2.5
11	MP GAMMA3	X	-.016	3.5
12	MP GAMMA3	X	-.016	2.5
13	MP ALPHA2	Y	-.014	7.75
14	MP ALPHA2	Y	-.014	1.75
15	MP ALPHA2	X	-.024	7.75
16	MP ALPHA2	X	-.024	1.75
17	MP ALPHA2	Y	-.004	4.75
18	MP ALPHA2	X	-.007	4.75
19	MP BETA2	Y	-.014	7.75
20	MP BETA2	Y	-.014	1.75
21	MP BETA2	X	-.024	7.75
22	MP BETA2	X	-.024	1.75
23	MP BETA2	Y	-.004	4.75
24	MP BETA2	X	-.007	4.75
25	MP GAMMA2	Y	-.024	7.75
26	MP GAMMA2	Y	-.024	1.75
27	MP GAMMA2	X	-.042	7.75
28	MP GAMMA2	X	-.042	1.75
29	MP GAMMA2	Y	-.006	4.75
30	MP GAMMA2	X	-.011	4.75
31	MP ALPHA5	Y	-.006	6.25
32	MP ALPHA5	Y	-.006	3.25
33	MP ALPHA5	X	-.01	6.25
34	MP ALPHA5	X	-.01	3.25
35	MP ALPHA5	Y	-.004	4.75
36	MP ALPHA5	X	-.007	4.75
37	MP BETA5	Y	-.006	6.25
38	MP BETA5	Y	-.006	3.25
39	MP BETA5	X	-.01	6.25
40	MP BETA5	X	-.01	3.25
41	MP BETA5	Y	-.004	4.75
42	MP BETA5	X	-.007	4.75
43	MP GAMAM5	Y	-.011	6.25
44	MP GAMAM5	Y	-.011	3.25
45	MP GAMAM5	X	-.02	6.25
46	MP GAMAM5	X	-.02	3.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMAM5	Y	-.005	4.75
48	MP GAMAM5	X	-.008	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.008	3.5
2	MP ALPHA3	X	-.008	2.5
3	MP BETA3	X	-.016	3.5
4	MP BETA3	X	-.016	2.5
5	MP GAMMA3	X	-.016	3.5
6	MP GAMMA3	X	-.016	2.5
7	MP ALPHA2	X	-.02	7.75
8	MP ALPHA2	X	-.02	1.75
9	MP ALPHA2	X	-.007	4.75
10	MP BETA2	X	-.041	7.75
11	MP BETA2	X	-.041	1.75
12	MP BETA2	X	-.011	4.75
13	MP GAMMA2	X	-.041	7.75
14	MP GAMMA2	X	-.041	1.75
15	MP GAMMA2	X	-.011	4.75
16	MP ALPHA5	X	-.008	6.25
17	MP ALPHA5	X	-.008	3.25
18	MP ALPHA5	X	-.008	4.75
19	MP BETA5	X	-.019	6.25
20	MP BETA5	X	-.019	3.25
21	MP BETA5	X	-.009	4.75
22	MP GAMAM5	X	-.019	6.25
23	MP GAMAM5	X	-.019	3.25
24	MP GAMAM5	X	-.009	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.005	3.5
2	MP ALPHA3	Y	.005	2.5
3	MP ALPHA3	X	-.009	3.5
4	MP ALPHA3	X	-.009	2.5
5	MP BETA3	Y	.009	3.5
6	MP BETA3	Y	.009	2.5
7	MP BETA3	X	-.016	3.5
8	MP BETA3	X	-.016	2.5
9	MP GAMMA3	Y	.005	3.5
10	MP GAMMA3	Y	.005	2.5
11	MP GAMMA3	X	-.009	3.5
12	MP GAMMA3	X	-.009	2.5
13	MP ALPHA2	Y	.014	7.75
14	MP ALPHA2	Y	.014	1.75
15	MP ALPHA2	X	-.024	7.75
16	MP ALPHA2	X	-.024	1.75
17	MP ALPHA2	Y	.004	4.75
18	MP ALPHA2	X	-.007	4.75
19	MP BETA2	Y	.024	7.75
20	MP BETA2	Y	.024	1.75
21	MP BETA2	X	-.042	7.75
22	MP BETA2	X	-.042	1.75
23	MP BETA2	Y	.006	4.75
24	MP BETA2	X	-.011	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP GAMMA2	Y	.014	7.75
26	MP GAMMA2	Y	.014	1.75
27	MP GAMMA2	X	-.024	7.75
28	MP GAMMA2	X	-.024	1.75
29	MP GAMMA2	Y	.004	4.75
30	MP GAMMA2	X	-.007	4.75
31	MP ALPHA5	Y	.006	6.25
32	MP ALPHA5	Y	.006	3.25
33	MP ALPHA5	X	-.01	6.25
34	MP ALPHA5	X	-.01	3.25
35	MP ALPHA5	Y	.004	4.75
36	MP ALPHA5	X	-.007	4.75
37	MP BETA5	Y	.011	6.25
38	MP BETA5	Y	.011	3.25
39	MP BETA5	X	-.02	6.25
40	MP BETA5	X	-.02	3.25
41	MP BETA5	Y	.005	4.75
42	MP BETA5	X	-.008	4.75
43	MP GAMMA5	Y	.006	6.25
44	MP GAMMA5	Y	.006	3.25
45	MP GAMMA5	X	-.01	6.25
46	MP GAMMA5	X	-.01	3.25
47	MP GAMMA5	Y	.004	4.75
48	MP GAMMA5	X	-.007	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.014	3.5
2	MP ALPHA3	Y	.014	2.5
3	MP ALPHA3	X	-.008	3.5
4	MP ALPHA3	X	-.008	2.5
5	MP BETA3	Y	.014	3.5
6	MP BETA3	Y	.014	2.5
7	MP BETA3	X	-.008	3.5
8	MP BETA3	X	-.008	2.5
9	MP GAMMA3	Y	.007	3.5
10	MP GAMMA3	Y	.007	2.5
11	MP GAMMA3	X	-.004	3.5
12	MP GAMMA3	X	-.004	2.5
13	MP ALPHA2	Y	.036	7.75
14	MP ALPHA2	Y	.036	1.75
15	MP ALPHA2	X	-.021	7.75
16	MP ALPHA2	X	-.021	1.75
17	MP ALPHA2	Y	.01	4.75
18	MP ALPHA2	X	-.006	4.75
19	MP BETA2	Y	.036	7.75
20	MP BETA2	Y	.036	1.75
21	MP BETA2	X	-.021	7.75
22	MP BETA2	X	-.021	1.75
23	MP BETA2	Y	.01	4.75
24	MP BETA2	X	-.006	4.75
25	MP GAMMA2	Y	.018	7.75
26	MP GAMMA2	Y	.018	1.75
27	MP GAMMA2	X	-.01	7.75
28	MP GAMMA2	X	-.01	1.75
29	MP GAMMA2	Y	.006	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
30	MP GAMMA2	X	-.003	4.75
31	MP ALPHA5	Y	.016	6.25
32	MP ALPHA5	Y	.016	3.25
33	MP ALPHA5	X	-.009	6.25
34	MP ALPHA5	X	-.009	3.25
35	MP ALPHA5	Y	.008	4.75
36	MP ALPHA5	X	-.005	4.75
37	MP BETA5	Y	.016	6.25
38	MP BETA5	Y	.016	3.25
39	MP BETA5	X	-.009	6.25
40	MP BETA5	X	-.009	3.25
41	MP BETA5	Y	.008	4.75
42	MP BETA5	X	-.005	4.75
43	MP GAMAM5	Y	.007	6.25
44	MP GAMAM5	Y	.007	3.25
45	MP GAMAM5	X	-.004	6.25
46	MP GAMAM5	X	-.004	3.25
47	MP GAMAM5	Y	.007	4.75
48	MP GAMAM5	X	-.004	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.018	3.5
2	MP ALPHA3	Y	.018	2.5
3	MP BETA3	Y	.011	3.5
4	MP BETA3	Y	.011	2.5
5	MP GAMMA3	Y	.011	3.5
6	MP GAMMA3	Y	.011	2.5
7	MP ALPHA2	Y	.048	7.75
8	MP ALPHA2	Y	.048	1.75
9	MP ALPHA2	Y	.013	4.75
10	MP BETA2	Y	.027	7.75
11	MP BETA2	Y	.027	1.75
12	MP BETA2	Y	.008	4.75
13	MP GAMMA2	Y	.027	7.75
14	MP GAMMA2	Y	.027	1.75
15	MP GAMMA2	Y	.008	4.75
16	MP ALPHA5	Y	.023	6.25
17	MP ALPHA5	Y	.023	3.25
18	MP ALPHA5	Y	.01	4.75
19	MP BETA5	Y	.012	6.25
20	MP BETA5	Y	.012	3.25
21	MP BETA5	Y	.008	4.75
22	MP GAMAM5	Y	.012	6.25
23	MP GAMAM5	Y	.012	3.25
24	MP GAMAM5	Y	.008	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.014	3.5
2	MP ALPHA3	Y	.014	2.5
3	MP ALPHA3	X	.008	3.5
4	MP ALPHA3	X	.008	2.5
5	MP BETA3	Y	.007	3.5
6	MP BETA3	Y	.007	2.5
7	MP BETA3	X	.004	3.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
8	MP BETA3	X	.004	2.5
9	MP GAMMA3	Y	.014	3.5
10	MP GAMMA3	Y	.014	2.5
11	MP GAMMA3	X	.008	3.5
12	MP GAMMA3	X	.008	2.5
13	MP ALPHA2	Y	.036	7.75
14	MP ALPHA2	Y	.036	1.75
15	MP ALPHA2	X	.021	7.75
16	MP ALPHA2	X	.021	1.75
17	MP ALPHA2	Y	.01	4.75
18	MP ALPHA2	X	.006	4.75
19	MP BETA2	Y	.018	7.75
20	MP BETA2	Y	.018	1.75
21	MP BETA2	X	.01	7.75
22	MP BETA2	X	.01	1.75
23	MP BETA2	Y	.006	4.75
24	MP BETA2	X	.003	4.75
25	MP GAMMA2	Y	.036	7.75
26	MP GAMMA2	Y	.036	1.75
27	MP GAMMA2	X	.021	7.75
28	MP GAMMA2	X	.021	1.75
29	MP GAMMA2	Y	.01	4.75
30	MP GAMMA2	X	.006	4.75
31	MP ALPHA5	Y	.016	6.25
32	MP ALPHA5	Y	.016	3.25
33	MP ALPHA5	X	.009	6.25
34	MP ALPHA5	X	.009	3.25
35	MP ALPHA5	Y	.008	4.75
36	MP ALPHA5	X	.005	4.75
37	MP BETA5	Y	.007	6.25
38	MP BETA5	Y	.007	3.25
39	MP BETA5	X	.004	6.25
40	MP BETA5	X	.004	3.25
41	MP BETA5	Y	.007	4.75
42	MP BETA5	X	.004	4.75
43	MP GAMAM5	Y	.016	6.25
44	MP GAMAM5	Y	.016	3.25
45	MP GAMAM5	X	.009	6.25
46	MP GAMAM5	X	.009	3.25
47	MP GAMAM5	Y	.008	4.75
48	MP GAMAM5	X	.005	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.005	3.5
2	MP ALPHA3	Y	.005	2.5
3	MP ALPHA3	X	.009	3.5
4	MP ALPHA3	X	.009	2.5
5	MP BETA3	Y	.005	3.5
6	MP BETA3	Y	.005	2.5
7	MP BETA3	X	.009	3.5
8	MP BETA3	X	.009	2.5
9	MP GAMMA3	Y	.009	3.5
10	MP GAMMA3	Y	.009	2.5
11	MP GAMMA3	X	.016	3.5
12	MP GAMMA3	X	.016	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
13	MP ALPHA2	Y	.014	7.75
14	MP ALPHA2	Y	.014	1.75
15	MP ALPHA2	X	.024	7.75
16	MP ALPHA2	X	.024	1.75
17	MP ALPHA2	Y	.004	4.75
18	MP ALPHA2	X	.007	4.75
19	MP BETA2	Y	.014	7.75
20	MP BETA2	Y	.014	1.75
21	MP BETA2	X	.024	7.75
22	MP BETA2	X	.024	1.75
23	MP BETA2	Y	.004	4.75
24	MP BETA2	X	.007	4.75
25	MP GAMMA2	Y	.024	7.75
26	MP GAMMA2	Y	.024	1.75
27	MP GAMMA2	X	.042	7.75
28	MP GAMMA2	X	.042	1.75
29	MP GAMMA2	Y	.006	4.75
30	MP GAMMA2	X	.011	4.75
31	MP ALPHA5	Y	.006	6.25
32	MP ALPHA5	Y	.006	3.25
33	MP ALPHA5	X	.01	6.25
34	MP ALPHA5	X	.01	3.25
35	MP ALPHA5	Y	.004	4.75
36	MP ALPHA5	X	.007	4.75
37	MP BETA5	Y	.006	6.25
38	MP BETA5	Y	.006	3.25
39	MP BETA5	X	.01	6.25
40	MP BETA5	X	.01	3.25
41	MP BETA5	Y	.004	4.75
42	MP BETA5	X	.007	4.75
43	MP GAMAM5	Y	.011	6.25
44	MP GAMAM5	Y	.011	3.25
45	MP GAMAM5	X	.02	6.25
46	MP GAMAM5	X	.02	3.25
47	MP GAMAM5	Y	.005	4.75
48	MP GAMAM5	X	.008	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	.008	3.5
2	MP ALPHA3	X	.008	2.5
3	MP BETA3	X	.016	3.5
4	MP BETA3	X	.016	2.5
5	MP GAMMA3	X	.016	3.5
6	MP GAMMA3	X	.016	2.5
7	MP ALPHA2	X	.02	7.75
8	MP ALPHA2	X	.02	1.75
9	MP ALPHA2	X	.007	4.75
10	MP BETA2	X	.041	7.75
11	MP BETA2	X	.041	1.75
12	MP BETA2	X	.011	4.75
13	MP GAMMA2	X	.041	7.75
14	MP GAMMA2	X	.041	1.75
15	MP GAMMA2	X	.011	4.75
16	MP ALPHA5	X	.008	6.25
17	MP ALPHA5	X	.008	3.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP ALPHA5	X	.008	4.75
19	MP BETA5	X	.019	6.25
20	MP BETA5	X	.019	3.25
21	MP BETA5	X	.009	4.75
22	MP GAMAM5	X	.019	6.25
23	MP GAMAM5	X	.019	3.25
24	MP GAMAM5	X	.009	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.005	3.5
2	MP ALPHA3	Y	-.005	2.5
3	MP ALPHA3	X	.009	3.5
4	MP ALPHA3	X	.009	2.5
5	MP BETA3	Y	-.009	3.5
6	MP BETA3	Y	-.009	2.5
7	MP BETA3	X	.016	3.5
8	MP BETA3	X	.016	2.5
9	MP GAMMA3	Y	-.005	3.5
10	MP GAMMA3	Y	-.005	2.5
11	MP GAMMA3	X	.009	3.5
12	MP GAMMA3	X	.009	2.5
13	MP ALPHA2	Y	-.014	7.75
14	MP ALPHA2	Y	-.014	1.75
15	MP ALPHA2	X	.024	7.75
16	MP ALPHA2	X	.024	1.75
17	MP ALPHA2	Y	-.004	4.75
18	MP ALPHA2	X	.007	4.75
19	MP BETA2	Y	-.024	7.75
20	MP BETA2	Y	-.024	1.75
21	MP BETA2	X	.042	7.75
22	MP BETA2	X	.042	1.75
23	MP BETA2	Y	-.006	4.75
24	MP BETA2	X	.011	4.75
25	MP GAMMA2	Y	-.014	7.75
26	MP GAMMA2	Y	-.014	1.75
27	MP GAMMA2	X	.024	7.75
28	MP GAMMA2	X	.024	1.75
29	MP GAMMA2	Y	-.004	4.75
30	MP GAMMA2	X	.007	4.75
31	MP ALPHA5	Y	-.006	6.25
32	MP ALPHA5	Y	-.006	3.25
33	MP ALPHA5	X	.01	6.25
34	MP ALPHA5	X	.01	3.25
35	MP ALPHA5	Y	-.004	4.75
36	MP ALPHA5	X	.007	4.75
37	MP BETA5	Y	-.011	6.25
38	MP BETA5	Y	-.011	3.25
39	MP BETA5	X	.02	6.25
40	MP BETA5	X	.02	3.25
41	MP BETA5	Y	-.005	4.75
42	MP BETA5	X	.008	4.75
43	MP GAMAM5	Y	-.006	6.25
44	MP GAMAM5	Y	-.006	3.25
45	MP GAMAM5	X	.01	6.25
46	MP GAMAM5	X	.01	3.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMAM5	Y	-.004	4.75
48	MP GAMAM5	X	.007	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.014	3.5
2	MP ALPHA3	Y	-.014	2.5
3	MP ALPHA3	X	.008	3.5
4	MP ALPHA3	X	.008	2.5
5	MP BETA3	Y	-.014	3.5
6	MP BETA3	Y	-.014	2.5
7	MP BETA3	X	.008	3.5
8	MP BETA3	X	.008	2.5
9	MP GAMMA3	Y	-.007	3.5
10	MP GAMMA3	Y	-.007	2.5
11	MP GAMMA3	X	.004	3.5
12	MP GAMMA3	X	.004	2.5
13	MP ALPHA2	Y	-.036	7.75
14	MP ALPHA2	Y	-.036	1.75
15	MP ALPHA2	X	.021	7.75
16	MP ALPHA2	X	.021	1.75
17	MP ALPHA2	Y	-.01	4.75
18	MP ALPHA2	X	.006	4.75
19	MP BETA2	Y	-.036	7.75
20	MP BETA2	Y	-.036	1.75
21	MP BETA2	X	.021	7.75
22	MP BETA2	X	.021	1.75
23	MP BETA2	Y	-.01	4.75
24	MP BETA2	X	.006	4.75
25	MP GAMMA2	Y	-.018	7.75
26	MP GAMMA2	Y	-.018	1.75
27	MP GAMMA2	X	.01	7.75
28	MP GAMMA2	X	.01	1.75
29	MP GAMMA2	Y	-.006	4.75
30	MP GAMMA2	X	.003	4.75
31	MP ALPHA5	Y	-.016	6.25
32	MP ALPHA5	Y	-.016	3.25
33	MP ALPHA5	X	.009	6.25
34	MP ALPHA5	X	.009	3.25
35	MP ALPHA5	Y	-.008	4.75
36	MP ALPHA5	X	.005	4.75
37	MP BETA5	Y	-.016	6.25
38	MP BETA5	Y	-.016	3.25
39	MP BETA5	X	.009	6.25
40	MP BETA5	X	.009	3.25
41	MP BETA5	Y	-.008	4.75
42	MP BETA5	X	.005	4.75
43	MP GAMAM5	Y	-.007	6.25
44	MP GAMAM5	Y	-.007	3.25
45	MP GAMAM5	X	.004	6.25
46	MP GAMAM5	X	.004	3.25
47	MP GAMAM5	Y	-.007	4.75
48	MP GAMAM5	X	.004	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
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Member Point Loads (BLC 40 : Earthquake (x-direction)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.006	3.5
2	MP ALPHA3	X	-.006	2.5
3	MP BETA3	X	-.006	3.5
4	MP BETA3	X	-.006	2.5
5	MP GAMMA3	X	-.006	3.5
6	MP GAMMA3	X	-.006	2.5
7	MP ALPHA2	X	-.008	7.75
8	MP ALPHA2	X	-.008	1.75
9	MP ALPHA2	X	-.008	4.75
10	MP BETA2	X	-.008	7.75
11	MP BETA2	X	-.008	1.75
12	MP BETA2	X	-.008	4.75
13	MP GAMMA2	X	-.008	7.75
14	MP GAMMA2	X	-.008	1.75
15	MP GAMMA2	X	-.008	4.75
16	MP ALPHA5	X	-.002	6.25
17	MP ALPHA5	X	-.002	3.25
18	MP ALPHA5	X	-.011	4.75
19	MP BETA5	X	-.002	6.25
20	MP BETA5	X	-.002	3.25
21	MP BETA5	X	-.011	4.75
22	MP GAMMA5	X	-.002	6.25
23	MP GAMMA5	X	-.002	3.25
24	MP GAMMA5	X	-.011	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.006	3.5
2	MP ALPHA3	Y	-.006	2.5
3	MP BETA3	Y	-.006	3.5
4	MP BETA3	Y	-.006	2.5
5	MP GAMMA3	Y	-.006	3.5
6	MP GAMMA3	Y	-.006	2.5
7	MP ALPHA2	Y	-.008	7.75
8	MP ALPHA2	Y	-.008	1.75
9	MP ALPHA2	Y	-.008	4.75
10	MP BETA2	Y	-.008	7.75
11	MP BETA2	Y	-.008	1.75
12	MP BETA2	Y	-.008	4.75
13	MP GAMMA2	Y	-.008	7.75
14	MP GAMMA2	Y	-.008	1.75
15	MP GAMMA2	Y	-.008	4.75
16	MP ALPHA5	Y	-.002	6.25
17	MP ALPHA5	Y	-.002	3.25
18	MP ALPHA5	Y	-.011	4.75
19	MP BETA5	Y	-.002	6.25
20	MP BETA5	Y	-.002	3.25
21	MP BETA5	Y	-.011	4.75
22	MP GAMMA5	Y	-.002	6.25
23	MP GAMMA5	Y	-.002	3.25
24	MP GAMMA5	Y	-.011	4.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.002	3.5
2	MP ALPHA3	Z	-.002	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
3	MP BETA3	Z	-.002	3.5
4	MP BETA3	Z	-.002	2.5
5	MP GAMMA3	Z	-.002	3.5
6	MP GAMMA3	Z	-.002	2.5
7	MP ALPHA2	Z	-.003	7.75
8	MP ALPHA2	Z	-.003	1.75
9	MP ALPHA2	Z	-.003	4.75
10	MP BETA2	Z	-.003	7.75
11	MP BETA2	Z	-.003	1.75
12	MP BETA2	Z	-.003	4.75
13	MP GAMMA2	Z	-.003	7.75
14	MP GAMMA2	Z	-.003	1.75
15	MP GAMMA2	Z	-.003	4.75
16	MP ALPHA5	Z	-.000834	6.25
17	MP ALPHA5	Z	-.000834	3.25
18	MP ALPHA5	Z	-.004	4.75
19	MP BETA5	Z	-.000834	6.25
20	MP BETA5	Z	-.000834	3.25
21	MP BETA5	Z	-.004	4.75
22	MP GAMMA5	Z	-.000834	6.25
23	MP GAMMA5	Z	-.000834	3.25
24	MP GAMMA5	Z	-.004	4.75

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SO3B	PY	-.008	-.008	0	0
2	SO3A	PY	-.008	-.008	0	0
3	SO2B	PY	-.008	-.008	0	0
4	SO2A	PY	-.008	-.008	0	0
5	SO1B	PY	-.008	-.008	0	0
6	SO1A	PY	-.008	-.008	0	0
7	RAIL3	PY	-.015	-.015	0	0
8	RAIL2	PY	-.015	-.015	0	0
9	RAIL1	PY	-.008	-.008	0	0
10	PLATE3	PY	-.002	-.002	0	0
11	PLATE2	PY	-.002	-.002	0	0
12	PLATE1	PY	-.002	-.002	0	0
13	MP GAMMA6	PY	-.009	-.009	0	0
14	MP GAMMA3	PY	-.009	-.009	0	0
15	MP BETA6	PY	-.009	-.009	0	0
16	MP BETA3	PY	-.009	-.009	0	0
17	MP ALPHA6	PY	-.009	-.009	0	0
18	MP ALPHA3	PY	-.009	-.009	0	0
19	FACE3	PY	-.036	-.036	0	0
20	FACE2	PY	-.036	-.036	0	0
21	FACE1	PY	-.018	-.018	0	0
22	CRPLATE6	PY	-.002	-.002	0	0
23	CRPLATE5	PY	-.002	-.002	0	0
24	CRPLATE4	PY	-.002	-.002	0	0
25	CRPLATE3	PY	-.002	-.002	0	0
26	CRPLATE2	PY	-.002	-.002	0	0
27	CRPLATE1	PY	-.002	-.002	0	0
28	CORNER3	PY	-.012	-.012	0	0
29	CORNER2	PY	-.012	-.012	0	0
30	CORNER1	PY	-.012	-.012	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
31	CONNECTION3	PY	-0.000753	-0.000753	0	0
32	CONNECTION2	PY	-0.000753	-0.000753	0	0
33	CONNECTION1	PY	-0.000753	-0.000753	0	0
34	MP ALPHA2	PY	-0.009	-0.009	0	0
35	MP BETA2	PY	-0.009	-0.009	0	0
36	MP GAMMA2	PY	-0.009	-0.009	0	0
37	MP ALPHA1	PY	-0.009	-0.009	0	0
38	MP GAMMA1	PY	-0.009	-0.009	0	0
39	MP BETA1	PY	-0.009	-0.009	0	0
40	MP ALPHA5	PY	-0.009	-0.009	0	0
41	MP BETA5	PY	-0.009	-0.009	0	0
42	MP GAMMA5	PY	-0.009	-0.009	0	0
43	MP ALPHA4	PY	-0.009	-0.009	0	0
44	MP GAMMA4	PY	-0.009	-0.009	0	0
45	MP BETA4	PY	-0.009	-0.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-0.007	-0.007	0	0
2	SO3A	PY	-0.007	-0.007	0	0
3	SO2B	PY	-0.007	-0.007	0	0
4	SO2A	PY	-0.007	-0.007	0	0
5	SO1B	PY	-0.007	-0.007	0	0
6	SO1A	PY	-0.007	-0.007	0	0
7	RAIL3	PY	-0.013	-0.013	0	0
8	RAIL2	PY	-0.013	-0.013	0	0
9	RAIL1	PY	-0.007	-0.007	0	0
10	PLATE3	PY	-0.001	-0.001	0	0
11	PLATE2	PY	-0.001	-0.001	0	0
12	PLATE1	PY	-0.001	-0.001	0	0
13	MP GAMMA6	PY	-0.007	-0.007	0	0
14	MP GAMMA3	PY	-0.007	-0.007	0	0
15	MP BETA6	PY	-0.007	-0.007	0	0
16	MP BETA3	PY	-0.007	-0.007	0	0
17	MP ALPHA6	PY	-0.007	-0.007	0	0
18	MP ALPHA3	PY	-0.007	-0.007	0	0
19	FACE3	PY	-0.031	-0.031	0	0
20	FACE2	PY	-0.031	-0.031	0	0
21	FACE1	PY	-0.016	-0.016	0	0
22	CRPLATE6	PY	-0.001	-0.001	0	0
23	CRPLATE5	PY	-0.001	-0.001	0	0
24	CRPLATE4	PY	-0.001	-0.001	0	0
25	CRPLATE3	PY	-0.001	-0.001	0	0
26	CRPLATE2	PY	-0.001	-0.001	0	0
27	CRPLATE1	PY	-0.001	-0.001	0	0
28	CORNER3	PY	-0.01	-0.01	0	0
29	CORNER2	PY	-0.01	-0.01	0	0
30	CORNER1	PY	-0.01	-0.01	0	0
31	CONNECTION3	PY	-0.000652	-0.000652	0	0
32	CONNECTION2	PY	-0.000652	-0.000652	0	0
33	CONNECTION1	PY	-0.000652	-0.000652	0	0
34	SO3B	PX	-0.004	-0.004	0	0
35	SO3A	PX	-0.004	-0.004	0	0
36	SO2B	PX	-0.004	-0.004	0	0
37	SO2A	PX	-0.004	-0.004	0	0
38	SO1B	PX	-0.004	-0.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
39	SO1A	PX	-.004	-.004	0	0
40	RAIL3	PX	-.008	-.008	0	0
41	RAIL2	PX	-.008	-.008	0	0
42	RAIL1	PX	-.004	-.004	0	0
43	PLATE3	PX	-.000753	-.000753	0	0
44	PLATE2	PX	-.000753	-.000753	0	0
45	PLATE1	PX	-.000753	-.000753	0	0
46	MP GAMMA6	PX	-.004	-.004	0	0
47	MP GAMMA3	PX	-.004	-.004	0	0
48	MP BETA6	PX	-.004	-.004	0	0
49	MP BETA3	PX	-.004	-.004	0	0
50	MP ALPHA6	PX	-.004	-.004	0	0
51	MP ALPHA3	PX	-.004	-.004	0	0
52	FACE3	PX	-.018	-.018	0	0
53	FACE2	PX	-.018	-.018	0	0
54	FACE1	PX	-.009	-.009	0	0
55	CRPLATE6	PX	-.000753	-.000753	0	0
56	CRPLATE5	PX	-.000753	-.000753	0	0
57	CRPLATE4	PX	-.000753	-.000753	0	0
58	CRPLATE3	PX	-.000753	-.000753	0	0
59	CRPLATE2	PX	-.000753	-.000753	0	0
60	CRPLATE1	PX	-.000753	-.000753	0	0
61	CORNER3	PX	-.006	-.006	0	0
62	CORNER2	PX	-.006	-.006	0	0
63	CORNER1	PX	-.006	-.006	0	0
64	CONNECTION3	PX	-.000376	-.000376	0	0
65	CONNECTION2	PX	-.000376	-.000376	0	0
66	CONNECTION1	PX	-.000376	-.000376	0	0
67	MP ALPHA2	PY	-.007	-.007	0	0
68	MP ALPHA2	PX	-.004	-.004	0	0
69	MP BETA2	PY	-.007	-.007	0	0
70	MP BETA2	PX	-.004	-.004	0	0
71	MP GAMMA2	PY	-.007	-.007	0	0
72	MP GAMMA2	PX	-.004	-.004	0	0
73	MP ALPHA1	PY	-.007	-.007	0	0
74	MP ALPHA1	PX	-.004	-.004	0	0
75	MP GAMMA1	PY	-.007	-.007	0	0
76	MP GAMMA1	PX	-.004	-.004	0	0
77	MP BETA1	PY	-.007	-.007	0	0
78	MP BETA1	PX	-.004	-.004	0	0
79	MP ALPHA5	PY	-.007	-.007	0	0
80	MP ALPHA5	PX	-.004	-.004	0	0
81	MP BETA5	PY	-.007	-.007	0	0
82	MP BETA5	PX	-.004	-.004	0	0
83	MP GAMMA5	PY	-.007	-.007	0	0
84	MP GAMMA5	PX	-.004	-.004	0	0
85	MP ALPHA4	PY	-.007	-.007	0	0
86	MP ALPHA4	PX	-.004	-.004	0	0
87	MP GAMMA4	PY	-.007	-.007	0	0
88	MP GAMMA4	PX	-.004	-.004	0	0
89	MP BETA4	PY	-.007	-.007	0	0
90	MP BETA4	PX	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
2	SO3A	PY	-.004	-.004	0	0
3	SO2B	PY	-.004	-.004	0	0
4	SO2A	PY	-.004	-.004	0	0
5	SO1B	PY	-.004	-.004	0	0
6	SO1A	PY	-.004	-.004	0	0
7	RAIL3	PY	-.008	-.008	0	0
8	RAIL2	PY	-.008	-.008	0	0
9	RAIL1	PY	-.004	-.004	0	0
10	PLATE3	PY	-.000753	-.000753	0	0
11	PLATE2	PY	-.000753	-.000753	0	0
12	PLATE1	PY	-.000753	-.000753	0	0
13	MP GAMMA6	PY	-.004	-.004	0	0
14	MP GAMMA3	PY	-.004	-.004	0	0
15	MP BETA6	PY	-.004	-.004	0	0
16	MP BETA3	PY	-.004	-.004	0	0
17	MP ALPHA6	PY	-.004	-.004	0	0
18	MP ALPHA3	PY	-.004	-.004	0	0
19	FACE3	PY	-.018	-.018	0	0
20	FACE2	PY	-.018	-.018	0	0
21	FACE1	PY	-.009	-.009	0	0
22	CRPLATE6	PY	-.000753	-.000753	0	0
23	CRPLATE5	PY	-.000753	-.000753	0	0
24	CRPLATE4	PY	-.000753	-.000753	0	0
25	CRPLATE3	PY	-.000753	-.000753	0	0
26	CRPLATE2	PY	-.000753	-.000753	0	0
27	CRPLATE1	PY	-.000753	-.000753	0	0
28	CORNER3	PY	-.006	-.006	0	0
29	CORNER2	PY	-.006	-.006	0	0
30	CORNER1	PY	-.006	-.006	0	0
31	CONNECTION3	PY	-.000376	-.000376	0	0
32	CONNECTION2	PY	-.000376	-.000376	0	0
33	CONNECTION1	PY	-.000376	-.000376	0	0
34	SO3B	PX	-.007	-.007	0	0
35	SO3A	PX	-.007	-.007	0	0
36	SO2B	PX	-.007	-.007	0	0
37	SO2A	PX	-.007	-.007	0	0
38	SO1B	PX	-.007	-.007	0	0
39	SO1A	PX	-.007	-.007	0	0
40	RAIL3	PX	-.013	-.013	0	0
41	RAIL2	PX	-.013	-.013	0	0
42	RAIL1	PX	-.007	-.007	0	0
43	PLATE3	PX	-.001	-.001	0	0
44	PLATE2	PX	-.001	-.001	0	0
45	PLATE1	PX	-.001	-.001	0	0
46	MP GAMMA6	PX	-.007	-.007	0	0
47	MP GAMMA3	PX	-.007	-.007	0	0
48	MP BETA6	PX	-.007	-.007	0	0
49	MP BETA3	PX	-.007	-.007	0	0
50	MP ALPHA6	PX	-.007	-.007	0	0
51	MP ALPHA3	PX	-.007	-.007	0	0
52	FACE3	PX	-.031	-.031	0	0
53	FACE2	PX	-.031	-.031	0	0
54	FACE1	PX	-.016	-.016	0	0
55	CRPLATE6	PX	-.001	-.001	0	0
56	CRPLATE5	PX	-.001	-.001	0	0
57	CRPLATE4	PX	-.001	-.001	0	0
58	CRPLATE3	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
59	CRPLATE2	PX	-.001	-.001	0	0
60	CRPLATE1	PX	-.001	-.001	0	0
61	CORNER3	PX	-.01	-.01	0	0
62	CORNER2	PX	-.01	-.01	0	0
63	CORNER1	PX	-.01	-.01	0	0
64	CONNECTION3	PX	-.000652	-.000652	0	0
65	CONNECTION2	PX	-.000652	-.000652	0	0
66	CONNECTION1	PX	-.000652	-.000652	0	0
67	MP ALPHA2	PY	-.004	-.004	0	0
68	MP ALPHA2	PX	-.007	-.007	0	0
69	MP BETA2	PY	-.004	-.004	0	0
70	MP BETA2	PX	-.007	-.007	0	0
71	MP GAMMA2	PY	-.004	-.004	0	0
72	MP GAMMA2	PX	-.007	-.007	0	0
73	MP ALPHA1	PY	-.004	-.004	0	0
74	MP ALPHA1	PX	-.007	-.007	0	0
75	MP GAMMA1	PY	-.004	-.004	0	0
76	MP GAMMA1	PX	-.007	-.007	0	0
77	MP BETA1	PY	-.004	-.004	0	0
78	MP BETA1	PX	-.007	-.007	0	0
79	MP ALPHA5	PY	-.004	-.004	0	0
80	MP ALPHA5	PX	-.007	-.007	0	0
81	MP BETA5	PY	-.004	-.004	0	0
82	MP BETA5	PX	-.007	-.007	0	0
83	MP GAMMA5	PY	-.004	-.004	0	0
84	MP GAMMA5	PX	-.007	-.007	0	0
85	MP ALPHA4	PY	-.004	-.004	0	0
86	MP ALPHA4	PX	-.007	-.007	0	0
87	MP GAMMA4	PY	-.004	-.004	0	0
88	MP GAMMA4	PX	-.007	-.007	0	0
89	MP BETA4	PY	-.004	-.004	0	0
90	MP BETA4	PX	-.007	-.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PX	-.008	-.008	0	0
2	SO3A	PX	-.008	-.008	0	0
3	SO2B	PX	-.008	-.008	0	0
4	SO2A	PX	-.008	-.008	0	0
5	SO1B	PX	-.008	-.008	0	0
6	SO1A	PX	-.008	-.008	0	0
7	RAIL3	PX	-.015	-.015	0	0
8	RAIL1	PX	-.015	-.015	0	0
9	RAIL2	PX	-.008	-.008	0	0
10	PLATE3	PX	-.002	-.002	0	0
11	PLATE2	PX	-.002	-.002	0	0
12	PLATE1	PX	-.002	-.002	0	0
13	MP GAMMA6	PX	-.009	-.009	0	0
14	MP GAMMA3	PX	-.009	-.009	0	0
15	MP BETA6	PX	-.009	-.009	0	0
16	MP BETA3	PX	-.009	-.009	0	0
17	MP ALPHA6	PX	-.009	-.009	0	0
18	MP ALPHA3	PX	-.009	-.009	0	0
19	FACE3	PX	-.036	-.036	0	0
20	FACE1	PX	-.036	-.036	0	0
21	FACE2	PX	-.018	-.018	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft.F,...	Start Location[ft, %]	End Location[ft, %]
22	CRPLATE6	PX	-.002	-.002	0	0
23	CRPLATE5	PX	-.002	-.002	0	0
24	CRPLATE4	PX	-.002	-.002	0	0
25	CRPLATE3	PX	-.002	-.002	0	0
26	CRPLATE2	PX	-.002	-.002	0	0
27	CRPLATE1	PX	-.002	-.002	0	0
28	CORNER3	PX	-.012	-.012	0	0
29	CORNER2	PX	-.012	-.012	0	0
30	CORNER1	PX	-.012	-.012	0	0
31	CONNECTION3	PX	-.000753	-.000753	0	0
32	CONNECTION2	PX	-.000753	-.000753	0	0
33	CONNECTION1	PX	-.000753	-.000753	0	0
34	MP ALPHA2	PX	-.009	-.009	0	0
35	MP BETA2	PX	-.009	-.009	0	0
36	MP GAMMA2	PX	-.009	-.009	0	0
37	MP ALPHA1	PX	-.009	-.009	0	0
38	MP GAMMA1	PX	-.009	-.009	0	0
39	MP BETA1	PX	-.009	-.009	0	0
40	MP ALPHA5	PX	-.009	-.009	0	0
41	MP BETA5	PX	-.009	-.009	0	0
42	MP GAMMA5	PX	-.009	-.009	0	0
43	MP ALPHA4	PX	-.009	-.009	0	0
44	MP GAMMA4	PX	-.009	-.009	0	0
45	MP BETA4	PX	-.009	-.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft.F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.004	.004	0	0
2	SO3A	PY	.004	.004	0	0
3	SO2B	PY	.004	.004	0	0
4	SO2A	PY	.004	.004	0	0
5	SO1B	PY	.004	.004	0	0
6	SO1A	PY	.004	.004	0	0
7	RAIL3	PY	.008	.008	0	0
8	RAIL1	PY	.008	.008	0	0
9	RAIL2	PY	.004	.004	0	0
10	PLATE3	PY	.000753	.000753	0	0
11	PLATE2	PY	.000753	.000753	0	0
12	PLATE1	PY	.000753	.000753	0	0
13	MP GAMMA6	PY	.004	.004	0	0
14	MP GAMMA3	PY	.004	.004	0	0
15	MP BETA6	PY	.004	.004	0	0
16	MP BETA3	PY	.004	.004	0	0
17	MP ALPHA6	PY	.004	.004	0	0
18	MP ALPHA3	PY	.004	.004	0	0
19	FACE3	PY	.018	.018	0	0
20	FACE1	PY	.018	.018	0	0
21	FACE2	PY	.009	.009	0	0
22	CRPLATE6	PY	.000753	.000753	0	0
23	CRPLATE5	PY	.000753	.000753	0	0
24	CRPLATE4	PY	.000753	.000753	0	0
25	CRPLATE3	PY	.000753	.000753	0	0
26	CRPLATE2	PY	.000753	.000753	0	0
27	CRPLATE1	PY	.000753	.000753	0	0
28	CORNER3	PY	.006	.006	0	0
29	CORNER2	PY	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
30	CORNER1	PY	.006	.006	0	0
31	CONNECTION3	PY	.000376	.000376	0	0
32	CONNECTION2	PY	.000376	.000376	0	0
33	CONNECTION1	PY	.000376	.000376	0	0
34	SO3B	PX	-.007	-.007	0	0
35	SO3A	PX	-.007	-.007	0	0
36	SO2B	PX	-.007	-.007	0	0
37	SO2A	PX	-.007	-.007	0	0
38	SO1B	PX	-.007	-.007	0	0
39	SO1A	PX	-.007	-.007	0	0
40	RAIL3	PX	-.013	-.013	0	0
41	RAIL1	PX	-.013	-.013	0	0
42	RAIL2	PX	-.007	-.007	0	0
43	PLATE3	PX	-.001	-.001	0	0
44	PLATE2	PX	-.001	-.001	0	0
45	PLATE1	PX	-.001	-.001	0	0
46	MP GAMMA6	PX	-.007	-.007	0	0
47	MP GAMMA3	PX	-.007	-.007	0	0
48	MP BETA6	PX	-.007	-.007	0	0
49	MP BETA3	PX	-.007	-.007	0	0
50	MP ALPHA6	PX	-.007	-.007	0	0
51	MP ALPHA3	PX	-.007	-.007	0	0
52	FACE3	PX	-.031	-.031	0	0
53	FACE1	PX	-.031	-.031	0	0
54	FACE2	PX	-.016	-.016	0	0
55	CRPLATE6	PX	-.001	-.001	0	0
56	CRPLATE5	PX	-.001	-.001	0	0
57	CRPLATE4	PX	-.001	-.001	0	0
58	CRPLATE3	PX	-.001	-.001	0	0
59	CRPLATE2	PX	-.001	-.001	0	0
60	CRPLATE1	PX	-.001	-.001	0	0
61	CORNER3	PX	-.01	-.01	0	0
62	CORNER2	PX	-.01	-.01	0	0
63	CORNER1	PX	-.01	-.01	0	0
64	CONNECTION3	PX	-.000652	-.000652	0	0
65	CONNECTION2	PX	-.000652	-.000652	0	0
66	CONNECTION1	PX	-.000652	-.000652	0	0
67	MP ALPHA2	PY	.004	.004	0	0
68	MP ALPHA2	PX	-.007	-.007	0	0
69	MP BETA2	PY	.004	.004	0	0
70	MP BETA2	PX	-.007	-.007	0	0
71	MP GAMMA2	PY	.004	.004	0	0
72	MP GAMMA2	PX	-.007	-.007	0	0
73	MP ALPHA1	PY	.004	.004	0	0
74	MP ALPHA1	PX	-.007	-.007	0	0
75	MP GAMMA1	PY	.004	.004	0	0
76	MP GAMMA1	PX	-.007	-.007	0	0
77	MP BETA1	PY	.004	.004	0	0
78	MP BETA1	PX	-.007	-.007	0	0
79	MP ALPHA5	PY	.004	.004	0	0
80	MP ALPHA5	PX	-.007	-.007	0	0
81	MP BETA5	PY	.004	.004	0	0
82	MP BETA5	PX	-.007	-.007	0	0
83	MP GAMMA5	PY	.004	.004	0	0
84	MP GAMMA5	PX	-.007	-.007	0	0
85	MP ALPHA4	PY	.004	.004	0	0
86	MP ALPHA4	PX	-.007	-.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
87	MP GAMMA4	PY	.004	.004	0	0
88	MP GAMMA4	PX	-.007	-.007	0	0
89	MP BETA4	PY	.004	.004	0	0
90	MP BETA4	PX	-.007	-.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SO3B	PY	.007	.007	0	0
2	SO3A	PY	.007	.007	0	0
3	SO2B	PY	.007	.007	0	0
4	SO2A	PY	.007	.007	0	0
5	SO1B	PY	.007	.007	0	0
6	SO1A	PY	.007	.007	0	0
7	RAIL3	PY	.013	.013	0	0
8	RAIL1	PY	.013	.013	0	0
9	RAIL2	PY	.007	.007	0	0
10	PLATE3	PY	.001	.001	0	0
11	PLATE2	PY	.001	.001	0	0
12	PLATE1	PY	.001	.001	0	0
13	MP GAMMA6	PY	.007	.007	0	0
14	MP GAMMA3	PY	.007	.007	0	0
15	MP BETA6	PY	.007	.007	0	0
16	MP BETA3	PY	.007	.007	0	0
17	MP ALPHA6	PY	.007	.007	0	0
18	MP ALPHA3	PY	.007	.007	0	0
19	FACE3	PY	.031	.031	0	0
20	FACE1	PY	.031	.031	0	0
21	FACE2	PY	.016	.016	0	0
22	CRPLATE6	PY	.001	.001	0	0
23	CRPLATE5	PY	.001	.001	0	0
24	CRPLATE4	PY	.001	.001	0	0
25	CRPLATE3	PY	.001	.001	0	0
26	CRPLATE2	PY	.001	.001	0	0
27	CRPLATE1	PY	.001	.001	0	0
28	CORNER3	PY	.01	.01	0	0
29	CORNER2	PY	.01	.01	0	0
30	CORNER1	PY	.01	.01	0	0
31	CONNECTION3	PY	.000652	.000652	0	0
32	CONNECTION2	PY	.000652	.000652	0	0
33	CONNECTION1	PY	.000652	.000652	0	0
34	SO3B	PX	-.004	-.004	0	0
35	SO3A	PX	-.004	-.004	0	0
36	SO2B	PX	-.004	-.004	0	0
37	SO2A	PX	-.004	-.004	0	0
38	SO1B	PX	-.004	-.004	0	0
39	SO1A	PX	-.004	-.004	0	0
40	RAIL3	PX	-.008	-.008	0	0
41	RAIL1	PX	-.008	-.008	0	0
42	RAIL2	PX	-.004	-.004	0	0
43	PLATE3	PX	-.000753	-.000753	0	0
44	PLATE2	PX	-.000753	-.000753	0	0
45	PLATE1	PX	-.000753	-.000753	0	0
46	MP GAMMA6	PX	-.004	-.004	0	0
47	MP GAMMA3	PX	-.004	-.004	0	0
48	MP BETA6	PX	-.004	-.004	0	0
49	MP BETA3	PX	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,....	End Magnitude[k/ft,F,....	Start Location[ft, %]	End Location[ft, %]
50	MP ALPHA6	PX	-.004	-.004	0	0
51	MP ALPHA3	PX	-.004	-.004	0	0
52	FACE3	PX	-.018	-.018	0	0
53	FACE1	PX	-.018	-.018	0	0
54	FACE2	PX	-.009	-.009	0	0
55	CRPLATE6	PX	-.000753	-.000753	0	0
56	CRPLATE5	PX	-.000753	-.000753	0	0
57	CRPLATE4	PX	-.000753	-.000753	0	0
58	CRPLATE3	PX	-.000753	-.000753	0	0
59	CRPLATE2	PX	-.000753	-.000753	0	0
60	CRPLATE1	PX	-.000753	-.000753	0	0
61	CORNER3	PX	-.006	-.006	0	0
62	CORNER2	PX	-.006	-.006	0	0
63	CORNER1	PX	-.006	-.006	0	0
64	CONNECTION3	PX	-.000376	-.000376	0	0
65	CONNECTION2	PX	-.000376	-.000376	0	0
66	CONNECTION1	PX	-.000376	-.000376	0	0
67	MP ALPHA2	PY	.007	.007	0	0
68	MP ALPHA2	PX	-.004	-.004	0	0
69	MP BETA2	PY	.007	.007	0	0
70	MP BETA2	PX	-.004	-.004	0	0
71	MP GAMMA2	PY	.007	.007	0	0
72	MP GAMMA2	PX	-.004	-.004	0	0
73	MP ALPHA1	PY	.007	.007	0	0
74	MP ALPHA1	PX	-.004	-.004	0	0
75	MP GAMMA1	PY	.007	.007	0	0
76	MP GAMMA1	PX	-.004	-.004	0	0
77	MP BETA1	PY	.007	.007	0	0
78	MP BETA1	PX	-.004	-.004	0	0
79	MP ALPHA5	PY	.007	.007	0	0
80	MP ALPHA5	PX	-.004	-.004	0	0
81	MP BETA5	PY	.007	.007	0	0
82	MP BETA5	PX	-.004	-.004	0	0
83	MP GAMMA5	PY	.007	.007	0	0
84	MP GAMMA5	PX	-.004	-.004	0	0
85	MP ALPHA4	PY	.007	.007	0	0
86	MP ALPHA4	PX	-.004	-.004	0	0
87	MP GAMMA4	PY	.007	.007	0	0
88	MP GAMMA4	PX	-.004	-.004	0	0
89	MP BETA4	PY	.007	.007	0	0
90	MP BETA4	PX	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,....	End Magnitude[k/ft,F,....	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.008	.008	0	0
2	SO3A	PY	.008	.008	0	0
3	SO2B	PY	.008	.008	0	0
4	SO2A	PY	.008	.008	0	0
5	SO1B	PY	.008	.008	0	0
6	SO1A	PY	.008	.008	0	0
7	RAIL3	PY	.015	.015	0	0
8	RAIL1	PY	.015	.015	0	0
9	RAIL2	PY	.008	.008	0	0
10	PLATE3	PY	.002	.002	0	0
11	PLATE2	PY	.002	.002	0	0
12	PLATE1	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
13	MP GAMMA6	PY	.009	.009	0	0
14	MP GAMMA3	PY	.009	.009	0	0
15	MP BETA6	PY	.009	.009	0	0
16	MP BETA3	PY	.009	.009	0	0
17	MP ALPHA6	PY	.009	.009	0	0
18	MP ALPHA3	PY	.009	.009	0	0
19	FACE3	PY	.036	.036	0	0
20	FACE1	PY	.036	.036	0	0
21	FACE2	PY	.018	.018	0	0
22	CRPLATE6	PY	.002	.002	0	0
23	CRPLATE5	PY	.002	.002	0	0
24	CRPLATE4	PY	.002	.002	0	0
25	CRPLATE3	PY	.002	.002	0	0
26	CRPLATE2	PY	.002	.002	0	0
27	CRPLATE1	PY	.002	.002	0	0
28	CORNER3	PY	.012	.012	0	0
29	CORNER2	PY	.012	.012	0	0
30	CORNER1	PY	.012	.012	0	0
31	CONNECTION3	PY	.000753	.000753	0	0
32	CONNECTION2	PY	.000753	.000753	0	0
33	CONNECTION1	PY	.000753	.000753	0	0
34	MP ALPHA2	PY	.009	.009	0	0
35	MP BETA2	PY	.009	.009	0	0
36	MP GAMMA2	PY	.009	.009	0	0
37	MP ALPHA1	PY	.009	.009	0	0
38	MP GAMMA1	PY	.009	.009	0	0
39	MP BETA1	PY	.009	.009	0	0
40	MP ALPHA5	PY	.009	.009	0	0
41	MP BETA5	PY	.009	.009	0	0
42	MP GAMMA5	PY	.009	.009	0	0
43	MP ALPHA4	PY	.009	.009	0	0
44	MP GAMMA4	PY	.009	.009	0	0
45	MP BETA4	PY	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.007	.007	0	0
2	SO3A	PY	.007	.007	0	0
3	SO2B	PY	.007	.007	0	0
4	SO2A	PY	.007	.007	0	0
5	SO1B	PY	.007	.007	0	0
6	SO1A	PY	.007	.007	0	0
7	RAIL1	PY	.013	.013	0	0
8	RAIL2	PY	.013	.013	0	0
9	RAIL3	PY	.007	.007	0	0
10	PLATE3	PY	.001	.001	0	0
11	PLATE2	PY	.001	.001	0	0
12	PLATE1	PY	.001	.001	0	0
13	MP GAMMA6	PY	.007	.007	0	0
14	MP GAMMA3	PY	.007	.007	0	0
15	MP BETA6	PY	.007	.007	0	0
16	MP BETA3	PY	.007	.007	0	0
17	MP ALPHA6	PY	.007	.007	0	0
18	MP ALPHA3	PY	.007	.007	0	0
19	FACE1	PY	.031	.031	0	0
20	FACE2	PY	.031	.031	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
21	FACE3	PY	.016	.016	0	0
22	CRPLATE6	PY	.001	.001	0	0
23	CRPLATE5	PY	.001	.001	0	0
24	CRPLATE4	PY	.001	.001	0	0
25	CRPLATE3	PY	.001	.001	0	0
26	CRPLATE2	PY	.001	.001	0	0
27	CRPLATE1	PY	.001	.001	0	0
28	CORNER3	PY	.01	.01	0	0
29	CORNER2	PY	.01	.01	0	0
30	CORNER1	PY	.01	.01	0	0
31	CONNECTION3	PY	.000652	.000652	0	0
32	CONNECTION2	PY	.000652	.000652	0	0
33	CONNECTION1	PY	.000652	.000652	0	0
34	SO3B	PX	.004	.004	0	0
35	SO3A	PX	.004	.004	0	0
36	SO2B	PX	.004	.004	0	0
37	SO2A	PX	.004	.004	0	0
38	SO1B	PX	.004	.004	0	0
39	SO1A	PX	.004	.004	0	0
40	RAIL1	PX	.008	.008	0	0
41	RAIL2	PX	.008	.008	0	0
42	RAIL3	PX	.004	.004	0	0
43	PLATE3	PX	.000753	.000753	0	0
44	PLATE2	PX	.000753	.000753	0	0
45	PLATE1	PX	.000753	.000753	0	0
46	MP GAMMA6	PX	.004	.004	0	0
47	MP GAMMA3	PX	.004	.004	0	0
48	MP BETA6	PX	.004	.004	0	0
49	MP BETA3	PX	.004	.004	0	0
50	MP ALPHA6	PX	.004	.004	0	0
51	MP ALPHA3	PX	.004	.004	0	0
52	FACE1	PX	.018	.018	0	0
53	FACE2	PX	.018	.018	0	0
54	FACE3	PX	.009	.009	0	0
55	CRPLATE6	PX	.000753	.000753	0	0
56	CRPLATE5	PX	.000753	.000753	0	0
57	CRPLATE4	PX	.000753	.000753	0	0
58	CRPLATE3	PX	.000753	.000753	0	0
59	CRPLATE2	PX	.000753	.000753	0	0
60	CRPLATE1	PX	.000753	.000753	0	0
61	CORNER3	PX	.006	.006	0	0
62	CORNER2	PX	.006	.006	0	0
63	CORNER1	PX	.006	.006	0	0
64	CONNECTION3	PX	.000376	.000376	0	0
65	CONNECTION2	PX	.000376	.000376	0	0
66	CONNECTION1	PX	.000376	.000376	0	0
67	MP ALPHA2	PY	.007	.007	0	0
68	MP ALPHA2	PX	.004	.004	0	0
69	MP BETA2	PY	.007	.007	0	0
70	MP BETA2	PX	.004	.004	0	0
71	MP GAMMA2	PY	.007	.007	0	0
72	MP GAMMA2	PX	.004	.004	0	0
73	MP ALPHA1	PY	.007	.007	0	0
74	MP ALPHA1	PX	.004	.004	0	0
75	MP GAMMA1	PY	.007	.007	0	0
76	MP GAMMA1	PX	.004	.004	0	0
77	MP BETA1	PY	.007	.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
78	MP BETA1	PX	.004	.004	0	0
79	MP ALPHA5	PY	.007	.007	0	0
80	MP ALPHA5	PX	.004	.004	0	0
81	MP BETA5	PY	.007	.007	0	0
82	MP BETA5	PX	.004	.004	0	0
83	MP GAMAM5	PY	.007	.007	0	0
84	MP GAMAM5	PX	.004	.004	0	0
85	MP ALPHA4	PY	.007	.007	0	0
86	MP ALPHA4	PX	.004	.004	0	0
87	MP GAMMA4	PY	.007	.007	0	0
88	MP GAMMA4	PX	.004	.004	0	0
89	MP BETA4	PY	.007	.007	0	0
90	MP BETA4	PX	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SO3B	PY	.004	.004	0	0
2	SO3A	PY	.004	.004	0	0
3	SO2B	PY	.004	.004	0	0
4	SO2A	PY	.004	.004	0	0
5	SO1B	PY	.004	.004	0	0
6	SO1A	PY	.004	.004	0	0
7	RAIL1	PY	.008	.008	0	0
8	RAIL2	PY	.008	.008	0	0
9	RAIL3	PY	.004	.004	0	0
10	PLATE3	PY	.000753	.000753	0	0
11	PLATE2	PY	.000753	.000753	0	0
12	PLATE1	PY	.000753	.000753	0	0
13	MP GAMMA6	PY	.004	.004	0	0
14	MP GAMMA3	PY	.004	.004	0	0
15	MP BETA6	PY	.004	.004	0	0
16	MP BETA3	PY	.004	.004	0	0
17	MP ALPHA6	PY	.004	.004	0	0
18	MP ALPHA3	PY	.004	.004	0	0
19	FACE1	PY	.018	.018	0	0
20	FACE2	PY	.018	.018	0	0
21	FACE3	PY	.009	.009	0	0
22	CRPLATE6	PY	.000753	.000753	0	0
23	CRPLATE5	PY	.000753	.000753	0	0
24	CRPLATE4	PY	.000753	.000753	0	0
25	CRPLATE3	PY	.000753	.000753	0	0
26	CRPLATE2	PY	.000753	.000753	0	0
27	CRPLATE1	PY	.000753	.000753	0	0
28	CORNER3	PY	.006	.006	0	0
29	CORNER2	PY	.006	.006	0	0
30	CORNER1	PY	.006	.006	0	0
31	CONNECTION3	PY	.000376	.000376	0	0
32	CONNECTION2	PY	.000376	.000376	0	0
33	CONNECTION1	PY	.000376	.000376	0	0
34	SO3B	PX	.007	.007	0	0
35	SO3A	PX	.007	.007	0	0
36	SO2B	PX	.007	.007	0	0
37	SO2A	PX	.007	.007	0	0
38	SO1B	PX	.007	.007	0	0
39	SO1A	PX	.007	.007	0	0
40	RAIL1	PX	.013	.013	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
41	RAIL2	PX	.013	.013	0	0
42	RAIL3	PX	.007	.007	0	0
43	PLATE3	PX	.001	.001	0	0
44	PLATE2	PX	.001	.001	0	0
45	PLATE1	PX	.001	.001	0	0
46	MP GAMMA6	PX	.007	.007	0	0
47	MP GAMMA3	PX	.007	.007	0	0
48	MP BETA6	PX	.007	.007	0	0
49	MP BETA3	PX	.007	.007	0	0
50	MP ALPHA6	PX	.007	.007	0	0
51	MP ALPHA3	PX	.007	.007	0	0
52	FACE1	PX	.031	.031	0	0
53	FACE2	PX	.031	.031	0	0
54	FACE3	PX	.016	.016	0	0
55	CRPLATE6	PX	.001	.001	0	0
56	CRPLATE5	PX	.001	.001	0	0
57	CRPLATE4	PX	.001	.001	0	0
58	CRPLATE3	PX	.001	.001	0	0
59	CRPLATE2	PX	.001	.001	0	0
60	CRPLATE1	PX	.001	.001	0	0
61	CORNER3	PX	.01	.01	0	0
62	CORNER2	PX	.01	.01	0	0
63	CORNER1	PX	.01	.01	0	0
64	CONNECTION3	PX	.000652	.000652	0	0
65	CONNECTION2	PX	.000652	.000652	0	0
66	CONNECTION1	PX	.000652	.000652	0	0
67	MP ALPHA2	PY	.004	.004	0	0
68	MP ALPHA2	PX	.007	.007	0	0
69	MP BETA2	PY	.004	.004	0	0
70	MP BETA2	PX	.007	.007	0	0
71	MP GAMMA2	PY	.004	.004	0	0
72	MP GAMMA2	PX	.007	.007	0	0
73	MP ALPHA1	PY	.004	.004	0	0
74	MP ALPHA1	PX	.007	.007	0	0
75	MP GAMMA1	PY	.004	.004	0	0
76	MP GAMMA1	PX	.007	.007	0	0
77	MP BETA1	PY	.004	.004	0	0
78	MP BETA1	PX	.007	.007	0	0
79	MP ALPHA5	PY	.004	.004	0	0
80	MP ALPHA5	PX	.007	.007	0	0
81	MP BETA5	PY	.004	.004	0	0
82	MP BETA5	PX	.007	.007	0	0
83	MP GAMMA5	PY	.004	.004	0	0
84	MP GAMMA5	PX	.007	.007	0	0
85	MP ALPHA4	PY	.004	.004	0	0
86	MP ALPHA4	PX	.007	.007	0	0
87	MP GAMMA4	PY	.004	.004	0	0
88	MP GAMMA4	PX	.007	.007	0	0
89	MP BETA4	PY	.004	.004	0	0
90	MP BETA4	PX	.007	.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PX	.008	.008	0	0
2	SO3A	PX	.008	.008	0	0
3	SO2B	PX	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
4	SO2A	PX	.008	.008	0	0
5	SO1B	PX	.008	.008	0	0
6	SO1A	PX	.008	.008	0	0
7	RAIL1	PX	.015	.015	0	0
8	RAIL2	PX	.015	.015	0	0
9	RAIL3	PX	.008	.008	0	0
10	PLATE3	PX	.002	.002	0	0
11	PLATE2	PX	.002	.002	0	0
12	PLATE1	PX	.002	.002	0	0
13	MP GAMMA6	PX	.009	.009	0	0
14	MP GAMMA3	PX	.009	.009	0	0
15	MP BETA6	PX	.009	.009	0	0
16	MP BETA3	PX	.009	.009	0	0
17	MP ALPHA6	PX	.009	.009	0	0
18	MP ALPHA3	PX	.009	.009	0	0
19	FACE1	PX	.036	.036	0	0
20	FACE2	PX	.036	.036	0	0
21	FACE3	PX	.018	.018	0	0
22	CRPLATE6	PX	.002	.002	0	0
23	CRPLATE5	PX	.002	.002	0	0
24	CRPLATE4	PX	.002	.002	0	0
25	CRPLATE3	PX	.002	.002	0	0
26	CRPLATE2	PX	.002	.002	0	0
27	CRPLATE1	PX	.002	.002	0	0
28	CORNER3	PX	.012	.012	0	0
29	CORNER2	PX	.012	.012	0	0
30	CORNER1	PX	.012	.012	0	0
31	CONNECTION3	PX	.000753	.000753	0	0
32	CONNECTION2	PX	.000753	.000753	0	0
33	CONNECTION1	PX	.000753	.000753	0	0
34	MP ALPHA2	PX	.009	.009	0	0
35	MP BETA2	PX	.009	.009	0	0
36	MP GAMMA2	PX	.009	.009	0	0
37	MP ALPHA1	PX	.009	.009	0	0
38	MP GAMMA1	PX	.009	.009	0	0
39	MP BETA1	PX	.009	.009	0	0
40	MP ALPHA5	PX	.009	.009	0	0
41	MP BETA5	PX	.009	.009	0	0
42	MP GAMMA5	PX	.009	.009	0	0
43	MP ALPHA4	PX	.009	.009	0	0
44	MP GAMMA4	PX	.009	.009	0	0
45	MP BETA4	PX	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-.004	-.004	0	0
2	SO3A	PY	-.004	-.004	0	0
3	SO2B	PY	-.004	-.004	0	0
4	SO2A	PY	-.004	-.004	0	0
5	SO1B	PY	-.004	-.004	0	0
6	SO1A	PY	-.004	-.004	0	0
7	RAIL1	PY	-.008	-.008	0	0
8	RAIL2	PY	-.008	-.008	0	0
9	RAIL3	PY	-.004	-.004	0	0
10	PLATE3	PY	-.000753	-.000753	0	0
11	PLATE2	PY	-.000753	-.000753	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
12	PLATE1	PY	-.000753	-.000753	0	0
13	MP GAMMA6	PY	-.004	-.004	0	0
14	MP GAMMA3	PY	-.004	-.004	0	0
15	MP BETA6	PY	-.004	-.004	0	0
16	MP BETA3	PY	-.004	-.004	0	0
17	MP ALPHA6	PY	-.004	-.004	0	0
18	MP ALPHA3	PY	-.004	-.004	0	0
19	FACE1	PY	-.018	-.018	0	0
20	FACE2	PY	-.018	-.018	0	0
21	FACE3	PY	-.009	-.009	0	0
22	CRPLATE6	PY	-.000753	-.000753	0	0
23	CRPLATE5	PY	-.000753	-.000753	0	0
24	CRPLATE4	PY	-.000753	-.000753	0	0
25	CRPLATE3	PY	-.000753	-.000753	0	0
26	CRPLATE2	PY	-.000753	-.000753	0	0
27	CRPLATE1	PY	-.000753	-.000753	0	0
28	CORNER3	PY	-.006	-.006	0	0
29	CORNER2	PY	-.006	-.006	0	0
30	CORNER1	PY	-.006	-.006	0	0
31	CONNECTION3	PY	-.000376	-.000376	0	0
32	CONNECTION2	PY	-.000376	-.000376	0	0
33	CONNECTION1	PY	-.000376	-.000376	0	0
34	SO3B	PX	.007	.007	0	0
35	SO3A	PX	.007	.007	0	0
36	SO2B	PX	.007	.007	0	0
37	SO2A	PX	.007	.007	0	0
38	SO1B	PX	.007	.007	0	0
39	SO1A	PX	.007	.007	0	0
40	RAIL1	PX	.013	.013	0	0
41	RAIL2	PX	.013	.013	0	0
42	RAIL3	PX	.007	.007	0	0
43	PLATE3	PX	.001	.001	0	0
44	PLATE2	PX	.001	.001	0	0
45	PLATE1	PX	.001	.001	0	0
46	MP GAMMA6	PX	.007	.007	0	0
47	MP GAMMA3	PX	.007	.007	0	0
48	MP BETA6	PX	.007	.007	0	0
49	MP BETA3	PX	.007	.007	0	0
50	MP ALPHA6	PX	.007	.007	0	0
51	MP ALPHA3	PX	.007	.007	0	0
52	FACE1	PX	.031	.031	0	0
53	FACE2	PX	.031	.031	0	0
54	FACE3	PX	.016	.016	0	0
55	CRPLATE6	PX	.001	.001	0	0
56	CRPLATE5	PX	.001	.001	0	0
57	CRPLATE4	PX	.001	.001	0	0
58	CRPLATE3	PX	.001	.001	0	0
59	CRPLATE2	PX	.001	.001	0	0
60	CRPLATE1	PX	.001	.001	0	0
61	CORNER3	PX	.01	.01	0	0
62	CORNER2	PX	.01	.01	0	0
63	CORNER1	PX	.01	.01	0	0
64	CONNECTION3	PX	.000652	.000652	0	0
65	CONNECTION2	PX	.000652	.000652	0	0
66	CONNECTION1	PX	.000652	.000652	0	0
67	MP ALPHA2	PY	-.004	-.004	0	0
68	MP ALPHA2	PX	.007	.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
69	MP BETA2	PY	-.004	-.004	0	0
70	MP BETA2	PX	.007	.007	0	0
71	MP GAMMA2	PY	-.004	-.004	0	0
72	MP GAMMA2	PX	.007	.007	0	0
73	MP ALPHA1	PY	-.004	-.004	0	0
74	MP ALPHA1	PX	.007	.007	0	0
75	MP GAMMA1	PY	-.004	-.004	0	0
76	MP GAMMA1	PX	.007	.007	0	0
77	MP BETA1	PY	-.004	-.004	0	0
78	MP BETA1	PX	.007	.007	0	0
79	MP ALPHA5	PY	-.004	-.004	0	0
80	MP ALPHA5	PX	.007	.007	0	0
81	MP BETA5	PY	-.004	-.004	0	0
82	MP BETA5	PX	.007	.007	0	0
83	MP GAMMA5	PY	-.004	-.004	0	0
84	MP GAMMA5	PX	.007	.007	0	0
85	MP ALPHA4	PY	-.004	-.004	0	0
86	MP ALPHA4	PX	.007	.007	0	0
87	MP GAMMA4	PY	-.004	-.004	0	0
88	MP GAMMA4	PX	.007	.007	0	0
89	MP BETA4	PY	-.004	-.004	0	0
90	MP BETA4	PX	.007	.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-.007	-.007	0	0
2	SO3A	PY	-.007	-.007	0	0
3	SO2B	PY	-.007	-.007	0	0
4	SO2A	PY	-.007	-.007	0	0
5	SO1B	PY	-.007	-.007	0	0
6	SO1A	PY	-.007	-.007	0	0
7	RAIL3	PY	-.013	-.013	0	0
8	RAIL2	PY	-.013	-.013	0	0
9	RAIL1	PY	-.007	-.007	0	0
10	PLATE3	PY	-.001	-.001	0	0
11	PLATE2	PY	-.001	-.001	0	0
12	PLATE1	PY	-.001	-.001	0	0
13	MP GAMMA6	PY	-.007	-.007	0	0
14	MP GAMMA3	PY	-.007	-.007	0	0
15	MP BETA6	PY	-.007	-.007	0	0
16	MP BETA3	PY	-.007	-.007	0	0
17	MP ALPHA6	PY	-.007	-.007	0	0
18	MP ALPHA3	PY	-.007	-.007	0	0
19	FACE3	PY	-.031	-.031	0	0
20	FACE2	PY	-.031	-.031	0	0
21	FACE1	PY	-.016	-.016	0	0
22	CRPLATE6	PY	-.001	-.001	0	0
23	CRPLATE5	PY	-.001	-.001	0	0
24	CRPLATE4	PY	-.001	-.001	0	0
25	CRPLATE3	PY	-.001	-.001	0	0
26	CRPLATE2	PY	-.001	-.001	0	0
27	CRPLATE1	PY	-.001	-.001	0	0
28	CORNER3	PY	-.01	-.01	0	0
29	CORNER2	PY	-.01	-.01	0	0
30	CORNER1	PY	-.01	-.01	0	0
31	CONNECTION3	PY	-.000652	-.000652	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
32	CONNECTION2	PY	-.000652	-.000652	0	0
33	CONNECTION1	PY	-.000652	-.000652	0	0
34	SO3B	PX	.004	.004	0	0
35	SO3A	PX	.004	.004	0	0
36	SO2B	PX	.004	.004	0	0
37	SO2A	PX	.004	.004	0	0
38	SO1B	PX	.004	.004	0	0
39	SO1A	PX	.004	.004	0	0
40	RAIL3	PX	.008	.008	0	0
41	RAIL2	PX	.008	.008	0	0
42	RAIL1	PX	.004	.004	0	0
43	PLATE3	PX	.000753	.000753	0	0
44	PLATE2	PX	.000753	.000753	0	0
45	PLATE1	PX	.000753	.000753	0	0
46	MP GAMMA6	PX	.004	.004	0	0
47	MP GAMMA3	PX	.004	.004	0	0
48	MP BETA6	PX	.004	.004	0	0
49	MP BETA3	PX	.004	.004	0	0
50	MP ALPHA6	PX	.004	.004	0	0
51	MP ALPHA3	PX	.004	.004	0	0
52	FACE3	PX	.018	.018	0	0
53	FACE2	PX	.018	.018	0	0
54	FACE1	PX	.009	.009	0	0
55	CRPLATE6	PX	.000753	.000753	0	0
56	CRPLATE5	PX	.000753	.000753	0	0
57	CRPLATE4	PX	.000753	.000753	0	0
58	CRPLATE3	PX	.000753	.000753	0	0
59	CRPLATE2	PX	.000753	.000753	0	0
60	CRPLATE1	PX	.000753	.000753	0	0
61	CORNER3	PX	.006	.006	0	0
62	CORNER2	PX	.006	.006	0	0
63	CORNER1	PX	.006	.006	0	0
64	CONNECTION3	PX	.000376	.000376	0	0
65	CONNECTION2	PX	.000376	.000376	0	0
66	CONNECTION1	PX	.000376	.000376	0	0
67	MP ALPHA2	PY	-.007	-.007	0	0
68	MP ALPHA2	PX	.004	.004	0	0
69	MP BETA2	PY	-.007	-.007	0	0
70	MP BETA2	PX	.004	.004	0	0
71	MP GAMMA2	PY	-.007	-.007	0	0
72	MP GAMMA2	PX	.004	.004	0	0
73	MP ALPHA1	PY	-.007	-.007	0	0
74	MP ALPHA1	PX	.004	.004	0	0
75	MP GAMMA1	PY	-.007	-.007	0	0
76	MP GAMMA1	PX	.004	.004	0	0
77	MP BETA1	PY	-.007	-.007	0	0
78	MP BETA1	PX	.004	.004	0	0
79	MP ALPHA5	PY	-.007	-.007	0	0
80	MP ALPHA5	PX	.004	.004	0	0
81	MP BETA5	PY	-.007	-.007	0	0
82	MP BETA5	PX	.004	.004	0	0
83	MP GAMMA5	PY	-.007	-.007	0	0
84	MP GAMMA5	PX	.004	.004	0	0
85	MP ALPHA4	PY	-.007	-.007	0	0
86	MP ALPHA4	PX	.004	.004	0	0
87	MP GAMMA4	PY	-.007	-.007	0	0
88	MP GAMMA4	PX	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
89	MP BETA4	PY	-.007	-.007	0	0
90	MP BETA4	PX	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-.000441	-.000441	0	0
2	SO3A	PY	-.000441	-.000441	0	0
3	SO2B	PY	-.000441	-.000441	0	0
4	SO2A	PY	-.000441	-.000441	0	0
5	SO1B	PY	-.000441	-.000441	0	0
6	SO1A	PY	-.000441	-.000441	0	0
7	RAIL3	PY	-.000881	-.000881	0	0
8	RAIL2	PY	-.000881	-.000881	0	0
9	RAIL1	PY	-.000441	-.000441	0	0
10	PLATE3	PY	-8.8e-5	-8.8e-5	0	0
11	PLATE2	PY	-8.8e-5	-8.8e-5	0	0
12	PLATE1	PY	-8.8e-5	-8.8e-5	0	0
13	MP GAMMA6	PY	-.000503	-.000503	0	0
14	MP GAMMA3	PY	-.000503	-.000503	0	0
15	MP BETA6	PY	-.000503	-.000503	0	0
16	MP BETA3	PY	-.000503	-.000503	0	0
17	MP ALPHA6	PY	-.000503	-.000503	0	0
18	MP ALPHA3	PY	-.000503	-.000503	0	0
19	FACE3	PY	-.002	-.002	0	0
20	FACE2	PY	-.002	-.002	0	0
21	FACE1	PY	-.001	-.001	0	0
22	CRPLATE6	PY	-8.8e-5	-8.8e-5	0	0
23	CRPLATE5	PY	-8.8e-5	-8.8e-5	0	0
24	CRPLATE4	PY	-8.8e-5	-8.8e-5	0	0
25	CRPLATE3	PY	-8.8e-5	-8.8e-5	0	0
26	CRPLATE2	PY	-8.8e-5	-8.8e-5	0	0
27	CRPLATE1	PY	-8.8e-5	-8.8e-5	0	0
28	CORNER3	PY	-.000705	-.000705	0	0
29	CORNER2	PY	-.000705	-.000705	0	0
30	CORNER1	PY	-.000705	-.000705	0	0
31	CONNECTION3	PY	-4.4e-5	-4.4e-5	0	0
32	CONNECTION2	PY	-4.4e-5	-4.4e-5	0	0
33	CONNECTION1	PY	-4.4e-5	-4.4e-5	0	0
34	MP ALPHA2	PY	-.000503	-.000503	0	0
35	MP BETA2	PY	-.000503	-.000503	0	0
36	MP GAMMA2	PY	-.000503	-.000503	0	0
37	MP ALPHA1	PY	-.000503	-.000503	0	0
38	MP GAMMA1	PY	-.000503	-.000503	0	0
39	MP BETA1	PY	-.000503	-.000503	0	0
40	MP ALPHA5	PY	-.000503	-.000503	0	0
41	MP BETA5	PY	-.000503	-.000503	0	0
42	MP GAMMA5	PY	-.000503	-.000503	0	0
43	MP ALPHA4	PY	-.000503	-.000503	0	0
44	MP GAMMA4	PY	-.000503	-.000503	0	0
45	MP BETA4	PY	-.000503	-.000503	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-.000382	-.000382	0	0
2	SO3A	PY	-.000382	-.000382	0	0
3	SO2B	PY	-.000382	-.000382	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
4	SO2A	PY	-0.000382	-0.000382	0	0
5	SO1B	PY	-0.000382	-0.000382	0	0
6	SO1A	PY	-0.000382	-0.000382	0	0
7	RAIL3	PY	-0.000763	-0.000763	0	0
8	RAIL2	PY	-0.000763	-0.000763	0	0
9	RAIL1	PY	-0.000382	-0.000382	0	0
10	PLATE3	PY	-7.6e-5	-7.6e-5	0	0
11	PLATE2	PY	-7.6e-5	-7.6e-5	0	0
12	PLATE1	PY	-7.6e-5	-7.6e-5	0	0
13	MP GAMMA6	PY	-0.000436	-0.000436	0	0
14	MP GAMMA3	PY	-0.000436	-0.000436	0	0
15	MP BETA6	PY	-0.000436	-0.000436	0	0
16	MP BETA3	PY	-0.000436	-0.000436	0	0
17	MP ALPHA6	PY	-0.000436	-0.000436	0	0
18	MP ALPHA3	PY	-0.000436	-0.000436	0	0
19	FACE3	PY	-0.002	-0.002	0	0
20	FACE2	PY	-0.002	-0.002	0	0
21	FACE1	PY	-0.000916	-0.000916	0	0
22	CRPLATE6	PY	-7.6e-5	-7.6e-5	0	0
23	CRPLATE5	PY	-7.6e-5	-7.6e-5	0	0
24	CRPLATE4	PY	-7.6e-5	-7.6e-5	0	0
25	CRPLATE3	PY	-7.6e-5	-7.6e-5	0	0
26	CRPLATE2	PY	-7.6e-5	-7.6e-5	0	0
27	CRPLATE1	PY	-7.6e-5	-7.6e-5	0	0
28	CORNER3	PY	-0.000611	-0.000611	0	0
29	CORNER2	PY	-0.000611	-0.000611	0	0
30	CORNER1	PY	-0.000611	-0.000611	0	0
31	CONNECTION3	PY	-3.8e-5	-3.8e-5	0	0
32	CONNECTION2	PY	-3.8e-5	-3.8e-5	0	0
33	CONNECTION1	PY	-3.8e-5	-3.8e-5	0	0
34	SO3B	PX	-0.00022	-0.00022	0	0
35	SO3A	PX	-0.00022	-0.00022	0	0
36	SO2B	PX	-0.00022	-0.00022	0	0
37	SO2A	PX	-0.00022	-0.00022	0	0
38	SO1B	PX	-0.00022	-0.00022	0	0
39	SO1A	PX	-0.00022	-0.00022	0	0
40	RAIL3	PX	-0.000441	-0.000441	0	0
41	RAIL2	PX	-0.000441	-0.000441	0	0
42	RAIL1	PX	-0.00022	-0.00022	0	0
43	PLATE3	PX	-4.4e-5	-4.4e-5	0	0
44	PLATE2	PX	-4.4e-5	-4.4e-5	0	0
45	PLATE1	PX	-4.4e-5	-4.4e-5	0	0
46	MP GAMMA6	PX	-0.000252	-0.000252	0	0
47	MP GAMMA3	PX	-0.000252	-0.000252	0	0
48	MP BETA6	PX	-0.000252	-0.000252	0	0
49	MP BETA3	PX	-0.000252	-0.000252	0	0
50	MP ALPHA6	PX	-0.000252	-0.000252	0	0
51	MP ALPHA3	PX	-0.000252	-0.000252	0	0
52	FACE3	PX	-0.001	-0.001	0	0
53	FACE2	PX	-0.001	-0.001	0	0
54	FACE1	PX	-0.000529	-0.000529	0	0
55	CRPLATE6	PX	-4.4e-5	-4.4e-5	0	0
56	CRPLATE5	PX	-4.4e-5	-4.4e-5	0	0
57	CRPLATE4	PX	-4.4e-5	-4.4e-5	0	0
58	CRPLATE3	PX	-4.4e-5	-4.4e-5	0	0
59	CRPLATE2	PX	-4.4e-5	-4.4e-5	0	0
60	CRPLATE1	PX	-4.4e-5	-4.4e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
61	CORNER3	PX	-0.000353	-0.000353	0	0
62	CORNER2	PX	-0.000353	-0.000353	0	0
63	CORNER1	PX	-0.000353	-0.000353	0	0
64	CONNECTION3	PX	-2.2e-5	-2.2e-5	0	0
65	CONNECTION2	PX	-2.2e-5	-2.2e-5	0	0
66	CONNECTION1	PX	-2.2e-5	-2.2e-5	0	0
67	MP ALPHA2	PY	-0.000436	-0.000436	0	0
68	MP ALPHA2	PX	-0.000252	-0.000252	0	0
69	MP BETA2	PY	-0.000436	-0.000436	0	0
70	MP BETA2	PX	-0.000252	-0.000252	0	0
71	MP GAMMA2	PY	-0.000436	-0.000436	0	0
72	MP GAMMA2	PX	-0.000252	-0.000252	0	0
73	MP ALPHA1	PY	-0.000436	-0.000436	0	0
74	MP ALPHA1	PX	-0.000252	-0.000252	0	0
75	MP GAMMA1	PY	-0.000436	-0.000436	0	0
76	MP GAMMA1	PX	-0.000252	-0.000252	0	0
77	MP BETA1	PY	-0.000436	-0.000436	0	0
78	MP BETA1	PX	-0.000252	-0.000252	0	0
79	MP ALPHA5	PY	-0.000436	-0.000436	0	0
80	MP ALPHA5	PX	-0.000252	-0.000252	0	0
81	MP BETA5	PY	-0.000436	-0.000436	0	0
82	MP BETA5	PX	-0.000252	-0.000252	0	0
83	MP GAMMA5	PY	-0.000436	-0.000436	0	0
84	MP GAMMA5	PX	-0.000252	-0.000252	0	0
85	MP ALPHA4	PY	-0.000436	-0.000436	0	0
86	MP ALPHA4	PX	-0.000252	-0.000252	0	0
87	MP GAMMA4	PY	-0.000436	-0.000436	0	0
88	MP GAMMA4	PX	-0.000252	-0.000252	0	0
89	MP BETA4	PY	-0.000436	-0.000436	0	0
90	MP BETA4	PX	-0.000252	-0.000252	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-0.00022	-0.00022	0	0
2	SO3A	PY	-0.00022	-0.00022	0	0
3	SO2B	PY	-0.00022	-0.00022	0	0
4	SO2A	PY	-0.00022	-0.00022	0	0
5	SO1B	PY	-0.00022	-0.00022	0	0
6	SO1A	PY	-0.00022	-0.00022	0	0
7	RAIL3	PY	-0.000441	-0.000441	0	0
8	RAIL2	PY	-0.000441	-0.000441	0	0
9	RAIL1	PY	-0.00022	-0.00022	0	0
10	PLATE3	PY	-4.4e-5	-4.4e-5	0	0
11	PLATE2	PY	-4.4e-5	-4.4e-5	0	0
12	PLATE1	PY	-4.4e-5	-4.4e-5	0	0
13	MP GAMMA6	PY	-0.000252	-0.000252	0	0
14	MP GAMMA3	PY	-0.000252	-0.000252	0	0
15	MP BETA6	PY	-0.000252	-0.000252	0	0
16	MP BETA3	PY	-0.000252	-0.000252	0	0
17	MP ALPHA6	PY	-0.000252	-0.000252	0	0
18	MP ALPHA3	PY	-0.000252	-0.000252	0	0
19	FACE3	PY	-0.001	-0.001	0	0
20	FACE2	PY	-0.001	-0.001	0	0
21	FACE1	PY	-0.000529	-0.000529	0	0
22	CRPLATE6	PY	-4.4e-5	-4.4e-5	0	0
23	CRPLATE5	PY	-4.4e-5	-4.4e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
24	CRPLATE4	PY	-4.4e-5	-4.4e-5	0	0
25	CRPLATE3	PY	-4.4e-5	-4.4e-5	0	0
26	CRPLATE2	PY	-4.4e-5	-4.4e-5	0	0
27	CRPLATE1	PY	-4.4e-5	-4.4e-5	0	0
28	CORNER3	PY	-.000353	-.000353	0	0
29	CORNER2	PY	-.000353	-.000353	0	0
30	CORNER1	PY	-.000353	-.000353	0	0
31	CONNECTION3	PY	-2.2e-5	-2.2e-5	0	0
32	CONNECTION2	PY	-2.2e-5	-2.2e-5	0	0
33	CONNECTION1	PY	-2.2e-5	-2.2e-5	0	0
34	SO3B	PX	-.000382	-.000382	0	0
35	SO3A	PX	-.000382	-.000382	0	0
36	SO2B	PX	-.000382	-.000382	0	0
37	SO2A	PX	-.000382	-.000382	0	0
38	SO1B	PX	-.000382	-.000382	0	0
39	SO1A	PX	-.000382	-.000382	0	0
40	RAIL3	PX	-.000763	-.000763	0	0
41	RAIL2	PX	-.000763	-.000763	0	0
42	RAIL1	PX	-.000382	-.000382	0	0
43	PLATE3	PX	-7.6e-5	-7.6e-5	0	0
44	PLATE2	PX	-7.6e-5	-7.6e-5	0	0
45	PLATE1	PX	-7.6e-5	-7.6e-5	0	0
46	MP GAMMA6	PX	-.000436	-.000436	0	0
47	MP GAMMA3	PX	-.000436	-.000436	0	0
48	MP BETA6	PX	-.000436	-.000436	0	0
49	MP BETA3	PX	-.000436	-.000436	0	0
50	MP ALPHA6	PX	-.000436	-.000436	0	0
51	MP ALPHA3	PX	-.000436	-.000436	0	0
52	FACE3	PX	-.002	-.002	0	0
53	FACE2	PX	-.002	-.002	0	0
54	FACE1	PX	-.000916	-.000916	0	0
55	CRPLATE6	PX	-7.6e-5	-7.6e-5	0	0
56	CRPLATE5	PX	-7.6e-5	-7.6e-5	0	0
57	CRPLATE4	PX	-7.6e-5	-7.6e-5	0	0
58	CRPLATE3	PX	-7.6e-5	-7.6e-5	0	0
59	CRPLATE2	PX	-7.6e-5	-7.6e-5	0	0
60	CRPLATE1	PX	-7.6e-5	-7.6e-5	0	0
61	CORNER3	PX	-.000611	-.000611	0	0
62	CORNER2	PX	-.000611	-.000611	0	0
63	CORNER1	PX	-.000611	-.000611	0	0
64	CONNECTION3	PX	-3.8e-5	-3.8e-5	0	0
65	CONNECTION2	PX	-3.8e-5	-3.8e-5	0	0
66	CONNECTION1	PX	-3.8e-5	-3.8e-5	0	0
67	MP ALPHA2	PY	-.000252	-.000252	0	0
68	MP ALPHA2	PX	-.000436	-.000436	0	0
69	MP BETA2	PY	-.000252	-.000252	0	0
70	MP BETA2	PX	-.000436	-.000436	0	0
71	MP GAMMA2	PY	-.000252	-.000252	0	0
72	MP GAMMA2	PX	-.000436	-.000436	0	0
73	MP ALPHA1	PY	-.000252	-.000252	0	0
74	MP ALPHA1	PX	-.000436	-.000436	0	0
75	MP GAMMA1	PY	-.000252	-.000252	0	0
76	MP GAMMA1	PX	-.000436	-.000436	0	0
77	MP BETA1	PY	-.000252	-.000252	0	0
78	MP BETA1	PX	-.000436	-.000436	0	0
79	MP ALPHA5	PY	-.000252	-.000252	0	0
80	MP ALPHA5	PX	-.000436	-.000436	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
81	MP BETA5	PY	-0.000252	-0.000252	0	0
82	MP BETA5	PX	-0.000436	-0.000436	0	0
83	MP GAMAM5	PY	-0.000252	-0.000252	0	0
84	MP GAMAM5	PX	-0.000436	-0.000436	0	0
85	MP ALPHA4	PY	-0.000252	-0.000252	0	0
86	MP ALPHA4	PX	-0.000436	-0.000436	0	0
87	MP GAMMA4	PY	-0.000252	-0.000252	0	0
88	MP GAMMA4	PX	-0.000436	-0.000436	0	0
89	MP BETA4	PY	-0.000252	-0.000252	0	0
90	MP BETA4	PX	-0.000436	-0.000436	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PX	-0.000441	-0.000441	0	0
2	SO3A	PX	-0.000441	-0.000441	0	0
3	SO2B	PX	-0.000441	-0.000441	0	0
4	SO2A	PX	-0.000441	-0.000441	0	0
5	SO1B	PX	-0.000441	-0.000441	0	0
6	SO1A	PX	-0.000441	-0.000441	0	0
7	RAIL3	PX	-0.000881	-0.000881	0	0
8	RAIL1	PX	-0.000881	-0.000881	0	0
9	RAIL2	PX	-0.000441	-0.000441	0	0
10	PLATE3	PX	-8.8e-5	-8.8e-5	0	0
11	PLATE2	PX	-8.8e-5	-8.8e-5	0	0
12	PLATE1	PX	-8.8e-5	-8.8e-5	0	0
13	MP GAMMA6	PX	-0.000503	-0.000503	0	0
14	MP GAMMA3	PX	-0.000503	-0.000503	0	0
15	MP BETA6	PX	-0.000503	-0.000503	0	0
16	MP BETA3	PX	-0.000503	-0.000503	0	0
17	MP ALPHA6	PX	-0.000503	-0.000503	0	0
18	MP ALPHA3	PX	-0.000503	-0.000503	0	0
19	FACE3	PX	-0.002	-0.002	0	0
20	FACE1	PX	-0.002	-0.002	0	0
21	FACE2	PX	-0.001	-0.001	0	0
22	CRPLATE6	PX	-8.8e-5	-8.8e-5	0	0
23	CRPLATE5	PX	-8.8e-5	-8.8e-5	0	0
24	CRPLATE4	PX	-8.8e-5	-8.8e-5	0	0
25	CRPLATE3	PX	-8.8e-5	-8.8e-5	0	0
26	CRPLATE2	PX	-8.8e-5	-8.8e-5	0	0
27	CRPLATE1	PX	-8.8e-5	-8.8e-5	0	0
28	CORNER3	PX	-0.000705	-0.000705	0	0
29	CORNER2	PX	-0.000705	-0.000705	0	0
30	CORNER1	PX	-0.000705	-0.000705	0	0
31	CONNECTION3	PX	-4.4e-5	-4.4e-5	0	0
32	CONNECTION2	PX	-4.4e-5	-4.4e-5	0	0
33	CONNECTION1	PX	-4.4e-5	-4.4e-5	0	0
34	MP ALPHA2	PX	-0.000503	-0.000503	0	0
35	MP BETA2	PX	-0.000503	-0.000503	0	0
36	MP GAMMA2	PX	-0.000503	-0.000503	0	0
37	MP ALPHA1	PX	-0.000503	-0.000503	0	0
38	MP GAMMA1	PX	-0.000503	-0.000503	0	0
39	MP BETA1	PX	-0.000503	-0.000503	0	0
40	MP ALPHA5	PX	-0.000503	-0.000503	0	0
41	MP BETA5	PX	-0.000503	-0.000503	0	0
42	MP GAMAM5	PX	-0.000503	-0.000503	0	0
43	MP ALPHA4	PX	-0.000503	-0.000503	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
44	MP GAMMA4	PX	-.000503	-.000503	0	0
45	MP BETA4	PX	-.000503	-.000503	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.00022	.00022	0	0
2	SO3A	PY	.00022	.00022	0	0
3	SO2B	PY	.00022	.00022	0	0
4	SO2A	PY	.00022	.00022	0	0
5	SO1B	PY	.00022	.00022	0	0
6	SO1A	PY	.00022	.00022	0	0
7	RAIL3	PY	.000441	.000441	0	0
8	RAIL1	PY	.000441	.000441	0	0
9	RAIL2	PY	.00022	.00022	0	0
10	PLATE3	PY	4.4e-5	4.4e-5	0	0
11	PLATE2	PY	4.4e-5	4.4e-5	0	0
12	PLATE1	PY	4.4e-5	4.4e-5	0	0
13	MP GAMMA6	PY	.000252	.000252	0	0
14	MP GAMMA3	PY	.000252	.000252	0	0
15	MP BETA6	PY	.000252	.000252	0	0
16	MP BETA3	PY	.000252	.000252	0	0
17	MP ALPHA6	PY	.000252	.000252	0	0
18	MP ALPHA3	PY	.000252	.000252	0	0
19	FACE3	PY	.001	.001	0	0
20	FACE1	PY	.001	.001	0	0
21	FACE2	PY	.000529	.000529	0	0
22	CRPLATE6	PY	4.4e-5	4.4e-5	0	0
23	CRPLATE5	PY	4.4e-5	4.4e-5	0	0
24	CRPLATE4	PY	4.4e-5	4.4e-5	0	0
25	CRPLATE3	PY	4.4e-5	4.4e-5	0	0
26	CRPLATE2	PY	4.4e-5	4.4e-5	0	0
27	CRPLATE1	PY	4.4e-5	4.4e-5	0	0
28	CORNER3	PY	.000353	.000353	0	0
29	CORNER2	PY	.000353	.000353	0	0
30	CORNER1	PY	.000353	.000353	0	0
31	CONNECTION3	PY	2.2e-5	2.2e-5	0	0
32	CONNECTION2	PY	2.2e-5	2.2e-5	0	0
33	CONNECTION1	PY	2.2e-5	2.2e-5	0	0
34	SO3B	PX	-.000382	-.000382	0	0
35	SO3A	PX	-.000382	-.000382	0	0
36	SO2B	PX	-.000382	-.000382	0	0
37	SO2A	PX	-.000382	-.000382	0	0
38	SO1B	PX	-.000382	-.000382	0	0
39	SO1A	PX	-.000382	-.000382	0	0
40	RAIL3	PX	-.000763	-.000763	0	0
41	RAIL1	PX	-.000763	-.000763	0	0
42	RAIL2	PX	-.000382	-.000382	0	0
43	PLATE3	PX	-7.6e-5	-7.6e-5	0	0
44	PLATE2	PX	-7.6e-5	-7.6e-5	0	0
45	PLATE1	PX	-7.6e-5	-7.6e-5	0	0
46	MP GAMMA6	PX	-.000436	-.000436	0	0
47	MP GAMMA3	PX	-.000436	-.000436	0	0
48	MP BETA6	PX	-.000436	-.000436	0	0
49	MP BETA3	PX	-.000436	-.000436	0	0
50	MP ALPHA6	PX	-.000436	-.000436	0	0
51	MP ALPHA3	PX	-.000436	-.000436	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
52	FACE3	PX	-.002	-.002	0	0
53	FACE1	PX	-.002	-.002	0	0
54	FACE2	PX	-.000916	-.000916	0	0
55	CRPLATE6	PX	-7.6e-5	-7.6e-5	0	0
56	CRPLATE5	PX	-7.6e-5	-7.6e-5	0	0
57	CRPLATE4	PX	-7.6e-5	-7.6e-5	0	0
58	CRPLATE3	PX	-7.6e-5	-7.6e-5	0	0
59	CRPLATE2	PX	-7.6e-5	-7.6e-5	0	0
60	CRPLATE1	PX	-7.6e-5	-7.6e-5	0	0
61	CORNER3	PX	-.000611	-.000611	0	0
62	CORNER2	PX	-.000611	-.000611	0	0
63	CORNER1	PX	-.000611	-.000611	0	0
64	CONNECTION3	PX	-3.8e-5	-3.8e-5	0	0
65	CONNECTION2	PX	-3.8e-5	-3.8e-5	0	0
66	CONNECTION1	PX	-3.8e-5	-3.8e-5	0	0
67	MP ALPHA2	PY	.000252	.000252	0	0
68	MP ALPHA2	PX	-.000436	-.000436	0	0
69	MP BETA2	PY	.000252	.000252	0	0
70	MP BETA2	PX	-.000436	-.000436	0	0
71	MP GAMMA2	PY	.000252	.000252	0	0
72	MP GAMMA2	PX	-.000436	-.000436	0	0
73	MP ALPHA1	PY	.000252	.000252	0	0
74	MP ALPHA1	PX	-.000436	-.000436	0	0
75	MP GAMMA1	PY	.000252	.000252	0	0
76	MP GAMMA1	PX	-.000436	-.000436	0	0
77	MP BETA1	PY	.000252	.000252	0	0
78	MP BETA1	PX	-.000436	-.000436	0	0
79	MP ALPHA5	PY	.000252	.000252	0	0
80	MP ALPHA5	PX	-.000436	-.000436	0	0
81	MP BETA5	PY	.000252	.000252	0	0
82	MP BETA5	PX	-.000436	-.000436	0	0
83	MP GAMMA5	PY	.000252	.000252	0	0
84	MP GAMMA5	PX	-.000436	-.000436	0	0
85	MP ALPHA4	PY	.000252	.000252	0	0
86	MP ALPHA4	PX	-.000436	-.000436	0	0
87	MP GAMMA4	PY	.000252	.000252	0	0
88	MP GAMMA4	PX	-.000436	-.000436	0	0
89	MP BETA4	PY	.000252	.000252	0	0
90	MP BETA4	PX	-.000436	-.000436	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.000382	.000382	0	0
2	SO3A	PY	.000382	.000382	0	0
3	SO2B	PY	.000382	.000382	0	0
4	SO2A	PY	.000382	.000382	0	0
5	SO1B	PY	.000382	.000382	0	0
6	SO1A	PY	.000382	.000382	0	0
7	RAIL3	PY	.000763	.000763	0	0
8	RAIL1	PY	.000763	.000763	0	0
9	RAIL2	PY	.000382	.000382	0	0
10	PLATE3	PY	7.6e-5	7.6e-5	0	0
11	PLATE2	PY	7.6e-5	7.6e-5	0	0
12	PLATE1	PY	7.6e-5	7.6e-5	0	0
13	MP GAMMA6	PY	.000436	.000436	0	0
14	MP GAMMA3	PY	.000436	.000436	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
15	MP BETA6	PY	.000436	.000436	0	0
16	MP BETA3	PY	.000436	.000436	0	0
17	MP ALPHA6	PY	.000436	.000436	0	0
18	MP ALPHA3	PY	.000436	.000436	0	0
19	FACE3	PY	.002	.002	0	0
20	FACE1	PY	.002	.002	0	0
21	FACE2	PY	.000916	.000916	0	0
22	CRPLATE6	PY	7.6e-5	7.6e-5	0	0
23	CRPLATE5	PY	7.6e-5	7.6e-5	0	0
24	CRPLATE4	PY	7.6e-5	7.6e-5	0	0
25	CRPLATE3	PY	7.6e-5	7.6e-5	0	0
26	CRPLATE2	PY	7.6e-5	7.6e-5	0	0
27	CRPLATE1	PY	7.6e-5	7.6e-5	0	0
28	CORNER3	PY	.000611	.000611	0	0
29	CORNER2	PY	.000611	.000611	0	0
30	CORNER1	PY	.000611	.000611	0	0
31	CONNECTION3	PY	3.8e-5	3.8e-5	0	0
32	CONNECTION2	PY	3.8e-5	3.8e-5	0	0
33	CONNECTION1	PY	3.8e-5	3.8e-5	0	0
34	SO3B	PX	-.00022	-.00022	0	0
35	SO3A	PX	-.00022	-.00022	0	0
36	SO2B	PX	-.00022	-.00022	0	0
37	SO2A	PX	-.00022	-.00022	0	0
38	SO1B	PX	-.00022	-.00022	0	0
39	SO1A	PX	-.00022	-.00022	0	0
40	RAIL3	PX	-.000441	-.000441	0	0
41	RAIL1	PX	-.000441	-.000441	0	0
42	RAIL2	PX	-.00022	-.00022	0	0
43	PLATE3	PX	-4.4e-5	-4.4e-5	0	0
44	PLATE2	PX	-4.4e-5	-4.4e-5	0	0
45	PLATE1	PX	-4.4e-5	-4.4e-5	0	0
46	MP GAMMA6	PX	-.000252	-.000252	0	0
47	MP GAMMA3	PX	-.000252	-.000252	0	0
48	MP BETA6	PX	-.000252	-.000252	0	0
49	MP BETA3	PX	-.000252	-.000252	0	0
50	MP ALPHA6	PX	-.000252	-.000252	0	0
51	MP ALPHA3	PX	-.000252	-.000252	0	0
52	FACE3	PX	-.001	-.001	0	0
53	FACE1	PX	-.001	-.001	0	0
54	FACE2	PX	-.000529	-.000529	0	0
55	CRPLATE6	PX	-4.4e-5	-4.4e-5	0	0
56	CRPLATE5	PX	-4.4e-5	-4.4e-5	0	0
57	CRPLATE4	PX	-4.4e-5	-4.4e-5	0	0
58	CRPLATE3	PX	-4.4e-5	-4.4e-5	0	0
59	CRPLATE2	PX	-4.4e-5	-4.4e-5	0	0
60	CRPLATE1	PX	-4.4e-5	-4.4e-5	0	0
61	CORNER3	PX	-.000353	-.000353	0	0
62	CORNER2	PX	-.000353	-.000353	0	0
63	CORNER1	PX	-.000353	-.000353	0	0
64	CONNECTION3	PX	-2.2e-5	-2.2e-5	0	0
65	CONNECTION2	PX	-2.2e-5	-2.2e-5	0	0
66	CONNECTION1	PX	-2.2e-5	-2.2e-5	0	0
67	MP ALPHA2	PY	.000436	.000436	0	0
68	MP ALPHA2	PX	-.000252	-.000252	0	0
69	MP BETA2	PY	.000436	.000436	0	0
70	MP BETA2	PX	-.000252	-.000252	0	0
71	MP GAMMA2	PY	.000436	.000436	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
72	MP GAMMA2	PX	-.000252	-.000252	0	0
73	MP ALPHA1	PY	.000436	.000436	0	0
74	MP ALPHA1	PX	-.000252	-.000252	0	0
75	MP GAMMA1	PY	.000436	.000436	0	0
76	MP GAMMA1	PX	-.000252	-.000252	0	0
77	MP BETA1	PY	.000436	.000436	0	0
78	MP BETA1	PX	-.000252	-.000252	0	0
79	MP ALPHA5	PY	.000436	.000436	0	0
80	MP ALPHA5	PX	-.000252	-.000252	0	0
81	MP BETA5	PY	.000436	.000436	0	0
82	MP BETA5	PX	-.000252	-.000252	0	0
83	MP GAMAM5	PY	.000436	.000436	0	0
84	MP GAMAM5	PX	-.000252	-.000252	0	0
85	MP ALPHA4	PY	.000436	.000436	0	0
86	MP ALPHA4	PX	-.000252	-.000252	0	0
87	MP GAMMA4	PY	.000436	.000436	0	0
88	MP GAMMA4	PX	-.000252	-.000252	0	0
89	MP BETA4	PY	.000436	.000436	0	0
90	MP BETA4	PX	-.000252	-.000252	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	SO3B	PY	.000441	.000441	0	0
2	SO3A	PY	.000441	.000441	0	0
3	SO2B	PY	.000441	.000441	0	0
4	SO2A	PY	.000441	.000441	0	0
5	SO1B	PY	.000441	.000441	0	0
6	SO1A	PY	.000441	.000441	0	0
7	RAIL3	PY	.000881	.000881	0	0
8	RAIL1	PY	.000881	.000881	0	0
9	RAIL2	PY	.000441	.000441	0	0
10	PLATE3	PY	8.8e-5	8.8e-5	0	0
11	PLATE2	PY	8.8e-5	8.8e-5	0	0
12	PLATE1	PY	8.8e-5	8.8e-5	0	0
13	MP GAMMA6	PY	.000503	.000503	0	0
14	MP GAMMA3	PY	.000503	.000503	0	0
15	MP BETA6	PY	.000503	.000503	0	0
16	MP BETA3	PY	.000503	.000503	0	0
17	MP ALPHA6	PY	.000503	.000503	0	0
18	MP ALPHA3	PY	.000503	.000503	0	0
19	FACE3	PY	.002	.002	0	0
20	FACE1	PY	.002	.002	0	0
21	FACE2	PY	.001	.001	0	0
22	CRPLATE6	PY	8.8e-5	8.8e-5	0	0
23	CRPLATE5	PY	8.8e-5	8.8e-5	0	0
24	CRPLATE4	PY	8.8e-5	8.8e-5	0	0
25	CRPLATE3	PY	8.8e-5	8.8e-5	0	0
26	CRPLATE2	PY	8.8e-5	8.8e-5	0	0
27	CRPLATE1	PY	8.8e-5	8.8e-5	0	0
28	CORNER3	PY	.000705	.000705	0	0
29	CORNER2	PY	.000705	.000705	0	0
30	CORNER1	PY	.000705	.000705	0	0
31	CONNECTION3	PY	4.4e-5	4.4e-5	0	0
32	CONNECTION2	PY	4.4e-5	4.4e-5	0	0
33	CONNECTION1	PY	4.4e-5	4.4e-5	0	0
34	MP ALPHA2	PY	.000503	.000503	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
35	MP BETA2	PY	.000503	.000503	0	0
36	MP GAMMA2	PY	.000503	.000503	0	0
37	MP ALPHA1	PY	.000503	.000503	0	0
38	MP GAMMA1	PY	.000503	.000503	0	0
39	MP BETA1	PY	.000503	.000503	0	0
40	MP ALPHA5	PY	.000503	.000503	0	0
41	MP BETA5	PY	.000503	.000503	0	0
42	MP GAMMA5	PY	.000503	.000503	0	0
43	MP ALPHA4	PY	.000503	.000503	0	0
44	MP GAMMA4	PY	.000503	.000503	0	0
45	MP BETA4	PY	.000503	.000503	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.000382	.000382	0	0
2	SO3A	PY	.000382	.000382	0	0
3	SO2B	PY	.000382	.000382	0	0
4	SO2A	PY	.000382	.000382	0	0
5	SO1B	PY	.000382	.000382	0	0
6	SO1A	PY	.000382	.000382	0	0
7	RAIL1	PY	.000763	.000763	0	0
8	RAIL2	PY	.000763	.000763	0	0
9	RAIL3	PY	.000382	.000382	0	0
10	PLATE3	PY	7.6e-5	7.6e-5	0	0
11	PLATE2	PY	7.6e-5	7.6e-5	0	0
12	PLATE1	PY	7.6e-5	7.6e-5	0	0
13	MP GAMMA6	PY	.000436	.000436	0	0
14	MP GAMMA3	PY	.000436	.000436	0	0
15	MP BETA6	PY	.000436	.000436	0	0
16	MP BETA3	PY	.000436	.000436	0	0
17	MP ALPHA6	PY	.000436	.000436	0	0
18	MP ALPHA3	PY	.000436	.000436	0	0
19	FACE1	PY	.002	.002	0	0
20	FACE2	PY	.002	.002	0	0
21	FACE3	PY	.000916	.000916	0	0
22	CRPLATE6	PY	7.6e-5	7.6e-5	0	0
23	CRPLATE5	PY	7.6e-5	7.6e-5	0	0
24	CRPLATE4	PY	7.6e-5	7.6e-5	0	0
25	CRPLATE3	PY	7.6e-5	7.6e-5	0	0
26	CRPLATE2	PY	7.6e-5	7.6e-5	0	0
27	CRPLATE1	PY	7.6e-5	7.6e-5	0	0
28	CORNER3	PY	.000611	.000611	0	0
29	CORNER2	PY	.000611	.000611	0	0
30	CORNER1	PY	.000611	.000611	0	0
31	CONNECTION3	PY	3.8e-5	3.8e-5	0	0
32	CONNECTION2	PY	3.8e-5	3.8e-5	0	0
33	CONNECTION1	PY	3.8e-5	3.8e-5	0	0
34	SO3B	PX	.00022	.00022	0	0
35	SO3A	PX	.00022	.00022	0	0
36	SO2B	PX	.00022	.00022	0	0
37	SO2A	PX	.00022	.00022	0	0
38	SO1B	PX	.00022	.00022	0	0
39	SO1A	PX	.00022	.00022	0	0
40	RAIL1	PX	.000441	.000441	0	0
41	RAIL2	PX	.000441	.000441	0	0
42	RAIL3	PX	.00022	.00022	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft.F,...	Start Location[ft, %]	End Location[ft, %]
43	PLATE3	PX	4.4e-5	4.4e-5	0	0
44	PLATE2	PX	4.4e-5	4.4e-5	0	0
45	PLATE1	PX	4.4e-5	4.4e-5	0	0
46	MP GAMMA6	PX	.000252	.000252	0	0
47	MP GAMMA3	PX	.000252	.000252	0	0
48	MP BETA6	PX	.000252	.000252	0	0
49	MP BETA3	PX	.000252	.000252	0	0
50	MP ALPHA6	PX	.000252	.000252	0	0
51	MP ALPHA3	PX	.000252	.000252	0	0
52	FACE1	PX	.001	.001	0	0
53	FACE2	PX	.001	.001	0	0
54	FACE3	PX	.000529	.000529	0	0
55	CRPLATE6	PX	4.4e-5	4.4e-5	0	0
56	CRPLATE5	PX	4.4e-5	4.4e-5	0	0
57	CRPLATE4	PX	4.4e-5	4.4e-5	0	0
58	CRPLATE3	PX	4.4e-5	4.4e-5	0	0
59	CRPLATE2	PX	4.4e-5	4.4e-5	0	0
60	CRPLATE1	PX	4.4e-5	4.4e-5	0	0
61	CORNER3	PX	.000353	.000353	0	0
62	CORNER2	PX	.000353	.000353	0	0
63	CORNER1	PX	.000353	.000353	0	0
64	CONNECTION3	PX	2.2e-5	2.2e-5	0	0
65	CONNECTION2	PX	2.2e-5	2.2e-5	0	0
66	CONNECTION1	PX	2.2e-5	2.2e-5	0	0
67	MP ALPHA2	PY	.000436	.000436	0	0
68	MP ALPHA2	PX	.000252	.000252	0	0
69	MP BETA2	PY	.000436	.000436	0	0
70	MP BETA2	PX	.000252	.000252	0	0
71	MP GAMMA2	PY	.000436	.000436	0	0
72	MP GAMMA2	PX	.000252	.000252	0	0
73	MP ALPHA1	PY	.000436	.000436	0	0
74	MP ALPHA1	PX	.000252	.000252	0	0
75	MP GAMMA1	PY	.000436	.000436	0	0
76	MP GAMMA1	PX	.000252	.000252	0	0
77	MP BETA1	PY	.000436	.000436	0	0
78	MP BETA1	PX	.000252	.000252	0	0
79	MP ALPHA5	PY	.000436	.000436	0	0
80	MP ALPHA5	PX	.000252	.000252	0	0
81	MP BETA5	PY	.000436	.000436	0	0
82	MP BETA5	PX	.000252	.000252	0	0
83	MP GAMMA5	PY	.000436	.000436	0	0
84	MP GAMMA5	PX	.000252	.000252	0	0
85	MP ALPHA4	PY	.000436	.000436	0	0
86	MP ALPHA4	PX	.000252	.000252	0	0
87	MP GAMMA4	PY	.000436	.000436	0	0
88	MP GAMMA4	PX	.000252	.000252	0	0
89	MP BETA4	PY	.000436	.000436	0	0
90	MP BETA4	PX	.000252	.000252	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft.F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.00022	.00022	0	0
2	SO3A	PY	.00022	.00022	0	0
3	SO2B	PY	.00022	.00022	0	0
4	SO2A	PY	.00022	.00022	0	0
5	SO1B	PY	.00022	.00022	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
6	SO1A	PY	.00022	.00022	0	0
7	RAIL1	PY	.000441	.000441	0	0
8	RAIL2	PY	.000441	.000441	0	0
9	RAIL3	PY	.00022	.00022	0	0
10	PLATE3	PY	4.4e-5	4.4e-5	0	0
11	PLATE2	PY	4.4e-5	4.4e-5	0	0
12	PLATE1	PY	4.4e-5	4.4e-5	0	0
13	MP GAMMA6	PY	.000252	.000252	0	0
14	MP GAMMA3	PY	.000252	.000252	0	0
15	MP BETA6	PY	.000252	.000252	0	0
16	MP BETA3	PY	.000252	.000252	0	0
17	MP ALPHA6	PY	.000252	.000252	0	0
18	MP ALPHA3	PY	.000252	.000252	0	0
19	FACE1	PY	.001	.001	0	0
20	FACE2	PY	.001	.001	0	0
21	FACE3	PY	.000529	.000529	0	0
22	CRPLATE6	PY	4.4e-5	4.4e-5	0	0
23	CRPLATE5	PY	4.4e-5	4.4e-5	0	0
24	CRPLATE4	PY	4.4e-5	4.4e-5	0	0
25	CRPLATE3	PY	4.4e-5	4.4e-5	0	0
26	CRPLATE2	PY	4.4e-5	4.4e-5	0	0
27	CRPLATE1	PY	4.4e-5	4.4e-5	0	0
28	CORNER3	PY	.000353	.000353	0	0
29	CORNER2	PY	.000353	.000353	0	0
30	CORNER1	PY	.000353	.000353	0	0
31	CONNECTION3	PY	2.2e-5	2.2e-5	0	0
32	CONNECTION2	PY	2.2e-5	2.2e-5	0	0
33	CONNECTION1	PY	2.2e-5	2.2e-5	0	0
34	SO3B	PX	.000382	.000382	0	0
35	SO3A	PX	.000382	.000382	0	0
36	SO2B	PX	.000382	.000382	0	0
37	SO2A	PX	.000382	.000382	0	0
38	SO1B	PX	.000382	.000382	0	0
39	SO1A	PX	.000382	.000382	0	0
40	RAIL1	PX	.000763	.000763	0	0
41	RAIL2	PX	.000763	.000763	0	0
42	RAIL3	PX	.000382	.000382	0	0
43	PLATE3	PX	7.6e-5	7.6e-5	0	0
44	PLATE2	PX	7.6e-5	7.6e-5	0	0
45	PLATE1	PX	7.6e-5	7.6e-5	0	0
46	MP GAMMA6	PX	.000436	.000436	0	0
47	MP GAMMA3	PX	.000436	.000436	0	0
48	MP BETA6	PX	.000436	.000436	0	0
49	MP BETA3	PX	.000436	.000436	0	0
50	MP ALPHA6	PX	.000436	.000436	0	0
51	MP ALPHA3	PX	.000436	.000436	0	0
52	FACE1	PX	.002	.002	0	0
53	FACE2	PX	.002	.002	0	0
54	FACE3	PX	.000916	.000916	0	0
55	CRPLATE6	PX	7.6e-5	7.6e-5	0	0
56	CRPLATE5	PX	7.6e-5	7.6e-5	0	0
57	CRPLATE4	PX	7.6e-5	7.6e-5	0	0
58	CRPLATE3	PX	7.6e-5	7.6e-5	0	0
59	CRPLATE2	PX	7.6e-5	7.6e-5	0	0
60	CRPLATE1	PX	7.6e-5	7.6e-5	0	0
61	CORNER3	PX	.000611	.000611	0	0
62	CORNER2	PX	.000611	.000611	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
63	CORNER1	PX	.000611	.000611	0	0
64	CONNECTION3	PX	3.8e-5	3.8e-5	0	0
65	CONNECTION2	PX	3.8e-5	3.8e-5	0	0
66	CONNECTION1	PX	3.8e-5	3.8e-5	0	0
67	MP ALPHA2	PY	.000252	.000252	0	0
68	MP ALPHA2	PX	.000436	.000436	0	0
69	MP BETA2	PY	.000252	.000252	0	0
70	MP BETA2	PX	.000436	.000436	0	0
71	MP GAMMA2	PY	.000252	.000252	0	0
72	MP GAMMA2	PX	.000436	.000436	0	0
73	MP ALPHA1	PY	.000252	.000252	0	0
74	MP ALPHA1	PX	.000436	.000436	0	0
75	MP GAMMA1	PY	.000252	.000252	0	0
76	MP GAMMA1	PX	.000436	.000436	0	0
77	MP BETA1	PY	.000252	.000252	0	0
78	MP BETA1	PX	.000436	.000436	0	0
79	MP ALPHA5	PY	.000252	.000252	0	0
80	MP ALPHA5	PX	.000436	.000436	0	0
81	MP BETA5	PY	.000252	.000252	0	0
82	MP BETA5	PX	.000436	.000436	0	0
83	MP GAMMA5	PY	.000252	.000252	0	0
84	MP GAMMA5	PX	.000436	.000436	0	0
85	MP ALPHA4	PY	.000252	.000252	0	0
86	MP ALPHA4	PX	.000436	.000436	0	0
87	MP GAMMA4	PY	.000252	.000252	0	0
88	MP GAMMA4	PX	.000436	.000436	0	0
89	MP BETA4	PY	.000252	.000252	0	0
90	MP BETA4	PX	.000436	.000436	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PX	.000441	.000441	0	0
2	SO3A	PX	.000441	.000441	0	0
3	SO2B	PX	.000441	.000441	0	0
4	SO2A	PX	.000441	.000441	0	0
5	SO1B	PX	.000441	.000441	0	0
6	SO1A	PX	.000441	.000441	0	0
7	RAIL1	PX	.000881	.000881	0	0
8	RAIL2	PX	.000881	.000881	0	0
9	RAIL3	PX	.000441	.000441	0	0
10	PLATE3	PX	8.8e-5	8.8e-5	0	0
11	PLATE2	PX	8.8e-5	8.8e-5	0	0
12	PLATE1	PX	8.8e-5	8.8e-5	0	0
13	MP GAMMA6	PX	.000503	.000503	0	0
14	MP GAMMA3	PX	.000503	.000503	0	0
15	MP BETA6	PX	.000503	.000503	0	0
16	MP BETA3	PX	.000503	.000503	0	0
17	MP ALPHA6	PX	.000503	.000503	0	0
18	MP ALPHA3	PX	.000503	.000503	0	0
19	FACE1	PX	.002	.002	0	0
20	FACE2	PX	.002	.002	0	0
21	FACE3	PX	.001	.001	0	0
22	CRPLATE6	PX	8.8e-5	8.8e-5	0	0
23	CRPLATE5	PX	8.8e-5	8.8e-5	0	0
24	CRPLATE4	PX	8.8e-5	8.8e-5	0	0
25	CRPLATE3	PX	8.8e-5	8.8e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
26	CRPLATE2	PX	8.8e-5	8.8e-5	0	0
27	CRPLATE1	PX	8.8e-5	8.8e-5	0	0
28	CORNER3	PX	.000705	.000705	0	0
29	CORNER2	PX	.000705	.000705	0	0
30	CORNER1	PX	.000705	.000705	0	0
31	CONNECTION3	PX	4.4e-5	4.4e-5	0	0
32	CONNECTION2	PX	4.4e-5	4.4e-5	0	0
33	CONNECTION1	PX	4.4e-5	4.4e-5	0	0
34	MP ALPHA2	PX	.000503	.000503	0	0
35	MP BETA2	PX	.000503	.000503	0	0
36	MP GAMMA2	PX	.000503	.000503	0	0
37	MP ALPHA1	PX	.000503	.000503	0	0
38	MP GAMMA1	PX	.000503	.000503	0	0
39	MP BETA1	PX	.000503	.000503	0	0
40	MP ALPHA5	PX	.000503	.000503	0	0
41	MP BETA5	PX	.000503	.000503	0	0
42	MP GAMMA5	PX	.000503	.000503	0	0
43	MP ALPHA4	PX	.000503	.000503	0	0
44	MP GAMMA4	PX	.000503	.000503	0	0
45	MP BETA4	PX	.000503	.000503	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-.00022	-.00022	0	0
2	SO3A	PY	-.00022	-.00022	0	0
3	SO2B	PY	-.00022	-.00022	0	0
4	SO2A	PY	-.00022	-.00022	0	0
5	SO1B	PY	-.00022	-.00022	0	0
6	SO1A	PY	-.00022	-.00022	0	0
7	RAIL1	PY	-.000441	-.000441	0	0
8	RAIL2	PY	-.000441	-.000441	0	0
9	RAIL3	PY	-.00022	-.00022	0	0
10	PLATE3	PY	-4.4e-5	-4.4e-5	0	0
11	PLATE2	PY	-4.4e-5	-4.4e-5	0	0
12	PLATE1	PY	-4.4e-5	-4.4e-5	0	0
13	MP GAMMA6	PY	-.000252	-.000252	0	0
14	MP GAMMA3	PY	-.000252	-.000252	0	0
15	MP BETA6	PY	-.000252	-.000252	0	0
16	MP BETA3	PY	-.000252	-.000252	0	0
17	MP ALPHA6	PY	-.000252	-.000252	0	0
18	MP ALPHA3	PY	-.000252	-.000252	0	0
19	FACE1	PY	-.001	-.001	0	0
20	FACE2	PY	-.001	-.001	0	0
21	FACE3	PY	-.000529	-.000529	0	0
22	CRPLATE6	PY	-4.4e-5	-4.4e-5	0	0
23	CRPLATE5	PY	-4.4e-5	-4.4e-5	0	0
24	CRPLATE4	PY	-4.4e-5	-4.4e-5	0	0
25	CRPLATE3	PY	-4.4e-5	-4.4e-5	0	0
26	CRPLATE2	PY	-4.4e-5	-4.4e-5	0	0
27	CRPLATE1	PY	-4.4e-5	-4.4e-5	0	0
28	CORNER3	PY	-.000353	-.000353	0	0
29	CORNER2	PY	-.000353	-.000353	0	0
30	CORNER1	PY	-.000353	-.000353	0	0
31	CONNECTION3	PY	-2.2e-5	-2.2e-5	0	0
32	CONNECTION2	PY	-2.2e-5	-2.2e-5	0	0
33	CONNECTION1	PY	-2.2e-5	-2.2e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
34	SO3B	PX	.000382	.000382	0	0
35	SO3A	PX	.000382	.000382	0	0
36	SO2B	PX	.000382	.000382	0	0
37	SO2A	PX	.000382	.000382	0	0
38	SO1B	PX	.000382	.000382	0	0
39	SO1A	PX	.000382	.000382	0	0
40	RAIL1	PX	.000763	.000763	0	0
41	RAIL2	PX	.000763	.000763	0	0
42	RAIL3	PX	.000382	.000382	0	0
43	PLATE3	PX	7.6e-5	7.6e-5	0	0
44	PLATE2	PX	7.6e-5	7.6e-5	0	0
45	PLATE1	PX	7.6e-5	7.6e-5	0	0
46	MP GAMMA6	PX	.000436	.000436	0	0
47	MP GAMMA3	PX	.000436	.000436	0	0
48	MP BETA6	PX	.000436	.000436	0	0
49	MP BETA3	PX	.000436	.000436	0	0
50	MP ALPHA6	PX	.000436	.000436	0	0
51	MP ALPHA3	PX	.000436	.000436	0	0
52	FACE1	PX	.002	.002	0	0
53	FACE2	PX	.002	.002	0	0
54	FACE3	PX	.000916	.000916	0	0
55	CRPLATE6	PX	7.6e-5	7.6e-5	0	0
56	CRPLATE5	PX	7.6e-5	7.6e-5	0	0
57	CRPLATE4	PX	7.6e-5	7.6e-5	0	0
58	CRPLATE3	PX	7.6e-5	7.6e-5	0	0
59	CRPLATE2	PX	7.6e-5	7.6e-5	0	0
60	CRPLATE1	PX	7.6e-5	7.6e-5	0	0
61	CORNER3	PX	.000611	.000611	0	0
62	CORNER2	PX	.000611	.000611	0	0
63	CORNER1	PX	.000611	.000611	0	0
64	CONNECTION3	PX	3.8e-5	3.8e-5	0	0
65	CONNECTION2	PX	3.8e-5	3.8e-5	0	0
66	CONNECTION1	PX	3.8e-5	3.8e-5	0	0
67	MP ALPHA2	PY	-.000252	-.000252	0	0
68	MP ALPHA2	PX	.000436	.000436	0	0
69	MP BETA2	PY	-.000252	-.000252	0	0
70	MP BETA2	PX	.000436	.000436	0	0
71	MP GAMMA2	PY	-.000252	-.000252	0	0
72	MP GAMMA2	PX	.000436	.000436	0	0
73	MP ALPHA1	PY	-.000252	-.000252	0	0
74	MP ALPHA1	PX	.000436	.000436	0	0
75	MP GAMMA1	PY	-.000252	-.000252	0	0
76	MP GAMMA1	PX	.000436	.000436	0	0
77	MP BETA1	PY	-.000252	-.000252	0	0
78	MP BETA1	PX	.000436	.000436	0	0
79	MP ALPHA5	PY	-.000252	-.000252	0	0
80	MP ALPHA5	PX	.000436	.000436	0	0
81	MP BETA5	PY	-.000252	-.000252	0	0
82	MP BETA5	PX	.000436	.000436	0	0
83	MP GAMMA5	PY	-.000252	-.000252	0	0
84	MP GAMMA5	PX	.000436	.000436	0	0
85	MP ALPHA4	PY	-.000252	-.000252	0	0
86	MP ALPHA4	PX	.000436	.000436	0	0
87	MP GAMMA4	PY	-.000252	-.000252	0	0
88	MP GAMMA4	PX	.000436	.000436	0	0
89	MP BETA4	PY	-.000252	-.000252	0	0
90	MP BETA4	PX	.000436	.000436	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft. %]	End Location[ft. %]
1	SO3B	PY	-0.000382	-0.000382	0	0
2	SO3A	PY	-0.000382	-0.000382	0	0
3	SO2B	PY	-0.000382	-0.000382	0	0
4	SO2A	PY	-0.000382	-0.000382	0	0
5	SO1B	PY	-0.000382	-0.000382	0	0
6	SO1A	PY	-0.000382	-0.000382	0	0
7	RAIL3	PY	-0.000763	-0.000763	0	0
8	RAIL2	PY	-0.000763	-0.000763	0	0
9	RAIL1	PY	-0.000382	-0.000382	0	0
10	PLATE3	PY	-7.6e-5	-7.6e-5	0	0
11	PLATE2	PY	-7.6e-5	-7.6e-5	0	0
12	PLATE1	PY	-7.6e-5	-7.6e-5	0	0
13	MP GAMMA6	PY	-0.000436	-0.000436	0	0
14	MP GAMMA3	PY	-0.000436	-0.000436	0	0
15	MP BETA6	PY	-0.000436	-0.000436	0	0
16	MP BETA3	PY	-0.000436	-0.000436	0	0
17	MP ALPHA6	PY	-0.000436	-0.000436	0	0
18	MP ALPHA3	PY	-0.000436	-0.000436	0	0
19	FACE3	PY	-0.002	-0.002	0	0
20	FACE2	PY	-0.002	-0.002	0	0
21	FACE1	PY	-0.000916	-0.000916	0	0
22	CRPLATE6	PY	-7.6e-5	-7.6e-5	0	0
23	CRPLATE5	PY	-7.6e-5	-7.6e-5	0	0
24	CRPLATE4	PY	-7.6e-5	-7.6e-5	0	0
25	CRPLATE3	PY	-7.6e-5	-7.6e-5	0	0
26	CRPLATE2	PY	-7.6e-5	-7.6e-5	0	0
27	CRPLATE1	PY	-7.6e-5	-7.6e-5	0	0
28	CORNER3	PY	-0.000611	-0.000611	0	0
29	CORNER2	PY	-0.000611	-0.000611	0	0
30	CORNER1	PY	-0.000611	-0.000611	0	0
31	CONNECTION3	PY	-3.8e-5	-3.8e-5	0	0
32	CONNECTION2	PY	-3.8e-5	-3.8e-5	0	0
33	CONNECTION1	PY	-3.8e-5	-3.8e-5	0	0
34	SO3B	PX	.00022	.00022	0	0
35	SO3A	PX	.00022	.00022	0	0
36	SO2B	PX	.00022	.00022	0	0
37	SO2A	PX	.00022	.00022	0	0
38	SO1B	PX	.00022	.00022	0	0
39	SO1A	PX	.00022	.00022	0	0
40	RAIL3	PX	.000441	.000441	0	0
41	RAIL2	PX	.000441	.000441	0	0
42	RAIL1	PX	.00022	.00022	0	0
43	PLATE3	PX	4.4e-5	4.4e-5	0	0
44	PLATE2	PX	4.4e-5	4.4e-5	0	0
45	PLATE1	PX	4.4e-5	4.4e-5	0	0
46	MP GAMMA6	PX	.000252	.000252	0	0
47	MP GAMMA3	PX	.000252	.000252	0	0
48	MP BETA6	PX	.000252	.000252	0	0
49	MP BETA3	PX	.000252	.000252	0	0
50	MP ALPHA6	PX	.000252	.000252	0	0
51	MP ALPHA3	PX	.000252	.000252	0	0
52	FACE3	PX	.001	.001	0	0
53	FACE2	PX	.001	.001	0	0
54	FACE1	PX	.000529	.000529	0	0
55	CRPLATE6	PX	4.4e-5	4.4e-5	0	0
56	CRPLATE5	PX	4.4e-5	4.4e-5	0	0
57	CRPLATE4	PX	4.4e-5	4.4e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
58	CRPLATE3	PX	4.4e-5	4.4e-5	0	0
59	CRPLATE2	PX	4.4e-5	4.4e-5	0	0
60	CRPLATE1	PX	4.4e-5	4.4e-5	0	0
61	CORNER3	PX	.000353	.000353	0	0
62	CORNER2	PX	.000353	.000353	0	0
63	CORNER1	PX	.000353	.000353	0	0
64	CONNECTION3	PX	2.2e-5	2.2e-5	0	0
65	CONNECTION2	PX	2.2e-5	2.2e-5	0	0
66	CONNECTION1	PX	2.2e-5	2.2e-5	0	0
67	MP ALPHA2	PY	-.000436	-.000436	0	0
68	MP ALPHA2	PX	.000252	.000252	0	0
69	MP BETA2	PY	-.000436	-.000436	0	0
70	MP BETA2	PX	.000252	.000252	0	0
71	MP GAMMA2	PY	-.000436	-.000436	0	0
72	MP GAMMA2	PX	.000252	.000252	0	0
73	MP ALPHA1	PY	-.000436	-.000436	0	0
74	MP ALPHA1	PX	.000252	.000252	0	0
75	MP GAMMA1	PY	-.000436	-.000436	0	0
76	MP GAMMA1	PX	.000252	.000252	0	0
77	MP BETA1	PY	-.000436	-.000436	0	0
78	MP BETA1	PX	.000252	.000252	0	0
79	MP ALPHA5	PY	-.000436	-.000436	0	0
80	MP ALPHA5	PX	.000252	.000252	0	0
81	MP BETA5	PY	-.000436	-.000436	0	0
82	MP BETA5	PX	.000252	.000252	0	0
83	MP GAMMA5	PY	-.000436	-.000436	0	0
84	MP GAMMA5	PX	.000252	.000252	0	0
85	MP ALPHA4	PY	-.000436	-.000436	0	0
86	MP ALPHA4	PX	.000252	.000252	0	0
87	MP GAMMA4	PY	-.000436	-.000436	0	0
88	MP GAMMA4	PX	.000252	.000252	0	0
89	MP BETA4	PY	-.000436	-.000436	0	0
90	MP BETA4	PX	.000252	.000252	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	Z	-.009	-.009	0	0
2	SO3A	Z	-.009	-.009	0	0
3	SO2B	Z	-.009	-.009	0	0
4	SO2A	Z	-.009	-.009	0	0
5	SO1B	Z	-.009	-.009	0	0
6	SO1A	Z	-.009	-.009	0	0
7	RAIL3	Z	-.007	-.007	0	0
8	RAIL2	Z	-.007	-.007	0	0
9	RAIL1	Z	-.007	-.007	0	0
10	PLATE3	Z	-.007	-.007	0	0
11	PLATE2	Z	-.007	-.007	0	0
12	PLATE1	Z	-.007	-.007	0	0
13	MP GAMMA6	Z	-.005	-.005	0	0
14	MP GAMMA3	Z	-.005	-.005	0	0
15	MP BETA6	Z	-.005	-.005	0	0
16	MP BETA3	Z	-.005	-.005	0	0
17	MP ALPHA6	Z	-.005	-.005	0	0
18	MP ALPHA3	Z	-.005	-.005	0	0
19	FACE3	Z	-.011	-.011	0	0
20	FACE2	Z	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
21	FACE1	Z	-.011	-.011	0	0
22	CRPLATE6	Z	-.007	-.007	0	0
23	CRPLATE5	Z	-.007	-.007	0	0
24	CRPLATE4	Z	-.007	-.007	0	0
25	CRPLATE3	Z	-.007	-.007	0	0
26	CRPLATE2	Z	-.007	-.007	0	0
27	CRPLATE1	Z	-.007	-.007	0	0
28	CORNER3	Z	-.009	-.009	0	0
29	CORNER2	Z	-.009	-.009	0	0
30	CORNER1	Z	-.009	-.009	0	0
31	CONNECTION3	Z	-.008	-.008	0	0
32	CONNECTION2	Z	-.008	-.008	0	0
33	CONNECTION1	Z	-.008	-.008	0	0
34	MP ALPHA2	Z	-.005	-.005	0	0
35	MP BETA2	Z	-.005	-.005	0	0
36	MP GAMMA2	Z	-.005	-.005	0	0
37	MP ALPHA1	Z	-.005	-.005	0	0
38	MP GAMMA1	Z	-.005	-.005	0	0
39	MP BETA1	Z	-.005	-.005	0	0
40	MP ALPHA5	Z	-.005	-.005	0	0
41	MP BETA5	Z	-.005	-.005	0	0
42	MP GAMMA5	Z	-.005	-.005	0	0
43	MP ALPHA4	Z	-.005	-.005	0	0
44	MP GAMMA4	Z	-.005	-.005	0	0
45	MP BETA4	Z	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-.001	-.001	0	0
2	SO3A	PY	-.001	-.001	0	0
3	SO2B	PY	-.001	-.001	0	0
4	SO2A	PY	-.001	-.001	0	0
5	SO1B	PY	-.001	-.001	0	0
6	SO1A	PY	-.001	-.001	0	0
7	RAIL3	PY	-.003	-.003	0	0
8	RAIL2	PY	-.003	-.003	0	0
9	RAIL1	PY	-.002	-.002	0	0
10	PLATE3	PY	-.000951	-.000951	0	0
11	PLATE2	PY	-.000951	-.000951	0	0
12	PLATE1	PY	-.000951	-.000951	0	0
13	MP GAMMA6	PY	-.003	-.003	0	0
14	MP GAMMA3	PY	-.003	-.003	0	0
15	MP BETA6	PY	-.003	-.003	0	0
16	MP BETA3	PY	-.003	-.003	0	0
17	MP ALPHA6	PY	-.003	-.003	0	0
18	MP ALPHA3	PY	-.003	-.003	0	0
19	FACE3	PY	-.006	-.006	0	0
20	FACE2	PY	-.006	-.006	0	0
21	FACE1	PY	-.003	-.003	0	0
22	CRPLATE6	PY	-.000951	-.000951	0	0
23	CRPLATE5	PY	-.000951	-.000951	0	0
24	CRPLATE4	PY	-.000951	-.000951	0	0
25	CRPLATE3	PY	-.000951	-.000951	0	0
26	CRPLATE2	PY	-.000951	-.000951	0	0
27	CRPLATE1	PY	-.000951	-.000951	0	0
28	CORNER3	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
29	CORNER2	PY	-0.002	-0.002	0	0
30	CORNER1	PY	-0.002	-0.002	0	0
31	CONNECTION3	PY	-0.000866	-0.000866	0	0
32	CONNECTION2	PY	-0.000866	-0.000866	0	0
33	CONNECTION1	PY	-0.000866	-0.000866	0	0
34	MP ALPHA2	PY	-0.003	-0.003	0	0
35	MP BETA2	PY	-0.003	-0.003	0	0
36	MP GAMMA2	PY	-0.003	-0.003	0	0
37	MP ALPHA1	PY	-0.003	-0.003	0	0
38	MP GAMMA1	PY	-0.003	-0.003	0	0
39	MP BETA1	PY	-0.003	-0.003	0	0
40	MP ALPHA5	PY	-0.003	-0.003	0	0
41	MP BETA5	PY	-0.003	-0.003	0	0
42	MP GAMMA5	PY	-0.003	-0.003	0	0
43	MP ALPHA4	PY	-0.003	-0.003	0	0
44	MP GAMMA4	PY	-0.003	-0.003	0	0
45	MP BETA4	PY	-0.003	-0.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-0.001	-0.001	0	0
2	SO3A	PY	-0.001	-0.001	0	0
3	SO2B	PY	-0.001	-0.001	0	0
4	SO2A	PY	-0.001	-0.001	0	0
5	SO1B	PY	-0.001	-0.001	0	0
6	SO1A	PY	-0.001	-0.001	0	0
7	RAIL3	PY	-0.003	-0.003	0	0
8	RAIL2	PY	-0.003	-0.003	0	0
9	RAIL1	PY	-0.001	-0.001	0	0
10	PLATE3	PY	-0.000824	-0.000824	0	0
11	PLATE2	PY	-0.000824	-0.000824	0	0
12	PLATE1	PY	-0.000824	-0.000824	0	0
13	MP GAMMA6	PY	-0.002	-0.002	0	0
14	MP GAMMA3	PY	-0.002	-0.002	0	0
15	MP BETA6	PY	-0.002	-0.002	0	0
16	MP BETA3	PY	-0.002	-0.002	0	0
17	MP ALPHA6	PY	-0.002	-0.002	0	0
18	MP ALPHA3	PY	-0.002	-0.002	0	0
19	FACE3	PY	-0.005	-0.005	0	0
20	FACE2	PY	-0.005	-0.005	0	0
21	FACE1	PY	-0.002	-0.002	0	0
22	CRPLATE6	PY	-0.000824	-0.000824	0	0
23	CRPLATE5	PY	-0.000824	-0.000824	0	0
24	CRPLATE4	PY	-0.000824	-0.000824	0	0
25	CRPLATE3	PY	-0.000824	-0.000824	0	0
26	CRPLATE2	PY	-0.000824	-0.000824	0	0
27	CRPLATE1	PY	-0.000824	-0.000824	0	0
28	CORNER3	PY	-0.002	-0.002	0	0
29	CORNER2	PY	-0.002	-0.002	0	0
30	CORNER1	PY	-0.002	-0.002	0	0
31	CONNECTION3	PY	-0.00075	-0.00075	0	0
32	CONNECTION2	PY	-0.00075	-0.00075	0	0
33	CONNECTION1	PY	-0.00075	-0.00075	0	0
34	SO3B	PX	-0.000668	-0.000668	0	0
35	SO3A	PX	-0.000668	-0.000668	0	0
36	SO2B	PX	-0.000668	-0.000668	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
37	SO2A	PX	-.000668	-.000668	0	0
38	SO1B	PX	-.000668	-.000668	0	0
39	SO1A	PX	-.000668	-.000668	0	0
40	RAIL3	PX	-.002	-.002	0	0
41	RAIL2	PX	-.002	-.002	0	0
42	RAIL1	PX	-.000815	-.000815	0	0
43	PLATE3	PX	-.000476	-.000476	0	0
44	PLATE2	PX	-.000476	-.000476	0	0
45	PLATE1	PX	-.000476	-.000476	0	0
46	MP GAMMA6	PX	-.001	-.001	0	0
47	MP GAMMA3	PX	-.001	-.001	0	0
48	MP BETA6	PX	-.001	-.001	0	0
49	MP BETA3	PX	-.001	-.001	0	0
50	MP ALPHA6	PX	-.001	-.001	0	0
51	MP ALPHA3	PX	-.001	-.001	0	0
52	FACE3	PX	-.003	-.003	0	0
53	FACE2	PX	-.003	-.003	0	0
54	FACE1	PX	-.001	-.001	0	0
55	CRPLATE6	PX	-.000476	-.000476	0	0
56	CRPLATE5	PX	-.000476	-.000476	0	0
57	CRPLATE4	PX	-.000476	-.000476	0	0
58	CRPLATE3	PX	-.000476	-.000476	0	0
59	CRPLATE2	PX	-.000476	-.000476	0	0
60	CRPLATE1	PX	-.000476	-.000476	0	0
61	CORNER3	PX	-.001	-.001	0	0
62	CORNER2	PX	-.001	-.001	0	0
63	CORNER1	PX	-.001	-.001	0	0
64	CONNECTION3	PX	-.000433	-.000433	0	0
65	CONNECTION2	PX	-.000433	-.000433	0	0
66	CONNECTION1	PX	-.000433	-.000433	0	0
67	MP ALPHA2	PY	-.002	-.002	0	0
68	MP ALPHA2	PX	-.001	-.001	0	0
69	MP BETA2	PY	-.002	-.002	0	0
70	MP BETA2	PX	-.001	-.001	0	0
71	MP GAMMA2	PY	-.002	-.002	0	0
72	MP GAMMA2	PX	-.001	-.001	0	0
73	MP ALPHA1	PY	-.002	-.002	0	0
74	MP ALPHA1	PX	-.001	-.001	0	0
75	MP GAMMA1	PY	-.002	-.002	0	0
76	MP GAMMA1	PX	-.001	-.001	0	0
77	MP BETA1	PY	-.002	-.002	0	0
78	MP BETA1	PX	-.001	-.001	0	0
79	MP ALPHA5	PY	-.002	-.002	0	0
80	MP ALPHA5	PX	-.001	-.001	0	0
81	MP BETA5	PY	-.002	-.002	0	0
82	MP BETA5	PX	-.001	-.001	0	0
83	MP GAMMA5	PY	-.002	-.002	0	0
84	MP GAMMA5	PX	-.001	-.001	0	0
85	MP ALPHA4	PY	-.002	-.002	0	0
86	MP ALPHA4	PX	-.001	-.001	0	0
87	MP GAMMA4	PY	-.002	-.002	0	0
88	MP GAMMA4	PX	-.001	-.001	0	0
89	MP BETA4	PY	-.002	-.002	0	0
90	MP BETA4	PX	-.001	-.001	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
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Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	SO3B	PY	-.000668	-.000668	0	0
2	SO3A	PY	-.000668	-.000668	0	0
3	SO2B	PY	-.000668	-.000668	0	0
4	SO2A	PY	-.000668	-.000668	0	0
5	SO1B	PY	-.000668	-.000668	0	0
6	SO1A	PY	-.000668	-.000668	0	0
7	RAIL3	PY	-.002	-.002	0	0
8	RAIL2	PY	-.002	-.002	0	0
9	RAIL1	PY	-.000815	-.000815	0	0
10	PLATE3	PY	-.000476	-.000476	0	0
11	PLATE2	PY	-.000476	-.000476	0	0
12	PLATE1	PY	-.000476	-.000476	0	0
13	MP GAMMA6	PY	-.001	-.001	0	0
14	MP GAMMA3	PY	-.001	-.001	0	0
15	MP BETA6	PY	-.001	-.001	0	0
16	MP BETA3	PY	-.001	-.001	0	0
17	MP ALPHA6	PY	-.001	-.001	0	0
18	MP ALPHA3	PY	-.001	-.001	0	0
19	FACE3	PY	-.003	-.003	0	0
20	FACE2	PY	-.003	-.003	0	0
21	FACE1	PY	-.001	-.001	0	0
22	CRPLATE6	PY	-.000476	-.000476	0	0
23	CRPLATE5	PY	-.000476	-.000476	0	0
24	CRPLATE4	PY	-.000476	-.000476	0	0
25	CRPLATE3	PY	-.000476	-.000476	0	0
26	CRPLATE2	PY	-.000476	-.000476	0	0
27	CRPLATE1	PY	-.000476	-.000476	0	0
28	CORNER3	PY	-.001	-.001	0	0
29	CORNER2	PY	-.001	-.001	0	0
30	CORNER1	PY	-.001	-.001	0	0
31	CONNECTION3	PY	-.000433	-.000433	0	0
32	CONNECTION2	PY	-.000433	-.000433	0	0
33	CONNECTION1	PY	-.000433	-.000433	0	0
34	SO3B	PX	-.001	-.001	0	0
35	SO3A	PX	-.001	-.001	0	0
36	SO2B	PX	-.001	-.001	0	0
37	SO2A	PX	-.001	-.001	0	0
38	SO1B	PX	-.001	-.001	0	0
39	SO1A	PX	-.001	-.001	0	0
40	RAIL3	PX	-.003	-.003	0	0
41	RAIL2	PX	-.003	-.003	0	0
42	RAIL1	PX	-.001	-.001	0	0
43	PLATE3	PX	-.000824	-.000824	0	0
44	PLATE2	PX	-.000824	-.000824	0	0
45	PLATE1	PX	-.000824	-.000824	0	0
46	MP GAMMA6	PX	-.002	-.002	0	0
47	MP GAMMA3	PX	-.002	-.002	0	0
48	MP BETA6	PX	-.002	-.002	0	0
49	MP BETA3	PX	-.002	-.002	0	0
50	MP ALPHA6	PX	-.002	-.002	0	0
51	MP ALPHA3	PX	-.002	-.002	0	0
52	FACE3	PX	-.005	-.005	0	0
53	FACE2	PX	-.005	-.005	0	0
54	FACE1	PX	-.002	-.002	0	0
55	CRPLATE6	PX	-.000824	-.000824	0	0
56	CRPLATE5	PX	-.000824	-.000824	0	0
57	CRPLATE4	PX	-.000824	-.000824	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
58	CRPLATE3	PX	-0.000824	-0.000824	0	0
59	CRPLATE2	PX	-0.000824	-0.000824	0	0
60	CRPLATE1	PX	-0.000824	-0.000824	0	0
61	CORNER3	PX	-0.002	-0.002	0	0
62	CORNER2	PX	-0.002	-0.002	0	0
63	CORNER1	PX	-0.002	-0.002	0	0
64	CONNECTION3	PX	-0.00075	-0.00075	0	0
65	CONNECTION2	PX	-0.00075	-0.00075	0	0
66	CONNECTION1	PX	-0.00075	-0.00075	0	0
67	MP ALPHA2	PY	-0.001	-0.001	0	0
68	MP ALPHA2	PX	-0.002	-0.002	0	0
69	MP BETA2	PY	-0.001	-0.001	0	0
70	MP BETA2	PX	-0.002	-0.002	0	0
71	MP GAMMA2	PY	-0.001	-0.001	0	0
72	MP GAMMA2	PX	-0.002	-0.002	0	0
73	MP ALPHA1	PY	-0.001	-0.001	0	0
74	MP ALPHA1	PX	-0.002	-0.002	0	0
75	MP GAMMA1	PY	-0.001	-0.001	0	0
76	MP GAMMA1	PX	-0.002	-0.002	0	0
77	MP BETA1	PY	-0.001	-0.001	0	0
78	MP BETA1	PX	-0.002	-0.002	0	0
79	MP ALPHA5	PY	-0.001	-0.001	0	0
80	MP ALPHA5	PX	-0.002	-0.002	0	0
81	MP BETA5	PY	-0.001	-0.001	0	0
82	MP BETA5	PX	-0.002	-0.002	0	0
83	MP GAMMA5	PY	-0.001	-0.001	0	0
84	MP GAMMA5	PX	-0.002	-0.002	0	0
85	MP ALPHA4	PY	-0.001	-0.001	0	0
86	MP ALPHA4	PX	-0.002	-0.002	0	0
87	MP GAMMA4	PY	-0.001	-0.001	0	0
88	MP GAMMA4	PX	-0.002	-0.002	0	0
89	MP BETA4	PY	-0.001	-0.001	0	0
90	MP BETA4	PX	-0.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PX	-0.001	-0.001	0	0
2	SO3A	PX	-0.001	-0.001	0	0
3	SO2B	PX	-0.001	-0.001	0	0
4	SO2A	PX	-0.001	-0.001	0	0
5	SO1B	PX	-0.001	-0.001	0	0
6	SO1A	PX	-0.001	-0.001	0	0
7	RAIL3	PX	-0.003	-0.003	0	0
8	RAIL1	PX	-0.003	-0.003	0	0
9	RAIL2	PX	-0.002	-0.002	0	0
10	PLATE3	PX	-0.000951	-0.000951	0	0
11	PLATE2	PX	-0.000951	-0.000951	0	0
12	PLATE1	PX	-0.000951	-0.000951	0	0
13	MP GAMMA6	PX	-0.003	-0.003	0	0
14	MP GAMMA3	PX	-0.003	-0.003	0	0
15	MP BETA6	PX	-0.003	-0.003	0	0
16	MP BETA3	PX	-0.003	-0.003	0	0
17	MP ALPHA6	PX	-0.003	-0.003	0	0
18	MP ALPHA3	PX	-0.003	-0.003	0	0
19	FACE3	PX	-0.006	-0.006	0	0
20	FACE1	PX	-0.006	-0.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
21	FACE2	PX	-.003	-.003	0	0
22	CRPLATE6	PX	-.000951	-.000951	0	0
23	CRPLATE5	PX	-.000951	-.000951	0	0
24	CRPLATE4	PX	-.000951	-.000951	0	0
25	CRPLATE3	PX	-.000951	-.000951	0	0
26	CRPLATE2	PX	-.000951	-.000951	0	0
27	CRPLATE1	PX	-.000951	-.000951	0	0
28	CORNER3	PX	-.002	-.002	0	0
29	CORNER2	PX	-.002	-.002	0	0
30	CORNER1	PX	-.002	-.002	0	0
31	CONNECTION3	PX	-.000866	-.000866	0	0
32	CONNECTION2	PX	-.000866	-.000866	0	0
33	CONNECTION1	PX	-.000866	-.000866	0	0
34	MP ALPHA2	PX	-.003	-.003	0	0
35	MP BETA2	PX	-.003	-.003	0	0
36	MP GAMMA2	PX	-.003	-.003	0	0
37	MP ALPHA1	PX	-.003	-.003	0	0
38	MP GAMMA1	PX	-.003	-.003	0	0
39	MP BETA1	PX	-.003	-.003	0	0
40	MP ALPHA5	PX	-.003	-.003	0	0
41	MP BETA5	PX	-.003	-.003	0	0
42	MP GAMMA5	PX	-.003	-.003	0	0
43	MP ALPHA4	PX	-.003	-.003	0	0
44	MP GAMMA4	PX	-.003	-.003	0	0
45	MP BETA4	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.000668	.000668	0	0
2	SO3A	PY	.000668	.000668	0	0
3	SO2B	PY	.000668	.000668	0	0
4	SO2A	PY	.000668	.000668	0	0
5	SO1B	PY	.000668	.000668	0	0
6	SO1A	PY	.000668	.000668	0	0
7	RAIL3	PY	.002	.002	0	0
8	RAIL1	PY	.002	.002	0	0
9	RAIL2	PY	.000815	.000815	0	0
10	PLATE3	PY	.000476	.000476	0	0
11	PLATE2	PY	.000476	.000476	0	0
12	PLATE1	PY	.000476	.000476	0	0
13	MP GAMMA6	PY	.001	.001	0	0
14	MP GAMMA3	PY	.001	.001	0	0
15	MP BETA6	PY	.001	.001	0	0
16	MP BETA3	PY	.001	.001	0	0
17	MP ALPHA6	PY	.001	.001	0	0
18	MP ALPHA3	PY	.001	.001	0	0
19	FACE3	PY	.003	.003	0	0
20	FACE1	PY	.003	.003	0	0
21	FACE2	PY	.001	.001	0	0
22	CRPLATE6	PY	.000476	.000476	0	0
23	CRPLATE5	PY	.000476	.000476	0	0
24	CRPLATE4	PY	.000476	.000476	0	0
25	CRPLATE3	PY	.000476	.000476	0	0
26	CRPLATE2	PY	.000476	.000476	0	0
27	CRPLATE1	PY	.000476	.000476	0	0
28	CORNER3	PY	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
29	CORNER2	PY	.001	.001	0	0
30	CORNER1	PY	.001	.001	0	0
31	CONNECTION3	PY	.000433	.000433	0	0
32	CONNECTION2	PY	.000433	.000433	0	0
33	CONNECTION1	PY	.000433	.000433	0	0
34	SO3B	PX	-.001	-.001	0	0
35	SO3A	PX	-.001	-.001	0	0
36	SO2B	PX	-.001	-.001	0	0
37	SO2A	PX	-.001	-.001	0	0
38	SO1B	PX	-.001	-.001	0	0
39	SO1A	PX	-.001	-.001	0	0
40	RAIL3	PX	-.003	-.003	0	0
41	RAIL1	PX	-.003	-.003	0	0
42	RAIL2	PX	-.001	-.001	0	0
43	PLATE3	PX	-.000824	-.000824	0	0
44	PLATE2	PX	-.000824	-.000824	0	0
45	PLATE1	PX	-.000824	-.000824	0	0
46	MP GAMMA6	PX	-.002	-.002	0	0
47	MP GAMMA3	PX	-.002	-.002	0	0
48	MP BETA6	PX	-.002	-.002	0	0
49	MP BETA3	PX	-.002	-.002	0	0
50	MP ALPHA6	PX	-.002	-.002	0	0
51	MP ALPHA3	PX	-.002	-.002	0	0
52	FACE3	PX	-.005	-.005	0	0
53	FACE1	PX	-.005	-.005	0	0
54	FACE2	PX	-.002	-.002	0	0
55	CRPLATE6	PX	-.000824	-.000824	0	0
56	CRPLATE5	PX	-.000824	-.000824	0	0
57	CRPLATE4	PX	-.000824	-.000824	0	0
58	CRPLATE3	PX	-.000824	-.000824	0	0
59	CRPLATE2	PX	-.000824	-.000824	0	0
60	CRPLATE1	PX	-.000824	-.000824	0	0
61	CORNER3	PX	-.002	-.002	0	0
62	CORNER2	PX	-.002	-.002	0	0
63	CORNER1	PX	-.002	-.002	0	0
64	CONNECTION3	PX	-.00075	-.00075	0	0
65	CONNECTION2	PX	-.00075	-.00075	0	0
66	CONNECTION1	PX	-.00075	-.00075	0	0
67	MP ALPHA2	PY	.001	.001	0	0
68	MP ALPHA2	PX	-.002	-.002	0	0
69	MP BETA2	PY	.001	.001	0	0
70	MP BETA2	PX	-.002	-.002	0	0
71	MP GAMMA2	PY	.001	.001	0	0
72	MP GAMMA2	PX	-.002	-.002	0	0
73	MP ALPHA1	PY	.001	.001	0	0
74	MP ALPHA1	PX	-.002	-.002	0	0
75	MP GAMMA1	PY	.001	.001	0	0
76	MP GAMMA1	PX	-.002	-.002	0	0
77	MP BETA1	PY	.001	.001	0	0
78	MP BETA1	PX	-.002	-.002	0	0
79	MP ALPHA5	PY	.001	.001	0	0
80	MP ALPHA5	PX	-.002	-.002	0	0
81	MP BETA5	PY	.001	.001	0	0
82	MP BETA5	PX	-.002	-.002	0	0
83	MP GAMMA5	PY	.001	.001	0	0
84	MP GAMMA5	PX	-.002	-.002	0	0
85	MP ALPHA4	PY	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
86	MP ALPHA4	PX	-.002	-.002	0	0
87	MP GAMMA4	PY	.001	.001	0	0
88	MP GAMMA4	PX	-.002	-.002	0	0
89	MP BETA4	PY	.001	.001	0	0
90	MP BETA4	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.001	.001	0	0
2	SO3A	PY	.001	.001	0	0
3	SO2B	PY	.001	.001	0	0
4	SO2A	PY	.001	.001	0	0
5	SO1B	PY	.001	.001	0	0
6	SO1A	PY	.001	.001	0	0
7	RAIL3	PY	.003	.003	0	0
8	RAIL1	PY	.003	.003	0	0
9	RAIL2	PY	.001	.001	0	0
10	PLATE3	PY	.000824	.000824	0	0
11	PLATE2	PY	.000824	.000824	0	0
12	PLATE1	PY	.000824	.000824	0	0
13	MP GAMMA6	PY	.002	.002	0	0
14	MP GAMMA3	PY	.002	.002	0	0
15	MP BETA6	PY	.002	.002	0	0
16	MP BETA3	PY	.002	.002	0	0
17	MP ALPHA6	PY	.002	.002	0	0
18	MP ALPHA3	PY	.002	.002	0	0
19	FACE3	PY	.005	.005	0	0
20	FACE1	PY	.005	.005	0	0
21	FACE2	PY	.002	.002	0	0
22	CRPLATE6	PY	.000824	.000824	0	0
23	CRPLATE5	PY	.000824	.000824	0	0
24	CRPLATE4	PY	.000824	.000824	0	0
25	CRPLATE3	PY	.000824	.000824	0	0
26	CRPLATE2	PY	.000824	.000824	0	0
27	CRPLATE1	PY	.000824	.000824	0	0
28	CORNER3	PY	.002	.002	0	0
29	CORNER2	PY	.002	.002	0	0
30	CORNER1	PY	.002	.002	0	0
31	CONNECTION3	PY	.00075	.00075	0	0
32	CONNECTION2	PY	.00075	.00075	0	0
33	CONNECTION1	PY	.00075	.00075	0	0
34	SO3B	PX	-.000668	-.000668	0	0
35	SO3A	PX	-.000668	-.000668	0	0
36	SO2B	PX	-.000668	-.000668	0	0
37	SO2A	PX	-.000668	-.000668	0	0
38	SO1B	PX	-.000668	-.000668	0	0
39	SO1A	PX	-.000668	-.000668	0	0
40	RAIL3	PX	-.002	-.002	0	0
41	RAIL1	PX	-.002	-.002	0	0
42	RAIL2	PX	-.000815	-.000815	0	0
43	PLATE3	PX	-.000476	-.000476	0	0
44	PLATE2	PX	-.000476	-.000476	0	0
45	PLATE1	PX	-.000476	-.000476	0	0
46	MP GAMMA6	PX	-.001	-.001	0	0
47	MP GAMMA3	PX	-.001	-.001	0	0
48	MP BETA6	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
49	MP BETA3	PX	-.001	-.001	0	0
50	MP ALPHA6	PX	-.001	-.001	0	0
51	MP ALPHA3	PX	-.001	-.001	0	0
52	FACE3	PX	-.003	-.003	0	0
53	FACE1	PX	-.003	-.003	0	0
54	FACE2	PX	-.001	-.001	0	0
55	CRPLATE6	PX	-.000476	-.000476	0	0
56	CRPLATE5	PX	-.000476	-.000476	0	0
57	CRPLATE4	PX	-.000476	-.000476	0	0
58	CRPLATE3	PX	-.000476	-.000476	0	0
59	CRPLATE2	PX	-.000476	-.000476	0	0
60	CRPLATE1	PX	-.000476	-.000476	0	0
61	CORNER3	PX	-.001	-.001	0	0
62	CORNER2	PX	-.001	-.001	0	0
63	CORNER1	PX	-.001	-.001	0	0
64	CONNECTION3	PX	-.000433	-.000433	0	0
65	CONNECTION2	PX	-.000433	-.000433	0	0
66	CONNECTION1	PX	-.000433	-.000433	0	0
67	MP ALPHA2	PY	.002	.002	0	0
68	MP ALPHA2	PX	-.001	-.001	0	0
69	MP BETA2	PY	.002	.002	0	0
70	MP BETA2	PX	-.001	-.001	0	0
71	MP GAMMA2	PY	.002	.002	0	0
72	MP GAMMA2	PX	-.001	-.001	0	0
73	MP ALPHA1	PY	.002	.002	0	0
74	MP ALPHA1	PX	-.001	-.001	0	0
75	MP GAMMA1	PY	.002	.002	0	0
76	MP GAMMA1	PX	-.001	-.001	0	0
77	MP BETA1	PY	.002	.002	0	0
78	MP BETA1	PX	-.001	-.001	0	0
79	MP ALPHA5	PY	.002	.002	0	0
80	MP ALPHA5	PX	-.001	-.001	0	0
81	MP BETA5	PY	.002	.002	0	0
82	MP BETA5	PX	-.001	-.001	0	0
83	MP GAMMA5	PY	.002	.002	0	0
84	MP GAMMA5	PX	-.001	-.001	0	0
85	MP ALPHA4	PY	.002	.002	0	0
86	MP ALPHA4	PX	-.001	-.001	0	0
87	MP GAMMA4	PY	.002	.002	0	0
88	MP GAMMA4	PX	-.001	-.001	0	0
89	MP BETA4	PY	.002	.002	0	0
90	MP BETA4	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.001	.001	0	0
2	SO3A	PY	.001	.001	0	0
3	SO2B	PY	.001	.001	0	0
4	SO2A	PY	.001	.001	0	0
5	SO1B	PY	.001	.001	0	0
6	SO1A	PY	.001	.001	0	0
7	RAIL3	PY	.003	.003	0	0
8	RAIL1	PY	.003	.003	0	0
9	RAIL2	PY	.002	.002	0	0
10	PLATE3	PY	.000951	.000951	0	0
11	PLATE2	PY	.000951	.000951	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
12	PLATE1	PY	.000951	.000951	0	0
13	MP GAMMA6	PY	.003	.003	0	0
14	MP GAMMA3	PY	.003	.003	0	0
15	MP BETA6	PY	.003	.003	0	0
16	MP BETA3	PY	.003	.003	0	0
17	MP ALPHA6	PY	.003	.003	0	0
18	MP ALPHA3	PY	.003	.003	0	0
19	FACE3	PY	.006	.006	0	0
20	FACE1	PY	.006	.006	0	0
21	FACE2	PY	.003	.003	0	0
22	CRPLATE6	PY	.000951	.000951	0	0
23	CRPLATE5	PY	.000951	.000951	0	0
24	CRPLATE4	PY	.000951	.000951	0	0
25	CRPLATE3	PY	.000951	.000951	0	0
26	CRPLATE2	PY	.000951	.000951	0	0
27	CRPLATE1	PY	.000951	.000951	0	0
28	CORNER3	PY	.002	.002	0	0
29	CORNER2	PY	.002	.002	0	0
30	CORNER1	PY	.002	.002	0	0
31	CONNECTION3	PY	.000866	.000866	0	0
32	CONNECTION2	PY	.000866	.000866	0	0
33	CONNECTION1	PY	.000866	.000866	0	0
34	MP ALPHA2	PY	.003	.003	0	0
35	MP BETA2	PY	.003	.003	0	0
36	MP GAMMA2	PY	.003	.003	0	0
37	MP ALPHA1	PY	.003	.003	0	0
38	MP GAMMA1	PY	.003	.003	0	0
39	MP BETA1	PY	.003	.003	0	0
40	MP ALPHA5	PY	.003	.003	0	0
41	MP BETA5	PY	.003	.003	0	0
42	MP GAMMA5	PY	.003	.003	0	0
43	MP ALPHA4	PY	.003	.003	0	0
44	MP GAMMA4	PY	.003	.003	0	0
45	MP BETA4	PY	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.001	.001	0	0
2	SO3A	PY	.001	.001	0	0
3	SO2B	PY	.001	.001	0	0
4	SO2A	PY	.001	.001	0	0
5	SO1B	PY	.001	.001	0	0
6	SO1A	PY	.001	.001	0	0
7	RAIL1	PY	.003	.003	0	0
8	RAIL2	PY	.003	.003	0	0
9	RAIL3	PY	.001	.001	0	0
10	PLATE3	PY	.000824	.000824	0	0
11	PLATE2	PY	.000824	.000824	0	0
12	PLATE1	PY	.000824	.000824	0	0
13	MP GAMMA6	PY	.002	.002	0	0
14	MP GAMMA3	PY	.002	.002	0	0
15	MP BETA6	PY	.002	.002	0	0
16	MP BETA3	PY	.002	.002	0	0
17	MP ALPHA6	PY	.002	.002	0	0
18	MP ALPHA3	PY	.002	.002	0	0
19	FACE1	PY	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
20	FACE2	PY	.005	.005	0	0
21	FACE3	PY	.002	.002	0	0
22	CRPLATE6	PY	.000824	.000824	0	0
23	CRPLATE5	PY	.000824	.000824	0	0
24	CRPLATE4	PY	.000824	.000824	0	0
25	CRPLATE3	PY	.000824	.000824	0	0
26	CRPLATE2	PY	.000824	.000824	0	0
27	CRPLATE1	PY	.000824	.000824	0	0
28	CORNER3	PY	.002	.002	0	0
29	CORNER2	PY	.002	.002	0	0
30	CORNER1	PY	.002	.002	0	0
31	CONNECTION3	PY	.00075	.00075	0	0
32	CONNECTION2	PY	.00075	.00075	0	0
33	CONNECTION1	PY	.00075	.00075	0	0
34	SO3B	PX	.000668	.000668	0	0
35	SO3A	PX	.000668	.000668	0	0
36	SO2B	PX	.000668	.000668	0	0
37	SO2A	PX	.000668	.000668	0	0
38	SO1B	PX	.000668	.000668	0	0
39	SO1A	PX	.000668	.000668	0	0
40	RAIL1	PX	.002	.002	0	0
41	RAIL2	PX	.002	.002	0	0
42	RAIL3	PX	.000815	.000815	0	0
43	PLATE3	PX	.000476	.000476	0	0
44	PLATE2	PX	.000476	.000476	0	0
45	PLATE1	PX	.000476	.000476	0	0
46	MP GAMMA6	PX	.001	.001	0	0
47	MP GAMMA3	PX	.001	.001	0	0
48	MP BETA6	PX	.001	.001	0	0
49	MP BETA3	PX	.001	.001	0	0
50	MP ALPHA6	PX	.001	.001	0	0
51	MP ALPHA3	PX	.001	.001	0	0
52	FACE1	PX	.003	.003	0	0
53	FACE2	PX	.003	.003	0	0
54	FACE3	PX	.001	.001	0	0
55	CRPLATE6	PX	.000476	.000476	0	0
56	CRPLATE5	PX	.000476	.000476	0	0
57	CRPLATE4	PX	.000476	.000476	0	0
58	CRPLATE3	PX	.000476	.000476	0	0
59	CRPLATE2	PX	.000476	.000476	0	0
60	CRPLATE1	PX	.000476	.000476	0	0
61	CORNER3	PX	.001	.001	0	0
62	CORNER2	PX	.001	.001	0	0
63	CORNER1	PX	.001	.001	0	0
64	CONNECTION3	PX	.000433	.000433	0	0
65	CONNECTION2	PX	.000433	.000433	0	0
66	CONNECTION1	PX	.000433	.000433	0	0
67	MP ALPHA2	PY	.002	.002	0	0
68	MP ALPHA2	PX	.001	.001	0	0
69	MP BETA2	PY	.002	.002	0	0
70	MP BETA2	PX	.001	.001	0	0
71	MP GAMMA2	PY	.002	.002	0	0
72	MP GAMMA2	PX	.001	.001	0	0
73	MP ALPHA1	PY	.002	.002	0	0
74	MP ALPHA1	PX	.001	.001	0	0
75	MP GAMMA1	PY	.002	.002	0	0
76	MP GAMMA1	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
77	MP BETA1	PY	.002	.002	0	0
78	MP BETA1	PX	.001	.001	0	0
79	MP ALPHA5	PY	.002	.002	0	0
80	MP ALPHA5	PX	.001	.001	0	0
81	MP BETA5	PY	.002	.002	0	0
82	MP BETA5	PX	.001	.001	0	0
83	MP GAMAM5	PY	.002	.002	0	0
84	MP GAMAM5	PX	.001	.001	0	0
85	MP ALPHA4	PY	.002	.002	0	0
86	MP ALPHA4	PX	.001	.001	0	0
87	MP GAMMA4	PY	.002	.002	0	0
88	MP GAMMA4	PX	.001	.001	0	0
89	MP BETA4	PY	.002	.002	0	0
90	MP BETA4	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	.000668	.000668	0	0
2	SO3A	PY	.000668	.000668	0	0
3	SO2B	PY	.000668	.000668	0	0
4	SO2A	PY	.000668	.000668	0	0
5	SO1B	PY	.000668	.000668	0	0
6	SO1A	PY	.000668	.000668	0	0
7	RAIL1	PY	.002	.002	0	0
8	RAIL2	PY	.002	.002	0	0
9	RAIL3	PY	.000815	.000815	0	0
10	PLATE3	PY	.000476	.000476	0	0
11	PLATE2	PY	.000476	.000476	0	0
12	PLATE1	PY	.000476	.000476	0	0
13	MP GAMMA6	PY	.001	.001	0	0
14	MP GAMMA3	PY	.001	.001	0	0
15	MP BETA6	PY	.001	.001	0	0
16	MP BETA3	PY	.001	.001	0	0
17	MP ALPHA6	PY	.001	.001	0	0
18	MP ALPHA3	PY	.001	.001	0	0
19	FACE1	PY	.003	.003	0	0
20	FACE2	PY	.003	.003	0	0
21	FACE3	PY	.001	.001	0	0
22	CRPLATE6	PY	.000476	.000476	0	0
23	CRPLATE5	PY	.000476	.000476	0	0
24	CRPLATE4	PY	.000476	.000476	0	0
25	CRPLATE3	PY	.000476	.000476	0	0
26	CRPLATE2	PY	.000476	.000476	0	0
27	CRPLATE1	PY	.000476	.000476	0	0
28	CORNER3	PY	.001	.001	0	0
29	CORNER2	PY	.001	.001	0	0
30	CORNER1	PY	.001	.001	0	0
31	CONNECTION3	PY	.000433	.000433	0	0
32	CONNECTION2	PY	.000433	.000433	0	0
33	CONNECTION1	PY	.000433	.000433	0	0
34	SO3B	PX	.001	.001	0	0
35	SO3A	PX	.001	.001	0	0
36	SO2B	PX	.001	.001	0	0
37	SO2A	PX	.001	.001	0	0
38	SO1B	PX	.001	.001	0	0
39	SO1A	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,....	End Magnitude[k/ft,F,....	Start Location[ft, %]	End Location[ft, %]
40	RAIL1	PX	.003	.003	0	0
41	RAIL2	PX	.003	.003	0	0
42	RAIL3	PX	.001	.001	0	0
43	PLATE3	PX	.000824	.000824	0	0
44	PLATE2	PX	.000824	.000824	0	0
45	PLATE1	PX	.000824	.000824	0	0
46	MP GAMMA6	PX	.002	.002	0	0
47	MP GAMMA3	PX	.002	.002	0	0
48	MP BETA6	PX	.002	.002	0	0
49	MP BETA3	PX	.002	.002	0	0
50	MP ALPHA6	PX	.002	.002	0	0
51	MP ALPHA3	PX	.002	.002	0	0
52	FACE1	PX	.005	.005	0	0
53	FACE2	PX	.005	.005	0	0
54	FACE3	PX	.002	.002	0	0
55	CRPLATE6	PX	.000824	.000824	0	0
56	CRPLATE5	PX	.000824	.000824	0	0
57	CRPLATE4	PX	.000824	.000824	0	0
58	CRPLATE3	PX	.000824	.000824	0	0
59	CRPLATE2	PX	.000824	.000824	0	0
60	CRPLATE1	PX	.000824	.000824	0	0
61	CORNER3	PX	.002	.002	0	0
62	CORNER2	PX	.002	.002	0	0
63	CORNER1	PX	.002	.002	0	0
64	CONNECTION3	PX	.00075	.00075	0	0
65	CONNECTION2	PX	.00075	.00075	0	0
66	CONNECTION1	PX	.00075	.00075	0	0
67	MP ALPHA2	PY	.001	.001	0	0
68	MP ALPHA2	PX	.002	.002	0	0
69	MP BETA2	PY	.001	.001	0	0
70	MP BETA2	PX	.002	.002	0	0
71	MP GAMMA2	PY	.001	.001	0	0
72	MP GAMMA2	PX	.002	.002	0	0
73	MP ALPHA1	PY	.001	.001	0	0
74	MP ALPHA1	PX	.002	.002	0	0
75	MP GAMMA1	PY	.001	.001	0	0
76	MP GAMMA1	PX	.002	.002	0	0
77	MP BETA1	PY	.001	.001	0	0
78	MP BETA1	PX	.002	.002	0	0
79	MP ALPHA5	PY	.001	.001	0	0
80	MP ALPHA5	PX	.002	.002	0	0
81	MP BETA5	PY	.001	.001	0	0
82	MP BETA5	PX	.002	.002	0	0
83	MP GAMMA5	PY	.001	.001	0	0
84	MP GAMMA5	PX	.002	.002	0	0
85	MP ALPHA4	PY	.001	.001	0	0
86	MP ALPHA4	PX	.002	.002	0	0
87	MP GAMMA4	PY	.001	.001	0	0
88	MP GAMMA4	PX	.002	.002	0	0
89	MP BETA4	PY	.001	.001	0	0
90	MP BETA4	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,....	End Magnitude[k/ft,F,....	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PX	.001	.001	0	0
2	SO3A	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
3	SO2B	PX	.001	.001	0	0
4	SO2A	PX	.001	.001	0	0
5	SO1B	PX	.001	.001	0	0
6	SO1A	PX	.001	.001	0	0
7	RAIL1	PX	.003	.003	0	0
8	RAIL2	PX	.003	.003	0	0
9	RAIL3	PX	.002	.002	0	0
10	PLATE3	PX	.000951	.000951	0	0
11	PLATE2	PX	.000951	.000951	0	0
12	PLATE1	PX	.000951	.000951	0	0
13	MP GAMMA6	PX	.003	.003	0	0
14	MP GAMMA3	PX	.003	.003	0	0
15	MP BETA6	PX	.003	.003	0	0
16	MP BETA3	PX	.003	.003	0	0
17	MP ALPHA6	PX	.003	.003	0	0
18	MP ALPHA3	PX	.003	.003	0	0
19	FACE1	PX	.006	.006	0	0
20	FACE2	PX	.006	.006	0	0
21	FACE3	PX	.003	.003	0	0
22	CRPLATE6	PX	.000951	.000951	0	0
23	CRPLATE5	PX	.000951	.000951	0	0
24	CRPLATE4	PX	.000951	.000951	0	0
25	CRPLATE3	PX	.000951	.000951	0	0
26	CRPLATE2	PX	.000951	.000951	0	0
27	CRPLATE1	PX	.000951	.000951	0	0
28	CORNER3	PX	.002	.002	0	0
29	CORNER2	PX	.002	.002	0	0
30	CORNER1	PX	.002	.002	0	0
31	CONNECTION3	PX	.000866	.000866	0	0
32	CONNECTION2	PX	.000866	.000866	0	0
33	CONNECTION1	PX	.000866	.000866	0	0
34	MP ALPHA2	PX	.003	.003	0	0
35	MP BETA2	PX	.003	.003	0	0
36	MP GAMMA2	PX	.003	.003	0	0
37	MP ALPHA1	PX	.003	.003	0	0
38	MP GAMMA1	PX	.003	.003	0	0
39	MP BETA1	PX	.003	.003	0	0
40	MP ALPHA5	PX	.003	.003	0	0
41	MP BETA5	PX	.003	.003	0	0
42	MP GAMMA5	PX	.003	.003	0	0
43	MP ALPHA4	PX	.003	.003	0	0
44	MP GAMMA4	PX	.003	.003	0	0
45	MP BETA4	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-.000668	-.000668	0	0
2	SO3A	PY	-.000668	-.000668	0	0
3	SO2B	PY	-.000668	-.000668	0	0
4	SO2A	PY	-.000668	-.000668	0	0
5	SO1B	PY	-.000668	-.000668	0	0
6	SO1A	PY	-.000668	-.000668	0	0
7	RAIL1	PY	-.002	-.002	0	0
8	RAIL2	PY	-.002	-.002	0	0
9	RAIL3	PY	-.000815	-.000815	0	0
10	PLATE3	PY	-.000476	-.000476	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
11	PLATE2	PY	-.000476	-.000476	0	0
12	PLATE1	PY	-.000476	-.000476	0	0
13	MP GAMMA6	PY	-.001	-.001	0	0
14	MP GAMMA3	PY	-.001	-.001	0	0
15	MP BETA6	PY	-.001	-.001	0	0
16	MP BETA3	PY	-.001	-.001	0	0
17	MP ALPHA6	PY	-.001	-.001	0	0
18	MP ALPHA3	PY	-.001	-.001	0	0
19	FACE1	PY	-.003	-.003	0	0
20	FACE2	PY	-.003	-.003	0	0
21	FACE3	PY	-.001	-.001	0	0
22	CRPLATE6	PY	-.000476	-.000476	0	0
23	CRPLATE5	PY	-.000476	-.000476	0	0
24	CRPLATE4	PY	-.000476	-.000476	0	0
25	CRPLATE3	PY	-.000476	-.000476	0	0
26	CRPLATE2	PY	-.000476	-.000476	0	0
27	CRPLATE1	PY	-.000476	-.000476	0	0
28	CORNER3	PY	-.001	-.001	0	0
29	CORNER2	PY	-.001	-.001	0	0
30	CORNER1	PY	-.001	-.001	0	0
31	CONNECTION3	PY	-.000433	-.000433	0	0
32	CONNECTION2	PY	-.000433	-.000433	0	0
33	CONNECTION1	PY	-.000433	-.000433	0	0
34	SO3B	PX	.001	.001	0	0
35	SO3A	PX	.001	.001	0	0
36	SO2B	PX	.001	.001	0	0
37	SO2A	PX	.001	.001	0	0
38	SO1B	PX	.001	.001	0	0
39	SO1A	PX	.001	.001	0	0
40	RAIL1	PX	.003	.003	0	0
41	RAIL2	PX	.003	.003	0	0
42	RAIL3	PX	.001	.001	0	0
43	PLATE3	PX	.000824	.000824	0	0
44	PLATE2	PX	.000824	.000824	0	0
45	PLATE1	PX	.000824	.000824	0	0
46	MP GAMMA6	PX	.002	.002	0	0
47	MP GAMMA3	PX	.002	.002	0	0
48	MP BETA6	PX	.002	.002	0	0
49	MP BETA3	PX	.002	.002	0	0
50	MP ALPHA6	PX	.002	.002	0	0
51	MP ALPHA3	PX	.002	.002	0	0
52	FACE1	PX	.005	.005	0	0
53	FACE2	PX	.005	.005	0	0
54	FACE3	PX	.002	.002	0	0
55	CRPLATE6	PX	.000824	.000824	0	0
56	CRPLATE5	PX	.000824	.000824	0	0
57	CRPLATE4	PX	.000824	.000824	0	0
58	CRPLATE3	PX	.000824	.000824	0	0
59	CRPLATE2	PX	.000824	.000824	0	0
60	CRPLATE1	PX	.000824	.000824	0	0
61	CORNER3	PX	.002	.002	0	0
62	CORNER2	PX	.002	.002	0	0
63	CORNER1	PX	.002	.002	0	0
64	CONNECTION3	PX	.00075	.00075	0	0
65	CONNECTION2	PX	.00075	.00075	0	0
66	CONNECTION1	PX	.00075	.00075	0	0
67	MP ALPHA2	PY	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
68	MP ALPHA2	PX	.002	.002	0	0
69	MP BETA2	PY	-.001	-.001	0	0
70	MP BETA2	PX	.002	.002	0	0
71	MP GAMMA2	PY	-.001	-.001	0	0
72	MP GAMMA2	PX	.002	.002	0	0
73	MP ALPHA1	PY	-.001	-.001	0	0
74	MP ALPHA1	PX	.002	.002	0	0
75	MP GAMMA1	PY	-.001	-.001	0	0
76	MP GAMMA1	PX	.002	.002	0	0
77	MP BETA1	PY	-.001	-.001	0	0
78	MP BETA1	PX	.002	.002	0	0
79	MP ALPHA5	PY	-.001	-.001	0	0
80	MP ALPHA5	PX	.002	.002	0	0
81	MP BETA5	PY	-.001	-.001	0	0
82	MP BETA5	PX	.002	.002	0	0
83	MP GAMMA5	PY	-.001	-.001	0	0
84	MP GAMMA5	PX	.002	.002	0	0
85	MP ALPHA4	PY	-.001	-.001	0	0
86	MP ALPHA4	PX	.002	.002	0	0
87	MP GAMMA4	PY	-.001	-.001	0	0
88	MP GAMMA4	PX	.002	.002	0	0
89	MP BETA4	PY	-.001	-.001	0	0
90	MP BETA4	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3B	PY	-.001	-.001	0	0
2	SO3A	PY	-.001	-.001	0	0
3	SO2B	PY	-.001	-.001	0	0
4	SO2A	PY	-.001	-.001	0	0
5	SO1B	PY	-.001	-.001	0	0
6	SO1A	PY	-.001	-.001	0	0
7	RAIL3	PY	-.003	-.003	0	0
8	RAIL2	PY	-.003	-.003	0	0
9	RAIL1	PY	-.001	-.001	0	0
10	PLATE3	PY	-.000824	-.000824	0	0
11	PLATE2	PY	-.000824	-.000824	0	0
12	PLATE1	PY	-.000824	-.000824	0	0
13	MP GAMMA6	PY	-.002	-.002	0	0
14	MP GAMMA3	PY	-.002	-.002	0	0
15	MP BETA6	PY	-.002	-.002	0	0
16	MP BETA3	PY	-.002	-.002	0	0
17	MP ALPHA6	PY	-.002	-.002	0	0
18	MP ALPHA3	PY	-.002	-.002	0	0
19	FACE3	PY	-.005	-.005	0	0
20	FACE2	PY	-.005	-.005	0	0
21	FACE1	PY	-.002	-.002	0	0
22	CRPLATE6	PY	-.000824	-.000824	0	0
23	CRPLATE5	PY	-.000824	-.000824	0	0
24	CRPLATE4	PY	-.000824	-.000824	0	0
25	CRPLATE3	PY	-.000824	-.000824	0	0
26	CRPLATE2	PY	-.000824	-.000824	0	0
27	CRPLATE1	PY	-.000824	-.000824	0	0
28	CORNER3	PY	-.002	-.002	0	0
29	CORNER2	PY	-.002	-.002	0	0
30	CORNER1	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft. %]	End Location[ft. %]
31	CONNECTION3	PY	-.00075	-.00075	0	0
32	CONNECTION2	PY	-.00075	-.00075	0	0
33	CONNECTION1	PY	-.00075	-.00075	0	0
34	SO3B	PX	.000668	.000668	0	0
35	SO3A	PX	.000668	.000668	0	0
36	SO2B	PX	.000668	.000668	0	0
37	SO2A	PX	.000668	.000668	0	0
38	SO1B	PX	.000668	.000668	0	0
39	SO1A	PX	.000668	.000668	0	0
40	RAIL3	PX	.002	.002	0	0
41	RAIL2	PX	.002	.002	0	0
42	RAIL1	PX	.000815	.000815	0	0
43	PLATE3	PX	.000476	.000476	0	0
44	PLATE2	PX	.000476	.000476	0	0
45	PLATE1	PX	.000476	.000476	0	0
46	MP GAMMA6	PX	.001	.001	0	0
47	MP GAMMA3	PX	.001	.001	0	0
48	MP BETA6	PX	.001	.001	0	0
49	MP BETA3	PX	.001	.001	0	0
50	MP ALPHA6	PX	.001	.001	0	0
51	MP ALPHA3	PX	.001	.001	0	0
52	FACE3	PX	.003	.003	0	0
53	FACE2	PX	.003	.003	0	0
54	FACE1	PX	.001	.001	0	0
55	CRPLATE6	PX	.000476	.000476	0	0
56	CRPLATE5	PX	.000476	.000476	0	0
57	CRPLATE4	PX	.000476	.000476	0	0
58	CRPLATE3	PX	.000476	.000476	0	0
59	CRPLATE2	PX	.000476	.000476	0	0
60	CRPLATE1	PX	.000476	.000476	0	0
61	CORNER3	PX	.001	.001	0	0
62	CORNER2	PX	.001	.001	0	0
63	CORNER1	PX	.001	.001	0	0
64	CONNECTION3	PX	.000433	.000433	0	0
65	CONNECTION2	PX	.000433	.000433	0	0
66	CONNECTION1	PX	.000433	.000433	0	0
67	MP ALPHA2	PY	-.002	-.002	0	0
68	MP ALPHA2	PX	.001	.001	0	0
69	MP BETA2	PY	-.002	-.002	0	0
70	MP BETA2	PX	.001	.001	0	0
71	MP GAMMA2	PY	-.002	-.002	0	0
72	MP GAMMA2	PX	.001	.001	0	0
73	MP ALPHA1	PY	-.002	-.002	0	0
74	MP ALPHA1	PX	.001	.001	0	0
75	MP GAMMA1	PY	-.002	-.002	0	0
76	MP GAMMA1	PX	.001	.001	0	0
77	MP BETA1	PY	-.002	-.002	0	0
78	MP BETA1	PX	.001	.001	0	0
79	MP ALPHA5	PY	-.002	-.002	0	0
80	MP ALPHA5	PX	.001	.001	0	0
81	MP BETA5	PY	-.002	-.002	0	0
82	MP BETA5	PX	.001	.001	0	0
83	MP GAMMA5	PY	-.002	-.002	0	0
84	MP GAMMA5	PX	.001	.001	0	0
85	MP ALPHA4	PY	-.002	-.002	0	0
86	MP ALPHA4	PX	.001	.001	0	0
87	MP GAMMA4	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
88	MP GAMMA4	PX	.001	.001	0	0
89	MP BETA4	PY	-.002	-.002	0	0
90	MP BETA4	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	PLATE3	Z	-.002	-.002	0	.75
2	FACE3	Z	-.0005137	-.005	6.25	7.5
3	FACE3	Z	-.005	-.013	7.5	8.75
4	FACE3	Z	-.013	-.016	8.75	10
5	FACE3	Z	-.016	-.01	10	11.25
6	FACE3	Z	-.01	-.0005137	11.25	12.5
7	FACE2	Z	-.0003768	-.008	0	1.25
8	FACE2	Z	-.008	-.015	1.25	2.5
9	FACE2	Z	-.015	-.012	2.5	3.75
10	FACE2	Z	-.012	-.004	3.75	5
11	FACE2	Z	-.004	-.0003768	5	6.25
12	CRPLATE6	Z	-.0009663	-.0009663	.032	.241
13	CRPLATE5	Z	-.0009165	-.0009165	.032	.243
14	CORNER3	Z	-.003	-.008	0	1.108
15	CORNER3	Z	-.008	-.012	1.108	2.216
16	CORNER3	Z	-.012	-.013	2.216	3.324
17	CORNER3	Z	-.013	-.01	3.324	4.432
18	CORNER3	Z	-.01	-.002	4.432	5.54
19	PLATE1	Z	-.002	-.002	0	.75
20	FACE2	Z	-.0003768	-.004	6.25	7.5
21	FACE2	Z	-.004	-.012	7.5	8.75
22	FACE2	Z	-.012	-.015	8.75	10
23	FACE2	Z	-.015	-.008	10	11.25
24	FACE2	Z	-.008	-.0003768	11.25	12.5
25	FACE1	Z	-.0005137	-.01	0	1.25
26	FACE1	Z	-.01	-.015	1.25	2.5
27	FACE1	Z	-.015	-.012	2.5	3.75
28	FACE1	Z	-.012	-.005	3.75	5
29	FACE1	Z	-.005	-.0005137	5	6.25
30	CRPLATE2	Z	-.0009165	-.0009165	.032	.243
31	CRPLATE1	Z	-.0009663	-.0009663	.032	.241
32	CORNER1	Z	-.002	-.01	0	1.108
33	CORNER1	Z	-.01	-.013	1.108	2.216
34	CORNER1	Z	-.013	-.012	2.216	3.324
35	CORNER1	Z	-.012	-.008	3.324	4.432
36	CORNER1	Z	-.008	-.003	4.432	5.54
37	31	Z	-.009	-.009	0	.25
38	PLATE2	Z	-.002	-.002	0	.75
39	FACE3	Z	-.000377	-.008	0	1.25
40	FACE3	Z	-.008	-.015	1.25	2.5
41	FACE3	Z	-.015	-.012	2.5	3.75
42	FACE3	Z	-.012	-.004	3.75	5
43	FACE3	Z	-.004	-.000377	5	6.25
44	FACE1	Z	-.0005129	-.005	6.25	7.5
45	FACE1	Z	-.005	-.013	7.5	8.75
46	FACE1	Z	-.013	-.016	8.75	10
47	FACE1	Z	-.016	-.01	10	11.25
48	FACE1	Z	-.01	-.0005129	11.25	12.5
49	CRPLATE4	Z	-.0009663	-.0009663	.032	.241
50	CRPLATE3	Z	-.0009165	-.0009165	.032	.243

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
51	CORNER2	Z	-.003	-.008	0	1.108
52	CORNER2	Z	-.008	-.012	1.108	2.216
53	CORNER2	Z	-.012	-.013	2.216	3.324
54	CORNER2	Z	-.013	-.01	3.324	4.432
55	CORNER2	Z	-.01	-.002	4.432	5.54

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	PLATE3	Z	-.003	-.003	0	.75
2	FACE3	Z	-.0007192	-.007	6.25	7.5
3	FACE3	Z	-.007	-.018	7.5	8.75
4	FACE3	Z	-.018	-.023	8.75	10
5	FACE3	Z	-.023	-.014	10	11.25
6	FACE3	Z	-.014	-.0007192	11.25	12.5
7	FACE2	Z	-.0005275	-.012	0	1.25
8	FACE2	Z	-.012	-.021	1.25	2.5
9	FACE2	Z	-.021	-.017	2.5	3.75
10	FACE2	Z	-.017	-.006	3.75	5
11	FACE2	Z	-.006	-.0005275	5	6.25
12	CRPLATE6	Z	-.001	-.001	.032	.241
13	CRPLATE5	Z	-.001	-.001	.032	.243
14	CORNER3	Z	-.004	-.011	0	1.108
15	CORNER3	Z	-.011	-.016	1.108	2.216
16	CORNER3	Z	-.016	-.018	2.216	3.324
17	CORNER3	Z	-.018	-.013	3.324	4.432
18	CORNER3	Z	-.013	-.003	4.432	5.54
19	PLATE1	Z	-.003	-.003	0	.75
20	FACE2	Z	-.0005275	-.006	6.25	7.5
21	FACE2	Z	-.006	-.017	7.5	8.75
22	FACE2	Z	-.017	-.021	8.75	10
23	FACE2	Z	-.021	-.012	10	11.25
24	FACE2	Z	-.012	-.0005275	11.25	12.5
25	FACE1	Z	-.0007192	-.014	0	1.25
26	FACE1	Z	-.014	-.021	1.25	2.5
27	FACE1	Z	-.021	-.017	2.5	3.75
28	FACE1	Z	-.017	-.007	3.75	5
29	FACE1	Z	-.007	-.0007192	5	6.25
30	CRPLATE2	Z	-.001	-.001	.032	.243
31	CRPLATE1	Z	-.001	-.001	.032	.241
32	CORNER1	Z	-.003	-.013	0	1.108
33	CORNER1	Z	-.013	-.018	1.108	2.216
34	CORNER1	Z	-.018	-.016	2.216	3.324
35	CORNER1	Z	-.016	-.011	3.324	4.432
36	CORNER1	Z	-.011	-.004	4.432	5.54
37	31	Z	-.013	-.013	0	.25
38	PLATE2	Z	-.003	-.003	0	.75
39	FACE3	Z	-.0005279	-.012	0	1.25
40	FACE3	Z	-.012	-.021	1.25	2.5
41	FACE3	Z	-.021	-.017	2.5	3.75
42	FACE3	Z	-.017	-.006	3.75	5
43	FACE3	Z	-.006	-.0005279	5	6.25
44	FACE1	Z	-.0007181	-.007	6.25	7.5
45	FACE1	Z	-.007	-.018	7.5	8.75
46	FACE1	Z	-.018	-.023	8.75	10
47	FACE1	Z	-.023	-.014	10	11.25
48	FACE1	Z	-.014	-.0007181	11.25	12.5

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
49	CRPLATE4	Z	-0.001	-0.001	.032	.241
50	CRPLATE3	Z	-0.001	-0.001	.032	.243
51	CORNER2	Z	-0.004	-0.011	0	1.108
52	CORNER2	Z	-0.011	-0.016	1.108	2.216
53	CORNER2	Z	-0.016	-0.018	2.216	3.324
54	CORNER2	Z	-0.018	-0.013	3.324	4.432
55	CORNER2	Z	-0.013	-0.003	4.432	5.54

Member Area Loads (BLC 3 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N13A	N12	N11	N15	Z	Two Way	-.01
2	N27	N15A	N16	N26	Z	Two Way	-.01
3	N41	N40	N30	N29	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	N13A	N12	N11	N15	Z	Two Way	-.014
2	N27	N15A	N16	N26	Z	Two Way	-.014
3	N41	N40	N30	N29	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					24	45	
3	Dead Load	DL			-1.1		24		3
4	Wind Load (30)	DL					48	90	
5	Wind Load (60)	DL					48	90	
6	Wind Load (90)	DL					24	45	
7	Wind Load (120)	DL					48	90	
8	Wind Load (150)	DL					48	90	
9	Wind Load (180)	DL					24	45	
10	Wind Load (210)	DL					48	90	
11	Wind Load (240)	DL					48	90	
12	Wind Load (270)	DL					24	45	
13	Wind Load (300)	DL					48	90	
14	Wind Load (330)	DL					48	90	
15	Maintenance (0)	DL					24	45	
16	Maintenance (30)	DL					48	90	
17	Maintenance (60)	DL					48	90	
18	Maintenance (90)	DL					24	45	
19	Maintenance (120)	DL					48	90	
20	Maintenance (150)	DL					48	90	
21	Maintenance (180)	DL					24	45	
22	Maintenance (210)	DL					48	90	
23	Maintenance (240)	DL					48	90	
24	Maintenance (270)	DL					24	45	
25	Maintenance (300)	DL					48	90	
26	Maintenance (330)	DL					48	90	
27	Ice Dead Load	DL					24	45	3
28	Ice Wind Load (0)	DL					24	45	
29	Ice Wind Load (30)	DL					48	90	
30	Ice Wind Load (60)	DL					48	90	
31	Ice Wind Load (90)	DL					24	45	

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
32	Ice Wind Load (120)	DL					48	90	
33	Ice Wind Load (150)	DL					48	90	
34	Ice Wind Load (180)	DL					24	45	
35	Ice Wind Load (210)	DL					48	90	
36	Ice Wind Load (240)	DL					48	90	
37	Ice Wind Load (270)	DL					24	45	
38	Ice Wind Load (300)	DL					48	90	
39	Ice Wind Load (330)	DL					48	90	
40	Earthquake (x-directio...	DL	-.113				24		
41	Earthquake (y-directio...	DL		-.113			24		
42	Earthquake (z-directio...	DL			-.045		24		
43	BLC 3 Transient Area...	None						55	
44	BLC 27 Transient Are...	None						55	

Load Combinations

	Description	So...	P...	S...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...
1	1.4D	Yes	Y		3	1.4													
2	1.2D + 1.0W(0)	Yes	Y		3	1.2	2	1											
3	1.2D + 1.0Di + 1.0Wi(0)	Yes	Y		3	1.2	27	1	28	1									
4	1.2D + 1.5L + 1.0Wi(0)	Yes	Y		3	1.2	1	1.5	15	1									
5	1.2D + 1.0W(30)	Yes	Y		3	1.2	4	1											
6	1.2D + 1.0Di + 1.0Wi(30)	Yes	Y		3	1.2	27	1	29	1									
7	1.2D + 1.5L + 1.0Wi(30)	Yes	Y		3	1.2	1	1.5	16	1									
8	1.2D + 1.0W(60)	Yes	Y		3	1.2	5	1											
9	1.2D + 1.0Di + 1.0Wi(60)	Yes	Y		3	1.2	27	1	30	1									
10	1.2D + 1.5L + 1.0Wi(60)	Yes	Y		3	1.2	1	1.5	17	1									
11	1.2D + 1.0W(90)	Yes	Y		3	1.2	6	1											
12	1.2D + 1.0Di + 1.0Wi(90)	Yes	Y		3	1.2	27	1	31	1									
13	1.2D + 1.5L + 1.0Wi(90)	Yes	Y		3	1.2	1	1.5	18	1									
14	1.2D + 1.0W(120)	Yes	Y		3	1.2	7	1											
15	1.2D + 1.0Di + 1.0Wi(1...	Yes	Y		3	1.2	27	1	32	1									
16	1.2D + 1.5L + 1.0Wi(12...	Yes	Y		3	1.2	1	1.5	19	1									
17	1.2D + 1.0W(150)	Yes	Y		3	1.2	8	1											
18	1.2D + 1.0Di + 1.0Wi(1...	Yes	Y		3	1.2	27	1	33	1									
19	1.2D + 1.5L + 1.0Wi(15...	Yes	Y		3	1.2	1	1.5	20	1									
20	1.2D + 1.0W(180)	Yes	Y		3	1.2	9	1											
21	1.2D + 1.0Di + 1.0Wi(1...	Yes	Y		3	1.2	27	1	34	1									
22	1.2D + 1.5L + 1.0Wi(18...	Yes	Y		3	1.2	1	1.5	21	1									
23	1.2D + 1.0W(210)	Yes	Y		3	1.2	10	1											
24	1.2D + 1.0Di + 1.0Wi(2...	Yes	Y		3	1.2	27	1	35	1									
25	1.2D + 1.5L + 1.0Wi(21...	Yes	Y		3	1.2	1	1.5	22	1									
26	1.2D + 1.0W(240)	Yes	Y		3	1.2	11	1											
27	1.2D + 1.0Di + 1.0Wi(2...	Yes	Y		3	1.2	27	1	36	1									
28	1.2D + 1.5L + 1.0Wi(24...	Yes	Y		3	1.2	1	1.5	23	1									
29	1.2D + 1.0W(270)	Yes	Y		3	1.2	12	1											
30	1.2D + 1.0Di + 1.0Wi(2...	Yes	Y		3	1.2	27	1	37	1									
31	1.2D + 1.5L + 1.0Wi(27...	Yes	Y		3	1.2	1	1.5	24	1									
32	1.2D + 1.0W(300)	Yes	Y		3	1.2	13	1											
33	1.2D + 1.0Di + 1.0Wi(3...	Yes	Y		3	1.2	27	1	38	1									
34	1.2D + 1.5L + 1.0Wi(30...	Yes	Y		3	1.2	1	1.5	25	1									
35	1.2D + 1.0W(330)	Yes	Y		3	1.2	14	1											
36	1.2D + 1.0Di + 1.0Wi(3...	Yes	Y		3	1.2	27	1	39	1									
37	1.2D + 1.5L + 1.0Wi(33...	Yes	Y		3	1.2	1	1.5	26	1									
38	1.2D + 1.0E(x) + 1.0E(z...	Yes	Y		3	1.2	40	1	42	1	1	1							
39	1.2D + 1.0E(y) + 1.0E(z...	Yes	Y		3	1.2	41	1	42	1	1	1	1						

Load Combinations (Continued)

	Description	So...P...	S...	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..
40	1.2D - 1.0E(x) + 1.0E(z...	Yes	Y	3	1.2	40	-1	42	1	1	1							
41	1.2D - 1.0E(y) + 1.0E(z...	Yes	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	N125A	max	2.093	11	4.153	3	2.818	21	6.928	20	2.082	11	2.759	29
2		min	-2.101	29	.309	20	.072	2	-2.368	2	-2.14	29	-2.753	11
3	N128	max	-.261	14	.546	35	2.82	9	1.772	23	5.957	8	2.268	17
4		min	-3.606	33	-2.424	17	.08	26	-3.926	5	-1.951	26	-2.271	35
5	N131	max	3.57	12	.848	2	2.817	33	1.739	17	2.002	14	2.276	5
6		min	.452	32	-2.858	20	.081	14	-3.979	35	-5.859	32	-2.263	23
7	Totals:	max	4.482	11	4.616	2	7.719	21						
8		min	-4.482	29	-4.776	20	3.816	35						

Envelope AISC 14th(360-10): LRFD Steel Code Checks

Member	Shape	Code Check	Loc...LC	Shear Check	Loc.....	L...phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn
1	SO3B	HSS4X4X3	.565	.5 23	.273	.5 y 29	106.705	106.812	12.662	12.662 1...H1-1b
2	SO3A	HSS4X4X3	.463	6 20	.273	6 y 29	92.406	106.812	12.662	3...H1-1b
3	SO2B	HSS4X4X3	.559	.5 35	.260	.5 y 5	106.705	106.812	12.662	1...H1-1b
4	SO2A	HSS4X4X3	.448	6 32	.259	6 y 5	92.406	106.812	12.662	2...H1-1b
5	SO1B	HSS4X4X3	.580	.5 8	.260	.5 y 17	106.705	106.812	12.662	1...H1-1b
6	SO1A	HSS4X4X3	.473	6 8	.260	6 y 17	92.406	106.812	12.662	3...H1-1b
7	RAIL3	L2.5x2.5x3	.735	12.... 23	.541	.26 y 5	2.102	29.192	.873	1.428 1...H2-1
8	RAIL2	L2.5x2.5x3	.756	12.... 11	.548	.26 y 29	2.102	29.192	.873	1.421 1...H2-1
9	RAIL1	L2.5x2.5x3	.759	12.... 35	.545	.26 y 17	2.102	29.192	.873	1.425 1...H2-1
10	PLATE3	5x0.5	.536	.375 5	.361	.375 y 23	66.007	81	.844	8.438 1...H1-1b
11	PLATE2	5x0.5	.532	.375 17	.356	.375 y 35	66.007	81	.844	8.438 1...H1-1b
12	PLATE1	5x0.5	.532	.375 29	.343	.375 y 14	66.007	81	.844	8.438 1...H1-1b
13	MP GAMMA6	PIPE 2.0	.553	.516 20	.244	.516 20	25.204	32.13	1.872	1.872 1...H3-6
14	MP GAMMA4	PIPE 2.0	.511	.516 17	.134	.516 11	25.204	32.13	1.872	1.872 1...H1-1b
15	MP GAMMA3	PIPE 2.0	.556	.516 35	.143	.516 5	25.204	32.13	1.872	1.872 1...H1-1b
16	MP GAMMA2	PIPE 2.0	.446	1.917 35	.223	5.75 26	14.916	32.13	1.872	1.872 1...H1-1b
17	MP GAMMA1	PIPE 2.0	.465	.516 35	.198	.516 29	25.204	32.13	1.872	1.872 1...H1-1b
18	MP GAMMA5	PIPE 2.0	.519	1.917 20	.194	5.75 26	14.916	32.13	1.872	1.872 1...H1-1b
19	MP BETA6	PIPE 2.0	.557	.516 8	.243	.516 8	25.204	32.13	1.872	1.872 1...H3-6
20	MP BETA5	PIPE 2.0	.522	1.917 8	.191	5.75 14	14.916	32.13	1.872	1.872 1...H1-1b
21	MP BETA4	PIPE 2.0	.512	.516 8	.127	.516 32	25.204	32.13	1.872	1.872 1...H1-1b
22	MP BETA3	PIPE 2.0	.562	.516 23	.153	.516 29	25.204	32.13	1.872	1.872 1...H1-1b
23	MP BETA2	PIPE 2.0	.452	1.917 23	.225	5.75 14	14.916	32.13	1.872	1.872 1...H1-1b
24	MP BETA1	PIPE 2.0	.470	.516 23	.202	.516 17	25.204	32.13	1.872	1.872 1...H1-1b
25	MP ALPHA6	PIPE 2.0	.528	.516 32	.242	.516 32	25.204	32.13	1.872	1.872 1...H3-6
26	MP ALPHA5	PIPE 2.0	.494	1.917 32	.194	5.75 2	14.916	32.13	1.872	1.872 2...H1-1b
27	MP ALPHA4	PIPE 2.0	.482	.516 32	.136	.516 20	25.204	32.13	1.872	1.872 2...H1-1b
28	MP ALPHA3	PIPE 2.0	.529	.516 11	.150	.516 17	25.204	32.13	1.872	1.872 1...H1-1b
29	MP ALPHA2	PIPE 2.0	.422	1.917 11	.224	5.75 2	14.916	32.13	1.872	1.872 2...H1-1b
30	MP ALPHA1	PIPE 2.0	.453	.516 8	.197	.516 5	25.204	32.13	1.872	1.872 1...H1-1b
31	FACE3	C6X8.2	.858	.26 23	.412	6.901 z 8	6.898	77.436	2.108	10.254 1...H1-1b
32	FACE2	C6X8.2	.864	.26 11	.405	5.599 z 29	6.898	77.436	2.108	10.296 1...H1-1b
33	FACE1	C6X8.2	.852	.26 35	.414	6.901 z 20	6.898	77.436	2.108	10.269 1...H1-1b
34	CRPLATE6	4.5x0.5	.231	0 17	.035	0 y 21	70.967	72.9	.759	6.834 1...H1-1b
35	CRPLATE5	4.5x0.5	.268	.272 5	.036	0 y 21	70.967	72.9	.759	6.834 1...H1-1b
36	CRPLATE4	4.5x0.5	.256	0 29	.035	0 y 33	70.967	72.9	.759	6.834 1...H1-1b
37	CRPLATE3	4.5x0.5	.268	.272 17	.036	0 y 33	70.967	72.9	.759	6.834 1...H1-1b
38	CRPLATE2	4.5x0.5	.231	0 5	.036	0 y 9	70.967	72.9	.759	6.834 1...H1-1b

Envelope AISC 14th(360-10): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc...LC	Shear Check	Loc.....	L...phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn			
39	CRPLATE1	4.5x0.5	.302	.272	29	.036	0	y	9	70.967	72.9	.759	6.834	1...H1-1b
40	CORNER3	L4X4X4	.758	2.77	18	.061	2.77	z	21	52.279	62.532	3.138	6.715	1...H2-1
41	CORNER2	L4X4X4	.760	2.77	30	.061	2.77	z	33	52.279	62.532	3.138	6.715	1...H2-1
42	CORNER1	L4X4X4	.759	2.77	6	.061	2.77	z	9	52.279	62.532	3.138	6.715	1...H2-1
43	CONNECTION3	6X.25	.286	0	8	.181	.75	y	26	20.408	48.6	.254	6.075	1...H1-1b
44	CONNECTION2	6X.25	.290	0	20	.179	.75	y	20	20.408	48.6	.254	6.075	1...H1-1b
45	CONNECTION1	6X.25	.277	.75	35	.177	.75	y	14	20.408	48.6	.254	6.075	2...H1-1b

APPENDIX D

Additional Calculations



POD Job #	21-112416
Site Number	806939
Site Name	NHV 2071 143137

Calculations Based on TIA-222-H

Reactions from RISA-3D

Moment	6.928 ft-kip
Axial	4.153 kips
Shear	2.823 kips

Bolt Information

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

Flange Plate Information

Width	8 in.
Thickness	0.625 in.
Grade	A36

Standoff Information

Standoff Member	HSS
Flat-Flat	4 in.
Thickness	0.1875 in.

Bolt Calculations

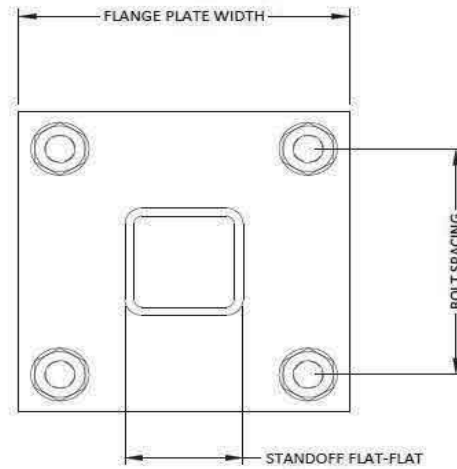
ϕ	0.75
A_{nt}	0.226 in ²
A_b	0.307 in ²
F_u	120 ksi
ϕR_{nv}	13.81 kips
ϕR_{nt}	20.34 kips
V	0.71 kips
F	7.95 kips
Capacity	15.5%

Flange Plate Calculations

ϕ	0.9
F_y	36 ksi
t_{min}	0.26 in
Z	0.8 in ³
ϕM_n	25.3 in-kip
M_u	15.9 in-kip
Capacity	62.8%

Capacities

Bolts	15.5%
Flange Plate	62.8%



APPENDIX E

Design Criteria

ASCE 7 Hazards Report

Address:

No Address at This
Location

Standard: ASCE/SEI 7-10**Risk Category:** II**Soil Class:** D - Stiff Soil**Elevation:** 191.26 ft (NAVD 88)**Latitude:** 41.307878**Longitude:** -73.032283

Wind

Results:

Wind Speed:	124 Vmph
10-year MRI	77 Vmph
25-year MRI	87 Vmph
50-year MRI	93 Vmph
100-year MRI	100 Vmph

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

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

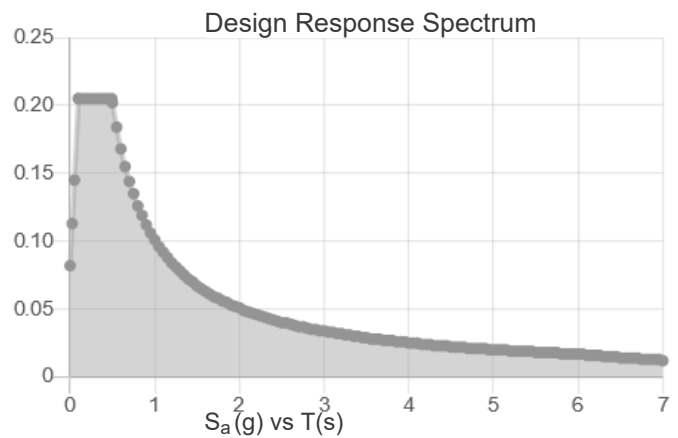
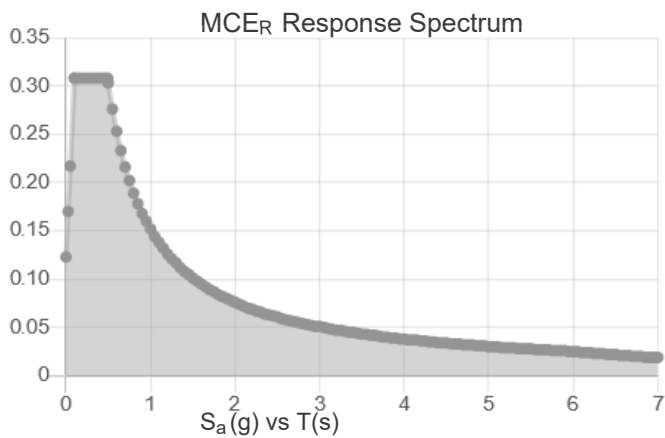
Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_S :	0.192	S_{DS} :	0.205
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.102
S_{MS} :	0.308	PGA_M :	0.162
S_{M1} :	0.152	F_{PGA} :	1.597
		I_e :	1

Seismic Design Category B



Data Accessed:

Mon Sep 20 2021

Date Source:

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

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: 191.26 ft (NAVD 88)
Latitude: 41.307878
Longitude: -73.032283



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: Mon Sep 20 2021

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

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

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

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

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

APPENDIX F

Mount Modification Design Drawings



SITE:
806939 NHV 2071 143137 (CT11584A)

MODIFICATION DRAWING FOR AN EXISTING 12.5' PLATFORM W/ SUPPORT RAILS AT 137' ON A 161' MONOPOLE TOWER

SHEET INDEX	
T-01	TITLE SHEET
N-01	NOTES
S-01	PLAN VIEW
S-02	ELEVATION VIEW
S-03	SECTION VIEWS
M-01	MODIFICATION CHECKLIST

PROJECT INFORMATION	
COUNTY:	NEW HAVEN
SITE ADDRESS:	800 OGG MEADOW ROAD ORANGE, CT 06477
LATITUDE:	41° 18' 28.36"
LONGITUDE:	-73° 1' 56.22"

SCOPE OF WORK:
MOUNT MODIFICATION DRAWINGS INCLUDES: INSTALL PROPOSED MOUNT PIPES & CONNECTIONS BETWEEN CORNER BRACES & STANDOFFS.

PLANS PREPARED FOR:	
PLANS PREPARED BY:	
 POWER OF DESIGN 10331 E. TURKEYFOOT LAKE RD. SUITE 200 ARSON, OHIO 44312 330-961-7432	
CARRIER:	
DRAWING NOTICE: THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.	
MODIFICATION DRAWING	
REV.	DATE DESCRIPTION
SITE INFORMATION:	
NHV 2071 143137 (CT11584A)	
800 OGG MEADOW ROAD ORANGE, CT 06477	
SITE NUMBER:	
806939	
POD NUMBER:	21-112436
DESIGNED BY:	DP
DRAWN BY:	TAJ
CHECKED BY:	JGC
DATE:	10/23/2021
SHEET TITLE:	
TITLE SHEET	
T-01	

GENERAL NOTES

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

REFERENCE DOCUMENTS

DOCUMENT TYPE	DESIGNATION
POD PROJECT NUMBER: 21-109079 DATED: 09/21/2021	

2. ALL MODIFICATIONS MUST BE INSTALLED TO BRING THE TOWER INTO CONFORMANCE WITH ALL APPLICABLE CODES.
- GOVERNING CODES
TIA-222-H & 2018 IBC
124 MPH 3 SECOND GUST
50 MPH 3 SECOND GUST
WIND SPEED W/ ICE
STRUCTURE CLASS
EXPOSURE CATEGORY
TOPOGRAPHIC CATEGORY
SEISMIC RESPONSE ACCELERATIONS
- 2
II
B
1
SBS 0.132 & S11-0.063
3. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE OR APPROVED BY THE EOR. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE PERFORMING WORK SIMILAR TO THAT DESCRIBED WITHIN THESE DRAWINGS. BY ACCEPTANCE OF THIS PROJECT, THE CONTRACTOR IS ATTESTING THAT HE HAS SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND REGISTERED TO PERFORM THE WORK IN THE PROJECT JURISDICTION.
4. WORK SHALL ONLY BE PERFORMED DURING CALM, DRY DAYS (WINDS LESS THAN 10MPH). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE INSTALLATION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIEDOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
5. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIAL ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND EOR. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES AND PROCEDURES.
6. THE DESIGN WITHIN THESE DRAWINGS ASSUMES THE TOWER AND ITS FOUNDATIONS HAVE BEEN WELL MAINTAINED, IN GOOD CONDITION AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBERS, LOOSE BOLTS, CRACKED WELDS, AND OTHER STRUCTURAL DEFECTS HAVE NOT BEEN CONSIDERED UNLESS SPECIFICALLY NOTED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED LEVEL. THE OWNER AND/OR EOR SHALL BE NOTIFIED IMMEDIATELY IF ANY VARIANCES ARE FOUND.
7. THE CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY, LEASE AREA OR APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS PERFORMED WITHIN THESE BOUNDARIES. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE OWNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAIN AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL WORK PERFORMED COMPLIES WITH ALL APPLICATION SAFETY CODES AND GOVERNING REGULATIONS.
9. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULES AND MATERIAL DELIVERIES, WITH THE OWNER/RESIDENT LIAISON AGENT FOR APPROVAL.
10. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNING AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
11. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE EOR.
12. UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORKING LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
13. ALL DIMENSIONS AND QUANTITIES LISTED WITHIN THESE DRAWINGS ARE INTENDED TO AID THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL DIMENSION AND QUANTITIES PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
14. ALL MANUFACTURERS' INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. ANY DEVIATION REQUIRES WRITTEN APPROVAL FROM THE EOR.
15. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING COAX, BRACKETS, ANTENNAS MOUNTS AND ANY OTHER TOWER APPURTENANCE THAT MAY INTERFERE WITH THE INSTALLATION OF THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACE AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME MOUNTS OR ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATION TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOM MOUNTS OR ATTACHMENTS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE OWNER/EOR PRIOR TO REMOVAL. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE OWNER IN WRITING.
16. DO NOT SCALE DRAWINGS.

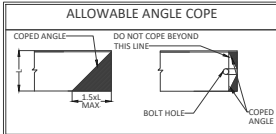
STRUCTURAL STEEL NOTES

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

MATERIAL SPECIFICATIONS

ANGLES	ASTM A36 (36 KSI YIELD STRENGTH)
PIPES	ASTM A53 GR. B (35 KSI YIELD STRENGTH)
BOLTS	ASTM A325N
NUTS	ASTM A563
WASHER	ASTM F436
U-BOLTS	ASTM A307

3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST EDITION.
4. CAULKING SHALL BE PROVIDED AROUND PERIMETER OF ANY AND ALL MODIFICATION MEMBERS TO ENSURE COMPLETE SEAL BETWEEN EXISTING STRUCTURE AND REINFORCING MEMBERS IN FULL CONTACT WITH EXISTING STEEL. SEALANT IS TO BE EXTERIOR GRADE, PAINTABLE SILICONE CAULKING AS MANUFACTURED BY DOW AND ACCEPTABLE TO EOR.
5. HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE EOR.
6. ALL EXPOSED STEEL SHALL BE HOTDIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A663 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOTDIPPED GALVANIZING IS NOT PERMITTED DACROMET F1136 GRADE 3 COATINGS SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN EOR APPROVAL FOR STEEL PROTECTION BY ANY OTHER MEANS.
7. REPAIR DAMAGED PAINTED/GALVANIZED SURFACES WITH TWO COATS OF BRUSH OR ROLL ON ZINC COLD GALVANIZING COMPOUND OR EOR APPROVED COATING. SURFACES MUST BE WIRE BRUSHED AND SOLVENT CLEANED PRIOR TO APPLICATION OF GALVANIZING COMPOUND.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES (LOCKING NUT/PAL NUT) TO BE INSTALLED IN ACCORDANCE WITH TIA/EIA X222 REQUIREMENTS.
9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.

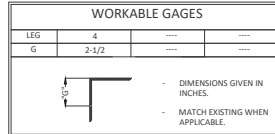


1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENT.

BOLT SCHEDULE

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	8/16x11/16	7/8	1-1/2
5/8	11/16	11/16x7/8	1-1/8	1-7/8
3/4	13/16	13/16x1	1-1/4	2-1/4
7/8	15/16	15/16x1-1/8	1-1/2	2-5/8
1	1-1/16	1-1/16x1-5/16	1-3/4	3

Diagram showing bolt spacing and edge distance.



PLANS PREPARED FOR:



PLANS PREPARED BY:



CARRIER:



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MODIFICATION DRAWING

REV. DATE DESCRIPTION

SITE INFORMATION:

NHV 2071 143137 (CT11584A)

800 OGGS MEADOW ROAD
ORANGE, CT 06477

SITE NUMBER:
806939

POD NUMBER: 21-112436
DESIGNED BY: DP
DRAWN BY: TAJ
CHECKED BY: JGC
DATE: 09/23/2021

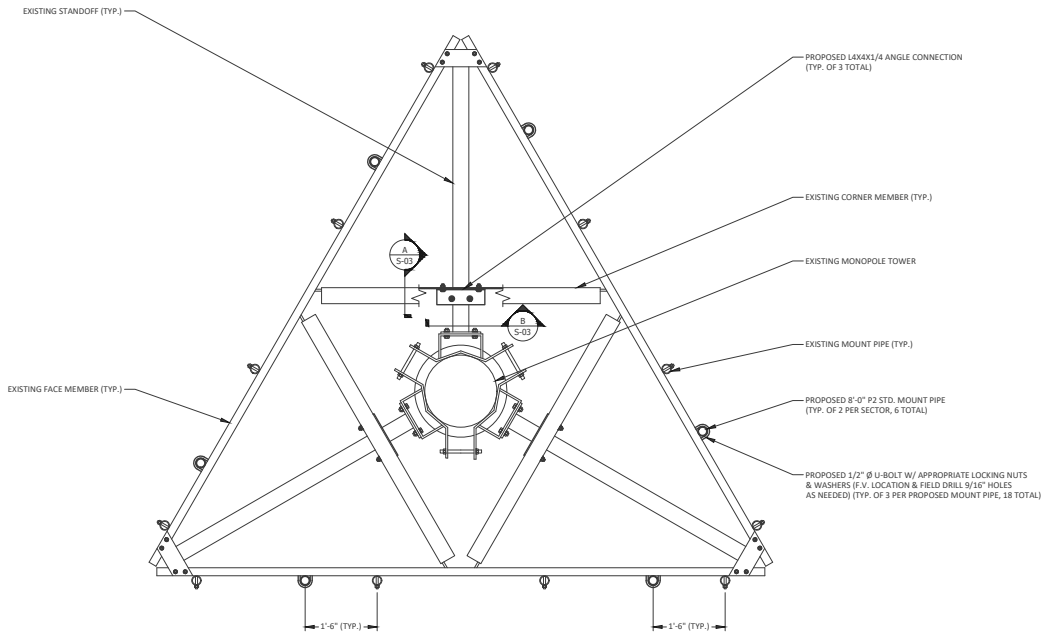
SHEET TITLE:

NOTES

N-01

NOTES:

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



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

PLANS PREPARED FOR:



PLANS PREPARED BY:



CARRIER:



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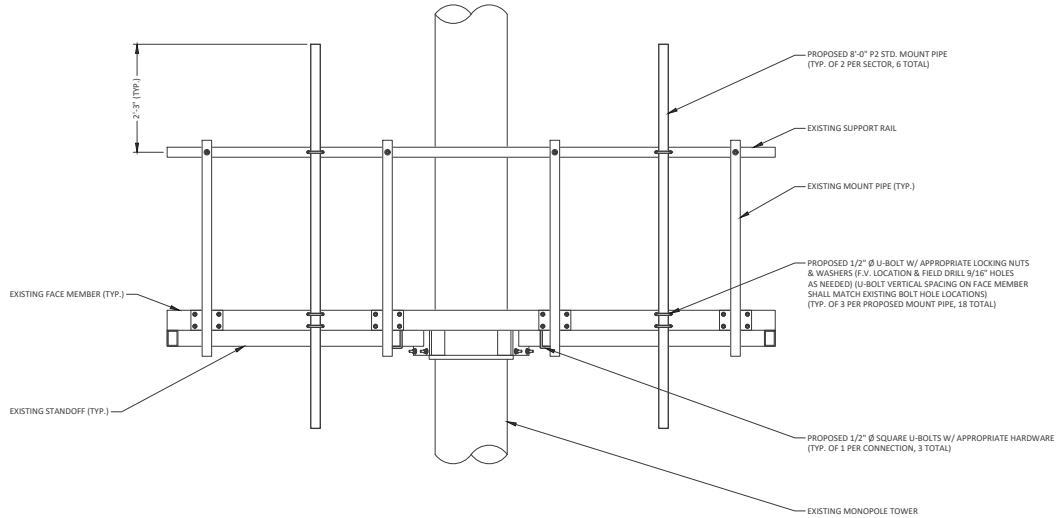
SHEET TITLE:

PLAN VIEW

S-01

NOTES:

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



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

PLANS PREPARED FOR:



PLANS PREPARED BY:



CARRIER:



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MODIFICATION DRAWING

REV.	DATE	DESCRIPTION

SITE INFORMATION:

NHV 2071 143137 (CT11584A)

800 OGG MEADOW ROAD
ORANGE, CT 06477

SITE NUMBER:

806939

POD NUMBER: 21-112436
DESIGNED BY: DP
DRAWN BY: TAJ
CHECKED BY: JGC
DATE: 08/23/2021

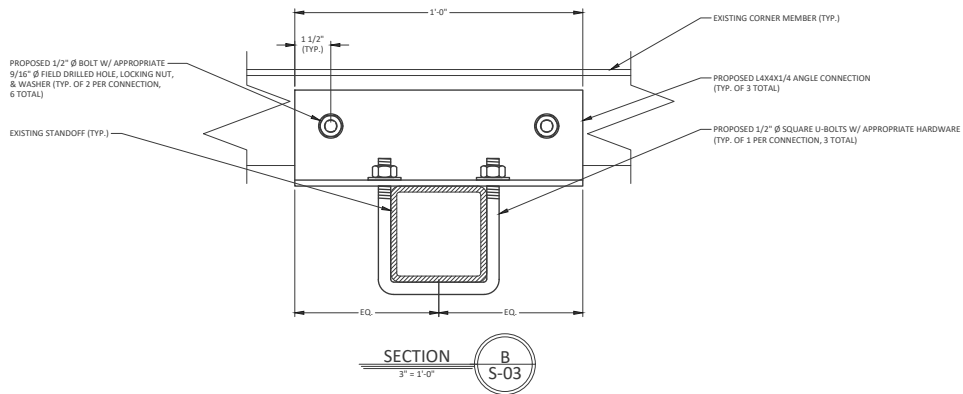
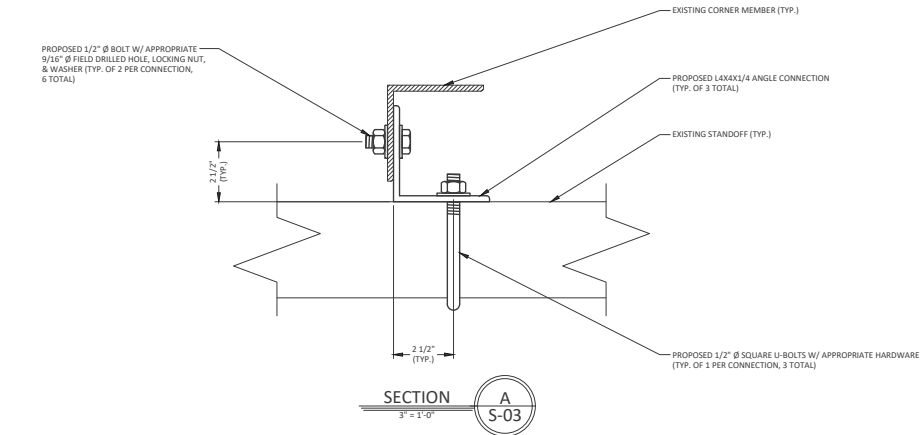
SHEET TITLE:

ELEVATION VIEW

S-02

NOTES:

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



PLANS PREPARED FOR:



PLANS PREPARED BY:



CARRIER:



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MODIFICATION DRAWING

REV. DATE DESCRIPTION

REV.	DATE	DESCRIPTION

SITE INFORMATION:

NHV 2071 143137 (CT11584A)

800 GGG MEADOW ROAD
ORANGE, CT 06477

SITE NUMBER:
806939

POD NUMBER: 21-112436
DESIGNED BY: DP
DRAWN BY: TAJ
CHECKED BY: JGC
DATE: 10/23/2021

SHEET TITLE:

SECTION VIEWS

S-03

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

MODIFICATION INSPECTION NOTES:

GENERAL:

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

MODIFICATION INSPECTOR:

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

GENERAL CONTRACTOR:

1. THE GC IS REQUIRED TO CONTACT THE MODIFICATION INSPECTOR AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSTALLATION OR TURKEY PROJECT TO:

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

RECOMMENDATIONS:

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

CANCELLATION OR DELAYS IN SCHEDULED MODIFICATION INSPECTION:

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

CORRECTION OF FAILING MODIFICATION INSPECTION:

1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION

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

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

VERIFICATION INSPECTIONS:

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

REQUIRED PHOTOS:

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

PLANS PREPARED FOR:



PLANS PREPARED BY:



CARRIER:



OWNER'S NOTICE:

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MODIFICATION DRAWING

REV.	DATE	DESCRIPTION

SITE INFORMATION:

NHV 2071 143137 (CT11584A)

800 OGGS MEADOW ROAD
ORANGE, CT 06477

SITE NUMBER:

806939

POD NUMBER:	21-112436
DESIGNED BY:	DP
DRAWN BY:	TJH
CHECKED BY:	JGC
DATE:	10/23/2021

SHEET TITLE:

MODIFICATION CHECKLIST

MI-01

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

T-Mobile Existing Facility

Site ID: CT11584A

806939

800 Ogg Meadow Road
Orange, Connecticut 06477

December 16, 2021

EBI Project Number: 6221007679

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	22.30%



December 16, 2021

T-Mobile

Attn: Jason Overbey, RF Manager

35 Griffin Road South

Bloomfield, Connecticut 06002

Emissions Analysis for Site: CT11584A - 806939

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **800 Ogg Meadow Road in Orange, Connecticut** for the purpose of determining whether the emissions from the Proposed T-Mobile 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 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits; therefore, it is necessary to report results and limits in terms of percent MPE rather than power density.

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

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

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limits for the 600 MHz and 700 MHz frequency bands are approximately $400 \mu\text{W}/\text{cm}^2$ and $467 \mu\text{W}/\text{cm}^2$, respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 11 GHz frequency bands is $1000 \mu\text{W}/\text{cm}^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report 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 T-Mobile Wireless antenna facility located at 800 Ogg Meadow Road in Orange, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile 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 power density calculations, the broadcast footprint of the AIR6449 antenna has been considered. Due to the beamforming nature of this antenna, the actual beam locations vary depending on demand and are narrow in nature. Using the broadcast footprint accounts for the potential location of beams at any given time.

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

- 1) 2 LTE channels (600 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 2) 1 NR channel (600 MHz Band) was considered for each sector of the proposed installation. This Channel has a transmit power of 80 Watts.
- 3) 2 LTE channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 4) 4 GSM channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 5) 2 LTE channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.



- 6) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.
- 7) 1 LTE Traffic channel (LTE 1C and 2C BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 60 Watts.
- 8) 1 LTE Broadcast channel (LTE 1C and 2C BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 20 Watts.
- 9) 1 NR Traffic channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 120 Watts.
- 10) 1 NR Broadcast channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 40 Watts.
- 11) 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.
- 12) 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.
- 13) The antennas used in this modeling are the RFS APXVAALL24_43-U-NA20 for the 600 MHz / 600 MHz / 600 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s), the RFS APX16DWV-16DWV-S-E-A20 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s) in Sector A, the RFS APXVAALL24_43-U-NA20 for the 600 MHz / 600 MHz / 600 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s), the RFS APX16DWV-16DWV-S-E-A20 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s) in Sector B, the RFS APXVAALL24_43-U-NA20 for the 600 MHz / 600 MHz / 600 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s), the RFS APX16DWV-16DWV-S-E-A20 for the 1900 MHz / 1900 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.

- 14) The antenna mounting height centerline of the proposed antennas is 138 feet above ground level (AGL).
- 15) 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.
- 16) All calculations were done with respect to uncontrolled / general population threshold limits.



T-Mobile Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	RFS APXVAALL24_43- U-NA20	Make / Model:	RFS APXVAALL24_43- U-NA20	Make / Model:	RFS APXVAALL24_43- U-NA20
Frequency Bands:	600 MHz / 600 MHz / 600 MHz	Frequency Bands:	600 MHz / 600 MHz / 600 MHz	Frequency Bands:	600 MHz / 600 MHz / 600 MHz
Gain:	12.95 dBd / 12.95 dBd / 12.95 dBd	Gain:	12.95 dBd / 12.95 dBd / 12.95 dBd	Gain:	12.95 dBd / 12.95 dBd / 12.95 dBd
Height (AGL):	138 feet	Height (AGL):	138 feet	Height (AGL):	138 feet
Channel Count:	6	Channel Count:	6	Channel Count:	6
Total TX Power (W):	180 Watts	Total TX Power (W):	180 Watts	Total TX Power (W):	180 Watts
ERP (W):	3,550.36	ERP (W):	3,550.36	ERP (W):	3,550.36
Antenna A1 MPE %:	1.83%	Antenna B1 MPE %:	1.83%	Antenna C1 MPE %:	1.83%
Antenna #:	2	Antenna #:	2	Antenna #:	2
Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449
Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz
Gain:	22.65 dBd / 17.3 dBd / 22.65 dBd / 17.3 dBd	Gain:	22.65 dBd / 17.3 dBd / 22.65 dBd / 17.3 dBd	Gain:	22.65 dBd / 17.3 dBd / 22.65 dBd / 17.3 dBd
Height (AGL):	138 feet	Height (AGL):	138 feet	Height (AGL):	138 feet
Channel Count:	4	Channel Count:	4	Channel Count:	4
Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts
ERP (W):	36,356.09	ERP (W):	36,356.09	ERP (W):	36,356.09
Antenna A2 MPE %:	7.50%	Antenna B2 MPE %:	7.50%	Antenna C2 MPE %:	7.50%
Antenna #:	3	Antenna #:	3	Antenna #:	3
Make / Model:	RFS APX16DWV- 16DWV-S-E-A20	Make / Model:	RFS APX16DWV- 16DWV-S-E-A20	Make / Model:	RFS APX16DWV- 16DWV-S-E-A20
Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz
Gain:	15.9 dBd / 15.9 dBd / 15.9 dBd	Gain:	15.9 dBd / 15.9 dBd / 15.9 dBd	Gain:	15.9 dBd / 15.9 dBd / 15.9 dBd
Height (AGL):	138 feet	Height (AGL):	138 feet	Height (AGL):	138 feet
Channel Count:	8	Channel Count:	8	Channel Count:	8
Total TX Power (W):	360 Watts	Total TX Power (W):	360 Watts	Total TX Power (W):	360 Watts
ERP (W):	14,005.63	ERP (W):	14,005.63	ERP (W):	14,005.63
Antenna A3 MPE %:	2.89%	Antenna B3 MPE %:	2.89%	Antenna C3 MPE %:	2.89%



Site Composite MPE %	
Carrier	MPE %
T-Mobile (Max at Sector A):	12.22%
AT&T	4.24%
Metro PCS	0.77%
Verizon	1.95%
Clearwire	0.17%
T-Mobile (Existing)	2.66%
Metricom	0.06%
XM Sat Radio	0.23%
Site Total MPE % :	22.30%

T-Mobile MPE % Per Sector	
T-Mobile Sector A Total:	12.22%
T-Mobile Sector B Total:	12.22%
T-Mobile Sector C Total:	12.22%
Site Total MPE % :	22.30%

T-Mobile Maximum MPE Power Values (Sector A)							
T-Mobile Frequency Band / Technology (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
T-Mobile 600 MHz LTE	2	591.73	138.0	2.44	600 MHz LTE	400	0.61%
T-Mobile 600 MHz LTE	2	591.73	138.0	2.44	600 MHz LTE	400	0.61%
T-Mobile 600 MHz LTE	2	591.73	138.0	2.44	600 MHz LTE	400	0.61%
T-Mobile 2500 MHz LTE IC & 2C Traffic	1	11044.63	138.0	22.79	2500 MHz LTE IC & 2C Traffic	1000	2.28%
T-Mobile 2500 MHz LTE IC & 2C Broadcast	1	1074.06	138.0	2.22	2500 MHz LTE IC & 2C Broadcast	1000	0.22%
T-Mobile 2500 MHz NR Traffic	1	22089.26	138.0	45.58	2500 MHz NR Traffic	1000	4.56%
T-Mobile 2500 MHz NR Broadcast	1	2148.13	138.0	4.43	2500 MHz NR Broadcast	1000	0.44%
T-Mobile 1900 MHz GSM	4	1167.14	138.0	9.63	1900 MHz GSM	1000	0.96%
T-Mobile 1900 MHz LTE	2	2334.27	138.0	9.63	1900 MHz LTE	1000	0.96%
T-Mobile 2100 MHz LTE	2	2334.27	138.0	9.63	2100 MHz LTE	1000	0.96%
						Total:	12.22%

• 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 T-Mobile 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:

T-Mobile Sector	Power Density Value (%)
Sector A:	12.22%
Sector B:	12.22%
Sector C:	12.22%
T-Mobile Maximum MPE % (Sector A):	12.22%
Site Total:	22.30%
Site Compliance Status:	COMPLIANT

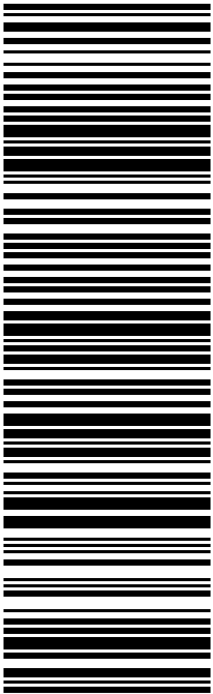
The anticipated composite MPE value for this site assuming all carriers present is **22.30%** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

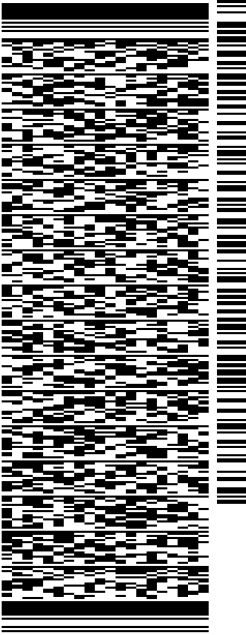
FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100%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

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TO MELANIE A. BACHMAN CONNECTICUT SITING COUNCIL 10 FRANKLIN SQUARE	NEW BRITAIN CT 06051 (860) 827-2935 REF: 100788/CSC 806939 INV: PO: DEPT:
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TRK# 7755 8162 7270 0201	THU - 23 DEC 11:30A PRIORITY OVERNIGHT
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