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

June 29, 2020

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

RE: **Notice of Exempt Modification for AT&T – 806352**
126 Ledge Road, Darien, CT 06820
Latitude: 41° 4′ 20.75″ / Longitude: -73° 28′ 41.40″

Dear Ms. Bachman:

AT&T currently maintains nine (9) total antennas at the 89-foot mount on the existing 117-foot Monopole Tower, located at 126 Ledge Road, Darien, CT. The tower is owned by Crown Castle and the property is owned by the Town of Darien. AT&T now intends to add three (3) new antennas to their configuration for a total antenna count of twelve (12) antennas.

This facility was approved by the Connecticut Siting Council in Petition No. 155 on December 20, 1992. This approval included conditions that 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 Jayme Stevenson, First Selectwoman, Town of Darien, as both the municipality and the property owner, Jeremy Ginsburg, Planning and Zoning Director for the Town of Darien and Crown Castle is the tower owner.

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

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

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

4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

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

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

Sincerely,

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

Attachments

cc:

Jayme Stevenson, First Selectman (*via email only to jstevenson@darienct.gov*)
Town of Darien
Room 202, Town Hall
2 Renshaw Road
Darien, CT 06820
203.656.7300

Jeremy Ginsberg, Planning & Zoning Director (*via email only to jginsberg@darienct.gov*)
Planning and Zoning Office
Room 211, Town Hall
2 Renshaw Road
Darien, CT 06820
203.656.7300

Crown Castle, Tower Owner

From: Zsamba, Anne Marie
To: jstevenson@darienct.gov
Subject: Notice of Exempt Modification for AT&T - 126 Ledge Road
Date: Monday, June 29, 2020 5:28:00 PM
Attachments: EM-AT&T-806352-126 Ledge Rd Darien_notice.pdf

Dear First Selectwoman Stevenson:

Attached please find AT&T's exempt modification application that is being submitted to the Connecticut Siting Council, today June 29, 2020.

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

Best,
Anne Marie Zsamba

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

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

From:	Zsamba, Anne Marie
To:	jginsberg@darienct.gov
Subject:	Notice of Exempt Modification for AT&T - 126 Ledge Road
Date:	Monday, June 29, 2020 5:28:00 PM
Attachments:	EM-AT&T-806352-126 Ledge Rd Darien_notice.pdf

Dear Zoning Director Ginsberg:

Attached please find AT&T's exempt modification application that is being submitted to the Connecticut Siting Council, today June 29, 2020.

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

Best,
Anne Marie Zsamba

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Site Acquisition Specialist
T: (201) 236-9224
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Exhibit A

Original Facility Approval

DOCKET NO. 155 - An application of Metro Mobile CTS of Fairfield County, Inc., for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telephone telecommunications tower, antennas, associated equipment, and building on a 17-acre parcel of land used and owned by the Town of Darien as the Town waste transfer station off Ledge Road, with an alternative site on a 1 acre parcel owned by the Noroton Heights Fire Department, Inc., located immediately adjacent to the Noroton Heights Fire Department Building at 209 Noroton Avenue in the Town of Darien, Connecticut.

Connecticut

Siting

Council

December 30, 1992

DECISION AND ORDER

Pursuant to the foregoing Findings of Fact, and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a cellular telecommunications tower and equipment building at the proposed Darien, Connecticut, prime site 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 section 16-50k of the Connecticut General Statutes (CGS), be issued to Metro Mobile CTS of Fairfield County, Inc. (Metro Mobile), for the construction, operation, and maintenance of a cellular telecommunications tower, associated equipment, and building within property owned by the Town of Darien located on Ledge Road, Darien, Connecticut.

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

1. The self-supporting monopole tower shall be no taller than necessary to provide the proposed communications service and the tower shall not exceed a total height of 113 feet above ground level (AGL), with antennas and appurtenances.

2. The Certificate holder shall prepare a Development and Management (D&M) plan for this site in compliance with sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies. The D&M plan shall include detailed plans of the tower, tower foundation, equipment building, access road including all upgrades, utility connection, security fence, and detailed plans for drainage, erosion, and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sedimentation Control. In addition, the D&M plan shall include detailed landscaping plans for the facility site, with options to provide landscaping on the Town property boundary north of the site and on the Middlesex Common Condominium property subject to their approval.

3. The Certificate Holder shall comply with any existing and future radio frequency (RF) standard promulgated by State or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facility granted herein shall be brought into compliance with such standards.

4. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. If the facility does not initially provide, or permanently ceases to provide cellular or other services following completion of construction, this Decision and Order shall be void, and the Certificate holder shall dismantle the tower and remove all associated equipment or reapplication for any continued or new use shall be made to the Council before any such use is made.

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

Pursuant to CGS section 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 Norwalk Hour, Stamford Advocate, and Darien News-Review.

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 State Agencies.

The parties and intervenors to this proceeding are:

APPLICANT	ITS REPRESENTATIVES
Metro Mobile CTS of Fairfield County, Inc.	Metro Mobile CTS of Fairfield County, Inc. 20 Alexander Drive Wallingford, CT 06492 Attn: David S. Malko, P.E. Manager, Engineering and Regulatory Services Robinson & Cole One Commercial Plaza Hartford, CT 06103-3597 Attn: Earl W. Phillips, Jr., Esq. Charles R. Wolfe, Esq. Henry H. Sprague, III, Esq.
INTERVENOR	ITS REPRESENTATIVE
The Springwich Cellular Limited Partnership	Peter J. Tyrrell Senior Attorney SNET Cellular, Inc. 227 Church Street Room 1021 New Haven, CT 06506
PARTY	ITS REPRESENTATIVE
Middlesex Common Condominium Association, Inc.	Rebecca Oldfield Smith 53 Hale Lane Darien, Connecticut 06820
INTERVENOR	
Bruce Fletcher 236 Noroton Avenue Darien, Connecticut 06820	

Exhibit B

Property Card

Profile

Parcel:	29014	**Land Use Code:**	MUNICIPAL
Alternate ID:	39 20&21		
Address:	126 LEDGE ROAD	**NBHD:**	1032
Owner:	TOWN OF DARIEN PUBLIC WORKS GARAGE	**Land Acres:**	20.4
Mailing Address:	C/O DPW 2 RENSHAW ROAD DARIEN CT 06820		

Value Summary:

Appraised Land:	7,330,400	**Assessed Land:**	5,131,280
Appraised Building:	4,908,900	**Assessed Building:**	3,436,230
Appraised Total:	12,239,300	**Assessed Total:**	8,567,510

Primary Residential Card:

Card:	**Half Baths:**	**Fireplace Prefab:**
Stories:	**HT/AC:**	**Fireplace OP/ST:** /
Use:	**Fuel:**	**Basement Gar.:**
Type:	**System:**	**Grade:**
Year Built:	**Attic:**	**Cond (CDU):**
Year Remodeled:	**Basement:**	**% Complete:**
Total Rooms:	**RecRm-Not in Liv SF:**	**Family Room:**
Bedrooms:	**Finsh Bsmt-In Liv SF:**	**Ext. Material:**
Full Baths:	**Square Feet:**	

Commercial Card:

Year Built:	1980	**Stories:**	398 - WAREHOUSE
Eff. Yr. Built:	2010	**Gross Flr. Area:**	39102
Units:	1	**Grade:**	A-

Land:

Classification	Type:	Acres	SF
UNDEVELOPED	A-ACREAGE	10.4	453024
PRIMARY	A-ACREAGE	10	435600

Other Items:

Code	Description	Year Built	Square Ft.
TT4	TOWER	2016	110
SH3	FINISHED	2007	720
RS3	BRICK/STN	2000	90
PA1	ASPHALT OR	1985	35000

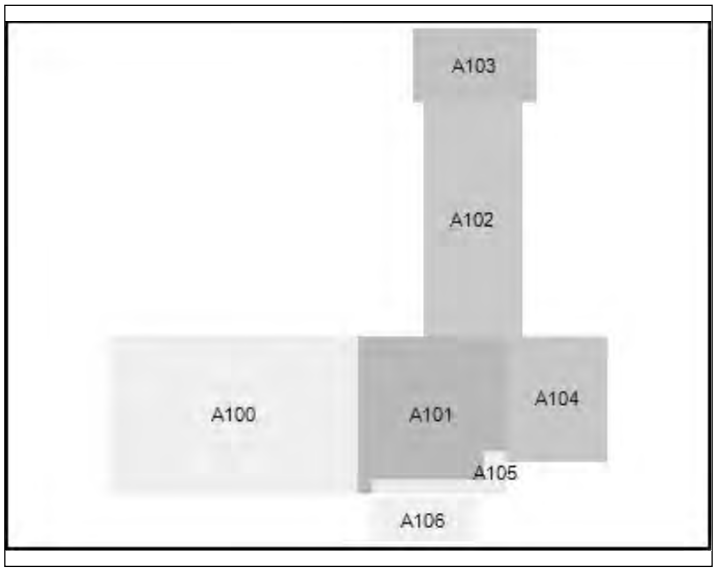
FN1	FENCE CHAIN	1980	4200
TT4	TOWER	2007	117
RG6	GARAGE-1S FIN	2013	1100

Sales History:

Date	Book-Page	Grantee	Amount
1800-JAN-01	0000--0000	TOWN OF DARIEN	

PHOTO

SKETCH



Sketch Legend

6 A100 - VB1:1S/B 7770 Sq. Ft.
7 A101 - VB1:1S/B 4130 Sq. Ft.
8 A102 - VB1:1S/B 4576 Sq. Ft.
9 A103 - VB1:1S/B 1815 Sq. Ft.
10 A104 - VS1:1S 2520 Sq. Ft.
11 CANPY RF/SLB - CP6:CANOPY ROOF/SLAB 490 Sq. Ft.
12 CANPY RF-AVG - CP8:CANOPY RF-AVERAGE 920 Sq. Ft.
1 AUTO PARTS/S - 047:AUTO PARTS/SERVICE 7770 Sq. Ft.
2 AUTO PARTS/S - 047:AUTO PARTS/SERVICE 7770 Sq. Ft.
3 AUTO PARTS/S - 047:AUTO PARTS/SERVICE 8706 Sq. Ft.
4 MULTI-USE OF - 082:MULTI-USE OFFICE 4130 Sq. Ft.
5 AUTO PARTS/S - 047:AUTO PARTS/SERVICE 4576 Sq. Ft.
6 AUTO PARTS/S - 047:AUTO PARTS/SERVICE 2520 Sq. Ft.
8 AUTO PARTS/S - 047:AUTO PARTS/SERVICE 1815 Sq. Ft.
9 AUTO PARTS/S - 047:AUTO PARTS/SERVICE 1815 Sq. Ft.
2 FENCE CHAI - FN1:FENCE CHAIN 4200 Sq. Ft.
3 BR/ST SHED - RS3:BRICK/STN UTILITY SHED 90 Sq. Ft.
4 GAR-1S FIN - RG6:GARAGE-1S FIN 1100 Sq. Ft.
5 TOWER CELL - TT4:TOWER CELLULAR 117 Sq. Ft.
6 METAL SHED - SH3:FINISHED METAL SHED 720 Sq. Ft.
2 OVRHD DR - OD1:OVERHEAD DR-WOOD/MTL 144 Sq. Ft.
1 ASPH PAVE - PA1:ASPHALT OR BLACKTOP PAVING 35000 Sq. Ft.
1 OVRHD DR - OD1:OVERHEAD DR-WOOD/MTL 196 Sq. Ft.
7 TOWER CELL - TT4:TOWER CELLULAR 110 Sq. Ft.

3 OVRHD DR - OD1:OVERHEAD DR-WOOD/MTL 120 Sq. Ft.
4 OVRHD DR - OD1:OVERHEAD DR-WOOD/MTL 160 Sq. Ft.


LEDGE RD
LEDGE RD
CONNECTICUT TNPK SOUTHBOUND
CONNECTICUT TNPK
HALE LN
#125
#136
#156
#138
#35
#1297
#50

Exhibit C

Construction Drawings

AT&T

AT&T SITE NUMBER:	**10035058**	**BUSINESS UNIT #:**	**806352**
AT&T SITE NAME:	**DARIEN**	**SITE ADDRESS:**	**126 LEDGE ROAD DARIEN, CT 06820**
AT&T FA CODE:	**10035058**	**COUNTY:**	**FAIRFIELD**
AT&T PACE NUMBER:	**MRCTB047116**	**SITE TYPE:**	**MONOPOLE**
AT&T PROJECT:	**LTE 7C**	**TOWER HEIGHT:**	**117'-0"**

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	BRG 302 943052
SITE ADDRESS:	126 LEDGE ROAD DARIEN, CT 06820
COUNTY:	FAIRFIELD
MAP/PARCEL #:	DARI-000039-000000-000020-000021
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 04' 20.75"
LONGITUDE:	-73° 28' 41.40"
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	73 FT.
CURRENT ZONING:	A-2
JURISDICTION:	TOWN OF DARIEN
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TOWN OF DARIEN C/O FIRST SELECTMAN'S OFFICE 2 RENSHAW RD DARIEN, CT 06820-
TOWER OWNER:	CROWN ATLANTIC COMPANY LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	AT&T TOWER ASSET GROUP 575 MOROSGO DRIVE ATLANTA, GA 30324-3300
ELECTRIC PROVIDER:	NORTHEAST UTILITIES (800) 286-2000
TELCO PROVIDER:	AT&T (866) 620-6900

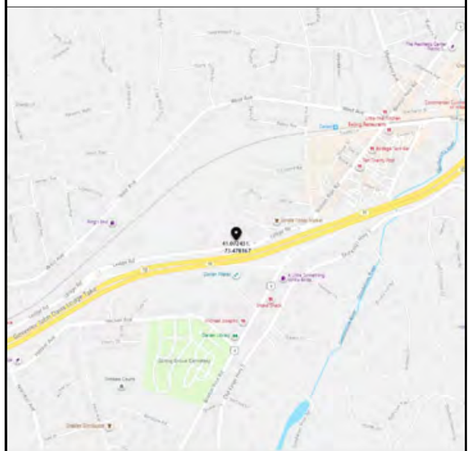
DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	SITE PLAN
C-1.2	EXISTING & FINAL EQUIPMENT PLANS
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	FINAL EQUIPMENT SCHEDULE
C-4	EQUIPMENT SPECS
G-1	GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CALL CONNECTICUT ONE CALL
(800) 922-4455 CBYD.COM
CALL 2 WORKING DAYS
BEFORE YOU DIG!
811

LOCATION MAP



NO SCALE

SITE PHOTO

PROJECT TEAM

A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317 CROWNAE.APPROVAL@CROWNCASTLE.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 VERONICA DELIA - PROJECT MANAGER (215) 292-2087 JASON D'AMICO - CONSTRUCTION MANAGER (860) 209-0104

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- RELOCATE (2) QUINTEL - QS66512-2 ANTENNAS
- RELOCATE (1) CCI - TPA-65R-LCUUUU-H8 ANTENNA
- INSTALL (2) CCI - HPA65R-BU6A ANTENNAS
- INSTALL (1) CCI - HPA65R-BU8A ANTENNAS
- INSTALL (3) ERICSSON - RRUS E2 B29 RRUs
- INSTALL (1) RAYCAP - DC6-48-60-8-8F SQUID
- INSTALL (2) #6 AWG DC CABLES

GROUND SCOPE OF WORK:
- INSTALL (3) UP CONVERTERS AND BREAKER PANEL

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 CT STATE BUILDING CODE/2015 IBC W/ CT AMENDMENTS
MECHANICAL	2018 CT STATE BUILDING CODE/2015 IMC W/ CT AMENDMENTS
ELECTRICAL	2018 CT STATE BUILDING CODE/2017 NEC W/ CT AMENDMENTS

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	PAUL J. FORD & COMPANY
DATED:	MAY 12, 2020
MOUNT ANALYSIS:	POWER OF DESIGN GROUP
DATED:	MAY 7, 2020
RFDS REVISION:	PRELIMINARY
DATED:	4/29/2020
ORDER ID:	517060
REVISION:	0

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

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

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

AT&T SITE NUMBER: **10035058**

BU #: **806352**
BRG 302 943052

126 LEDGE ROAD
DARIEN, CT 06820

EXISTING 117'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/12/20	EA	PRELIMINARY	RO
B	05/21/20	EA	PRELIMINARY	RO
C	06/09/20	EA	PRELIMINARY	RO
0	06/26/20	EA	CONSTRUCTION	MD

DocuSigned by:
01434153466B482...
STATE OF CONNECTICUT
MARIBEL DENTINGER
23524
LICENSED
PROFESSIONAL ENGINEER
6/26/2020 | 2:44:49 PM EDT

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101

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

SHEET NUMBER:	REVISION:
T-1	0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

CONDUCTOR COLOR CODE

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

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

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

AT&T SITE NUMBER: **10035058**

BU #: **806352**
BRG 302 943052

126 LEDGE ROAD
DARIEN, CT 06820

EXISTING 117'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/12/20	EA	PRELIMINARY	RO
B	05/21/20	EA	PRELIMINARY	RO
C	06/09/20	EA	PRELIMINARY	RO
0	06/26/20	EA	CONSTRUCTION	MD

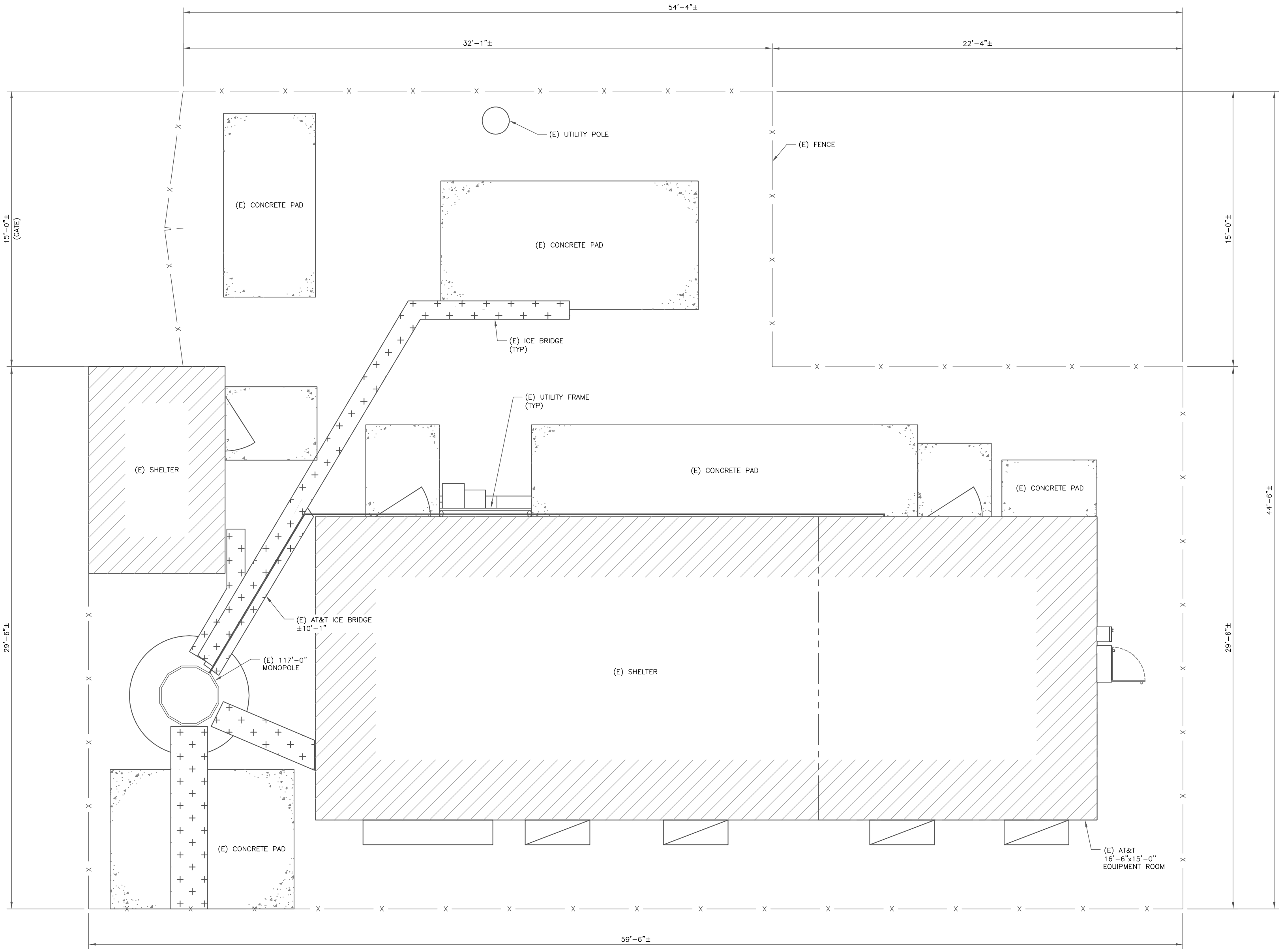
DocuSigned by:
01434153466B482...

STATE OF CONNECTICUT
MARIBEL DENTINGER
23524
LICENSED
PROFESSIONAL ENGINEER

6/26/2020 | 2:44:49 PM EDT

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101

SHEET NUMBER: T-2
REVISION: 0



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

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

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

AT&T SITE NUMBER: **10035058**

BU #: **806352**
BRG 302 943052

126 LEDGE ROAD
DARIEN, CT 06820

EXISTING 117'-0" MONOPOLE

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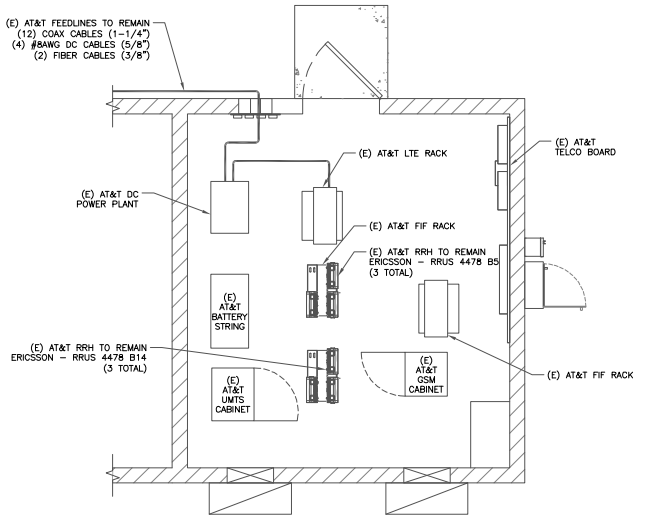
DocuSigned by:
STATE OF CONNECTICUT
23524
LICENSED
PROFESSIONAL ENGINEER
6/26/2020 | 2:44:49 PM EDT

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101

SHEET NUMBER: C-1.1
REVISION: 0



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

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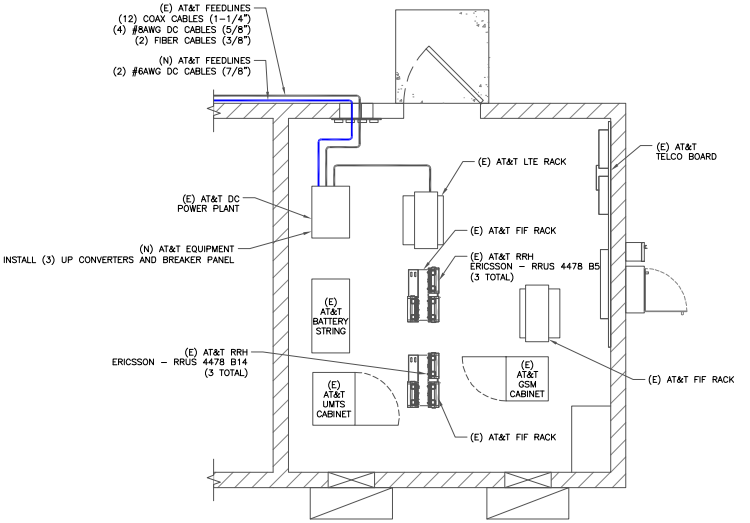


1 FINAL EQUIPMENT PLAN
SCALE: 3/8"=1'-0" (FULL SIZE) 3/16"=1'-0" (11x17)

N

GROUND SCOPE OF WORK:

- INSTALL (3) UP CONVERTERS AND BREAKER PANEL

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-5300

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

AT&T SITE NUMBER: **10035058**

BU #: **806352**
BRG 302 943052

126 LEDGE ROAD
DARIEN, CT 06820

EXISTING 117'-0" MONOPOLE

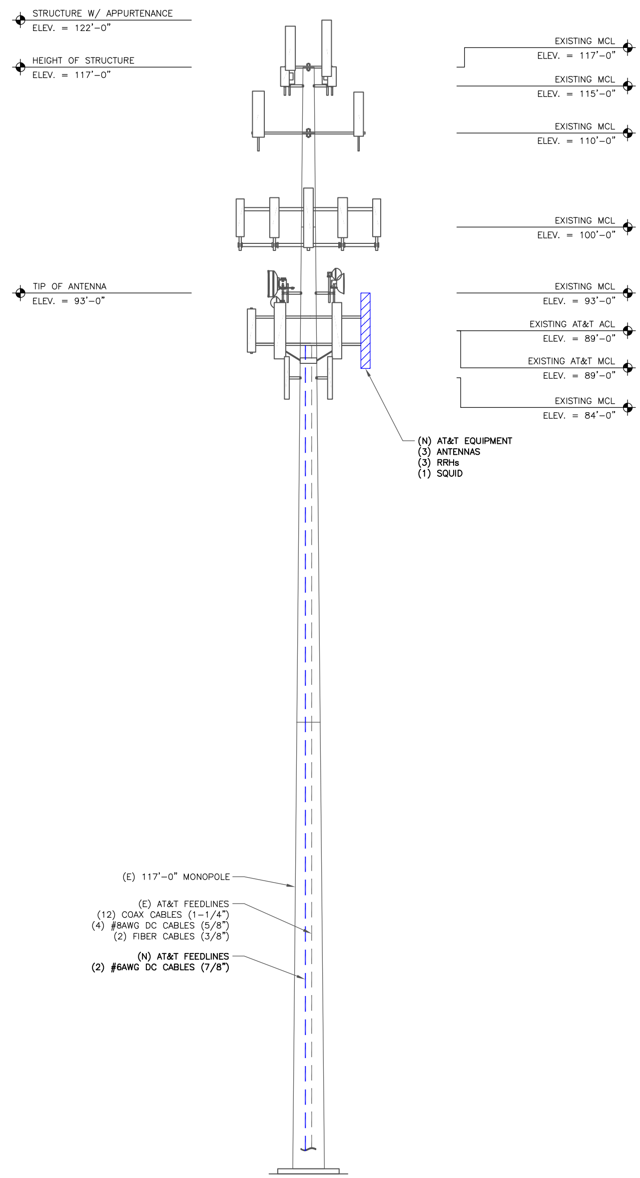
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/12/20	EA	PRELIMINARY	JO
B	05/21/20	EA	PRELIMINARY	JO
C	06/09/20	EA	PRELIMINARY	JO
0	06/26/20	EA	CONSTRUCTION	MD

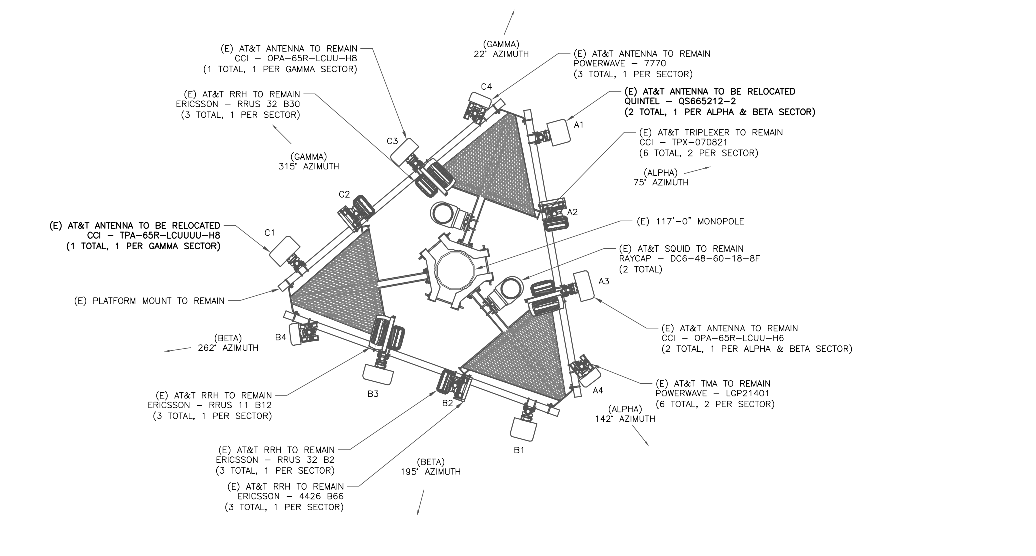
DocuSigned by:
Wesley D. Pentiger
STATE OF CONNECTICUT
WESLEY D. PENTIGER
23524
LICENSED
PROFESSIONAL ENGINEER
6/26/2020 | 11:44:49 PM EDT

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101

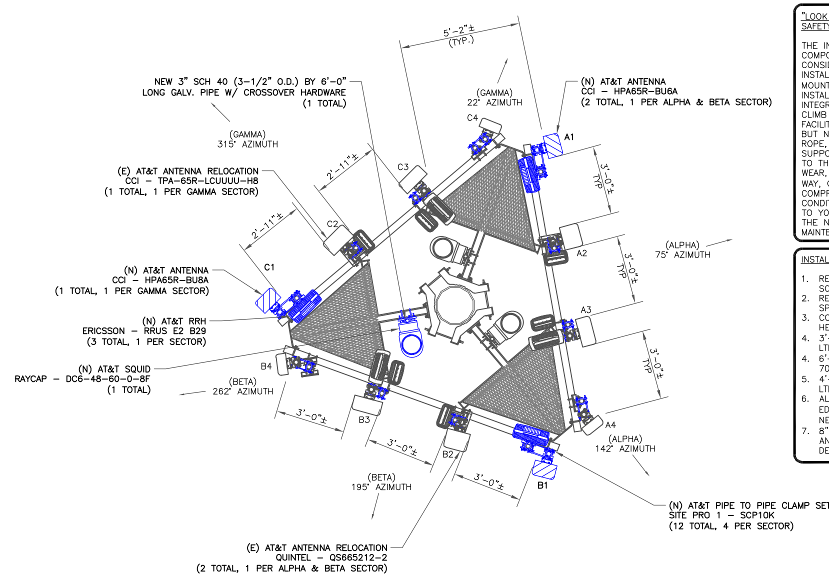
SHEET NUMBER: C-1.2
REVISION: 0



1 FINAL ELEVATION
SCALE: NOT TO SCALE



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



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

"LOOK UP" - CROWN CASTLE USA INC.
SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.

INSTALLER NOTES:

1. REFERENCE C-3 FOR FINAL EQUIPMENT SCHEDULE.
2. REFERENCE C-4 FOR NEW EQUIPMENT SPECIFICATIONS.
3. CONTRACTOR TO VERIFY ALL ANTENNA TIP HEIGHTS DO NOT EXCEED BEACON BASE HEIGHT.
4. 3'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE ANTENNAS ON SAME SECTOR.
4. 6'-0" MINIMUM DISTANCE REQUIRED BETWEEN 700BC & 700DE ANTENNAS ON SAME SECTOR.
5. 4'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE 700 ANTENNAS ON OPPOSING SECTORS.
6. ALL ANTENNA MEASUREMENT DISTANCES MUST BE EDGE TO EDGE (RELOCATE ANTENNAS AS NEEDED).
7. 8" MINIMUM DISTANCE REQUIRED BETWEEN ANTENNA & RADIO. SEE GENERIC EXAMPLE DETAIL ON SHEET C-4.

AT&T

575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE

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

AT&T SITE NUMBER: **10035058**

BU #: **806352**
BRG 302 943052

126 LEDGE ROAD
DARIEN, CT 06820

EXISTING 117'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/12/20	EA	PRELIMINARY	RO
B	05/21/20	EA	PRELIMINARY	RO
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DocuSigned by:
[signature]
6/26/2020 | 1:44:49 PM EDT

STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
23524
LICENSED

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101

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SHEET NUMBER:	REVISION:
C-2	0

FINAL EQUIPMENT SCHEDULE
(VERIFY WITH CURRENT RFDS)

POSITION	ANTENNA				RADIO			DIPLEXER			TMA		SURGE PROTECTION		CABLES			
	TECH.	STATUS/MANUFACTURER MODEL	AZIMUTH	RAD CENTER	QTY.	STATUS/MODEL	LOCATION	QTY.	STATUS	LOCATION	QTY.	STATUS	QTY.	STATUS/MODEL	QTY.	STATUS/TYPE	SIZE	LENGTH
ALPHA																		
A1	LTE	(N) CCI HPA65R-BU6A	75°	89'-0"	1	(N) RRUS E2 B29	TOWER	–	–	–	–	–	1	(E) DC6-48-60-18-8F	2 1	(E) #8AWG DC (E) FIBER	5/8" 3/8"	139'-0" 139'-0"
A2	LTE/5G	(E) QUINTEL QS66512-2	75°	89'-0"	1 1 1 1	(E) RRUS 32 B2 (E) 4426 B66 (E) 4478 B5 (E) 4478 B14	TOWER TOWER GROUND GROUND	2 2	(E) (E)	TOWER GROUND	–	–	–	–	2	(E) COAX	1-1/4"	139'-0"
A3	LTE	(E) CCI OPA-65R-LCUU-H6	75°	89'-0"	1 1	(E) RRUS 11 B12 (E) RRUS 32 B30	TOWER TOWER	–	–	–	–	–	–	–	–	–	–	–
A4	UMTS	(E) POWERWAVE 7770	142°	–	–	–	–	2	(E)	GROUND	2	(E)	–	–	2	(E) COAX	1-1/4"	139'-0"
BETA																		
B1	LTE	(N) CCI HPA65R-BU6A	195°	89'-0"	1	(N) RRUS E2 B29	TOWER	–	–	–	–	–	1	(E) DC6-48-60-18-8F	2 1	(E) #8AWG DC (E) FIBER	5/8" 3/8"	139'-0" 139'-0"
B2	LTE/5G	(E) QUINTEL QS66512-2	195°	89'-0"	1 1 1 1	(E) RRUS 32 B2 (E) 4426 B66 (E) 4478 B5 (E) 4478 B14	TOWER TOWER GROUND GROUND	2 2	(E) (E)	TOWER GROUND	–	–	–	–	2	(E) COAX	1-1/4"	139'-0"
B3	LTE	(E) CCI OPA-65R-LCUU-H6	195°	89'-0"	1 1	(E) RRUS 11 B12 (E) RRUS 32 B30	TOWER TOWER	–	–	–	–	–	–	–	–	–	–	–
B4	UMTS	(E) POWERWAVE 7770	262°	89'-0"	–	–	–	2	(E)	GROUND	2	(E)	–	–	2	(E) COAX	1-1/4"	139'-0"
GAMMA																		
C1	LTE	(N) CCI HPA65R-BU8A	315°	89'-0"	1	(N) RRUS E2 B29	TOWER	–	–	–	–	–	1	(N) DC6-48-60-0-8F	2	(N) #6AWG DC	7/8"	139'-0"
C2	LTE/5G	(E) CCI TPA-65R-LCUUUU-H8	315°	89'-0"	1 1 1 1	(E) RRUS 32 B2 (E) 4426 B66 (E) 4478 B5 (E) 4478 B14	TOWER TOWER GROUND GROUND	2 2	(E) (E)	TOWER GROUND	–	–	–	–	2	(E) COAX	1-1/4"	139'-0"
C3	LTE	(E) CCI OPA-65R-LCUU-H8	315°	89'-0"	1 1	(E) RRUS 11 B12 (E) RRUS 32 B30	TOWER TOWER	–	–	–	–	–	–	–	–	–	–	–
C4	UMTS	(E) POWERWAVE 7770	22°	89'-0"	–	–	–	2	(E)	GROUND	2	(E)	–	–	2	(E) COAX	1-1/4"	139'-0"

NOTE:
(E) – EXISTING
(N) – NEW

1 FINAL EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

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

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

AT&T SITE NUMBER: **10035058**

BU #: **806352**
BRG 302 943052

126 LEDGE ROAD
DARIEN, CT 06820

EXISTING 117'-0" MONOPOLE

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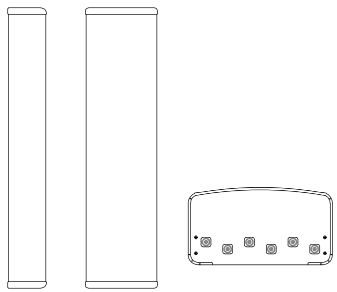
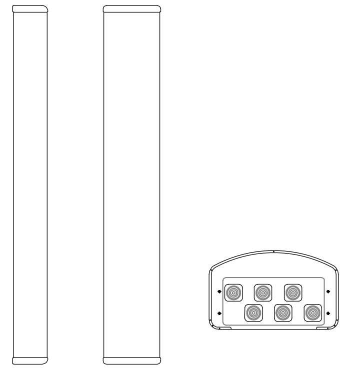
Certificate of Registration #PEC.0001101

SHEET NUMBER: C-3
REVISION: 0



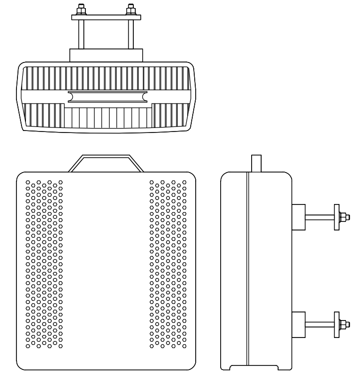
CCI ANTENNAS – HPA–65R–BU6A
WEIGHT (WITHOUT MOUNTING HARDWARE): 54.5 LBS
SIZE (HxWxD): 71.1x11.7x7.6 IN.
MOUNTING HARDWARE P/N: BSA–M03
RATED WIND VELOCITY: 150.0 MPH

1 CCI ANTENNAS – HPA–65R–BU6A
SCALE: NOT TO SCALE



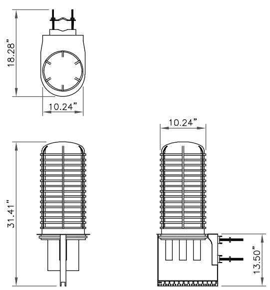
CCI ANTENNAS – HPA–65R–BU8A
WEIGHT (WITHOUT MOUNTING HARDWARE): 54.0 LBS
SIZE (HxWxD): 96.0x11.7x7.6 IN.
MOUNTING HARDWARE P/N: BSA–M03
RATED WIND VELOCITY: 150.0 MPH

2 CCI ANTENNAS – HPA–65R–BU8A
SCALE: NOT TO SCALE



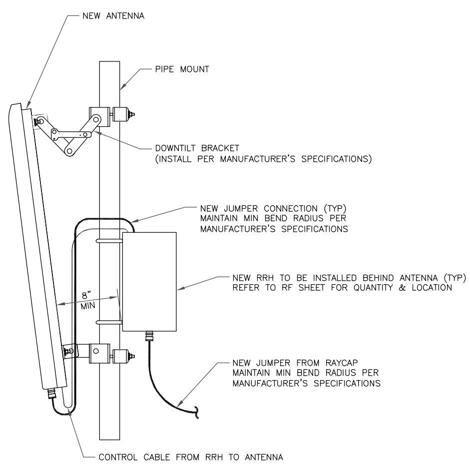
ERICSSON – RRUS E2 B29
WEIGHT (FULLY EQUIPPED): 52.9 LBS.
SIZE (HxWxD): 20.4x18.5x7.5 IN.

3 ERICSSON – RRUS E2 B29
SCALE: NOT TO SCALE



RAYCAP – DC6–48–60–0–8F
WEIGHT (WITHOUT MOUNTING HARDWARE): 16.0 LBS
SIZE (HxWxD): 31.4x10.24x18.28 IN.

4 RAYCAP – DC6–48–60–0–8F
SCALE: NOT TO SCALE



5 GENERIC ANTENNA MOUNTING ELEVATION
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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

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

AT&T SITE NUMBER: **10035058**

BU #: **806352**
BRG 302 943052

126 LEDGE ROAD
DARIEN, CT 06820

EXISTING 117'-0" MONOPOLE

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DocuSigned by:
0143415366B4...
STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
23524
LICENSED
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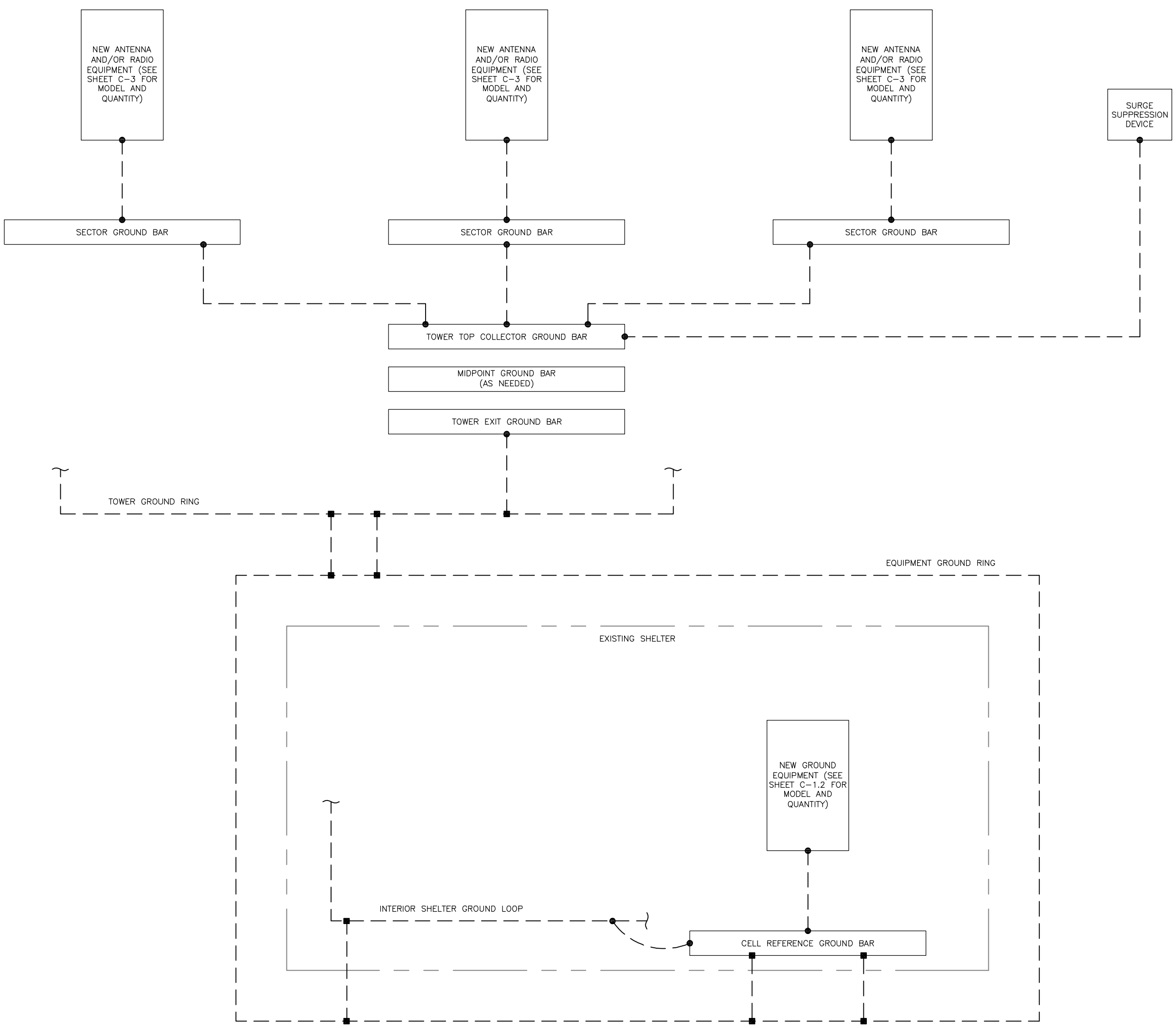
SHEET NUMBER: C-4
REVISION: 0



1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

GROUNDING PLAN LEGEND:

- --- GROUND WIRE
- ■ EXOTHERMIC WELD
- ● MECHANICAL CONNECTION
- COPPER GROUND ROD
- GROUND ROD W/ TEST WELL

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

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

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

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

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

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

AT&T SITE NUMBER: **10035058**

BU #: **806352**
BRG 302 943052

126 LEDGE ROAD
DARIEN, CT 06820

EXISTING 117'-0" MONOPOLE

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0	06/26/20	EA	CONSTRUCTION	MD

DocuSigned by:
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STATE OF CONNECTICUT
MARIBEL DENTINGER
23524
LICENSED
PROFESSIONAL ENGINEER

6/26/2020 | 2:44:49 PM EDT

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Certificate of Registration #PEC.0001101

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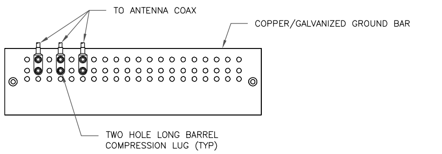
SHEET NUMBER: G-1

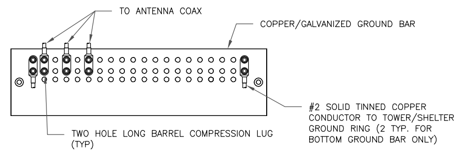
REVISION: 0



NOTES:

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

1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE

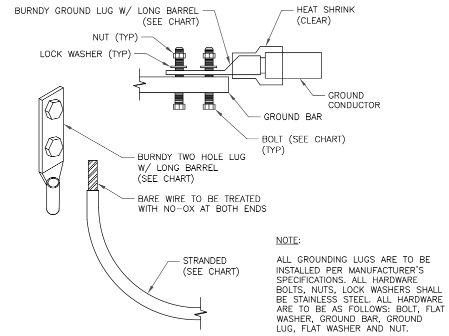


NOTES:

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

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

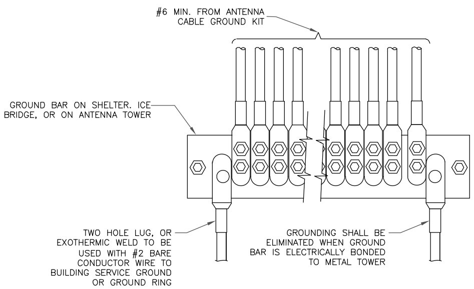
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C–2TC38	3/8" – 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C–2TC38	3/8" – 16 NC SS 2 BOLT
#2 STRANDED	YA2C–2TC38	3/8" – 16 NC SS 2 BOLT
#2/0 STRANDED	YA26–2TC38	3/8" – 16 NC SS 2 BOLT
#4/0 STRANDED	YA28–2N	1/2" – 16 NC SS 2 BOLT



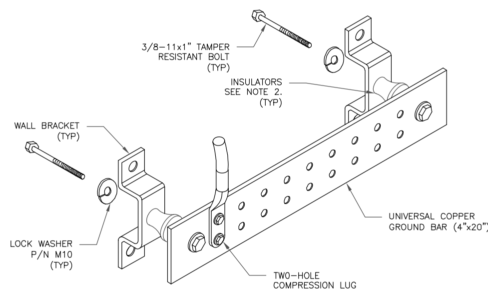
NOTE:

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

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE

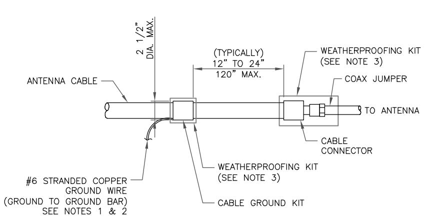


NOTES:

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

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

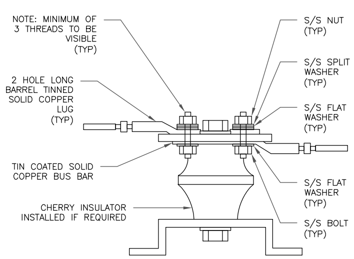
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



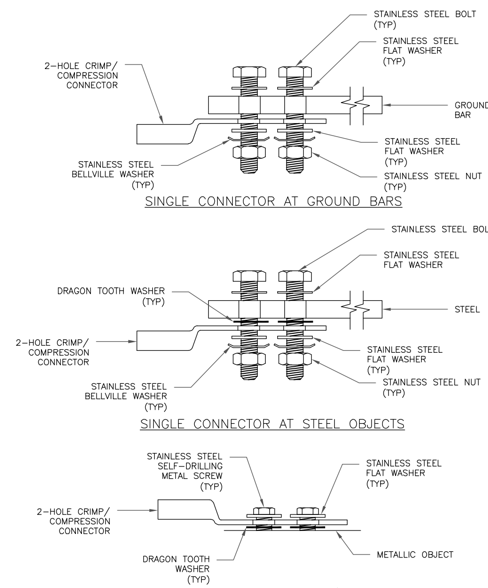
NOTES:

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

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE

AT&T

575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE

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

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BU #: **806352**
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STATE OF CONNECTICUT
23524
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SHEET NUMBER:	REVISION:
G-2	0

Diagram - Sector	A	Diagram File Name - 5GNR_FN_CT2104_LTE7C_A-B-C_R1.1.vsdx					
Atoll Site Name -	CT2104	Location Name -	DARIEN	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

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

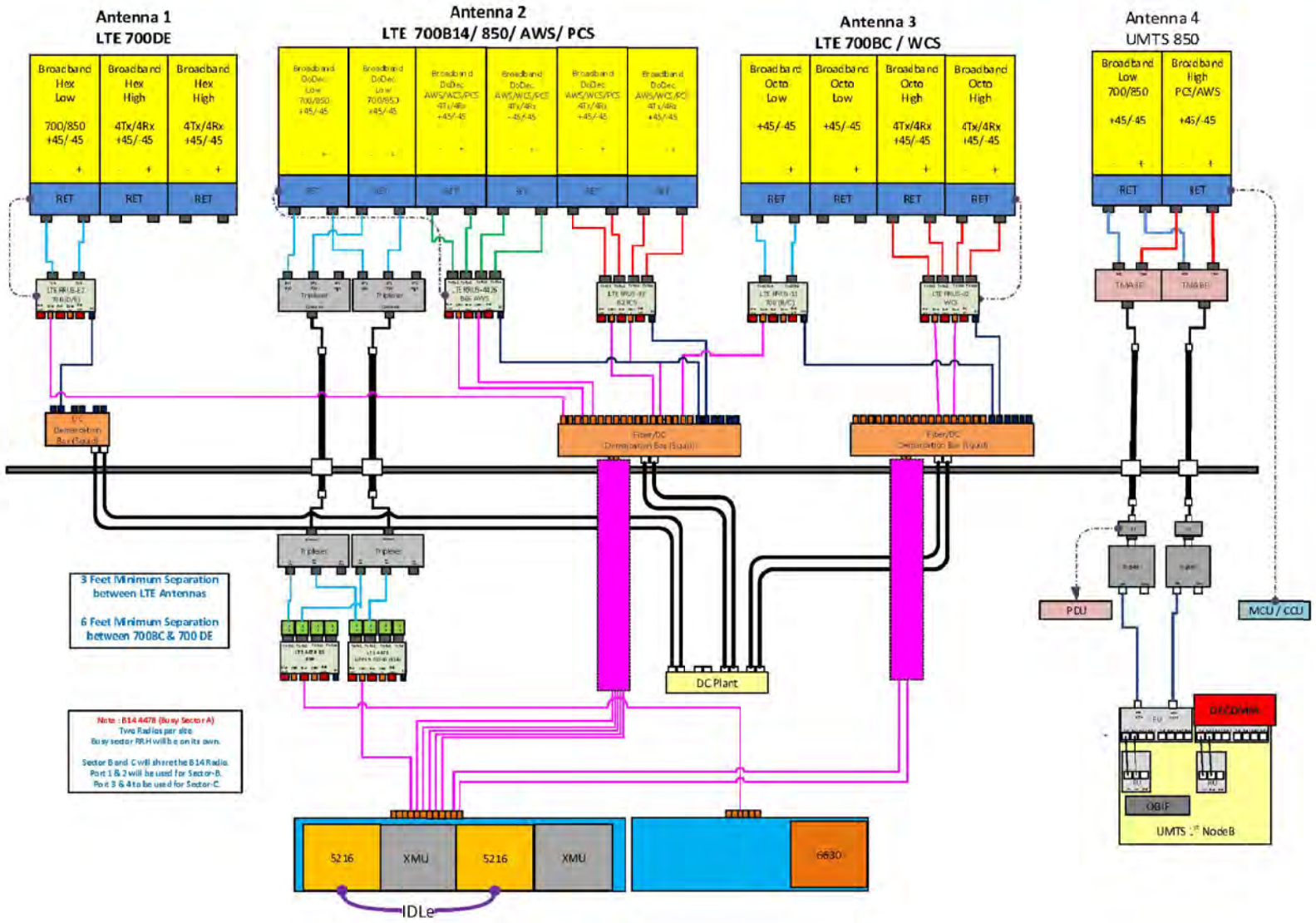
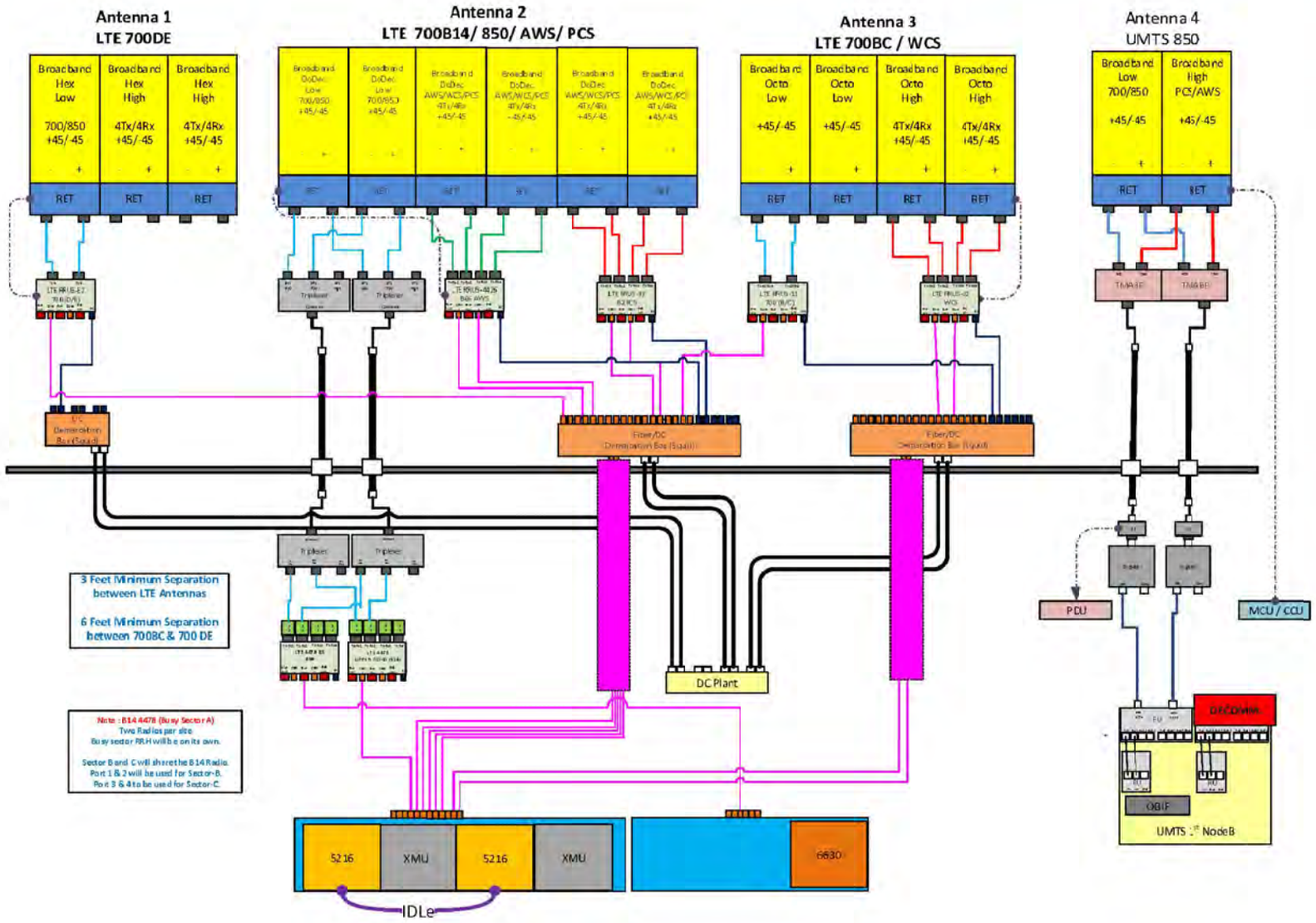


Diagram - Sector	B	Diagram File Name - 5GNR_FN_CT2104_LTE7C_A-B-C_R1.1.vsdx					
Atoll Site Name -	CT2104	Location Name -	DARIEN	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

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



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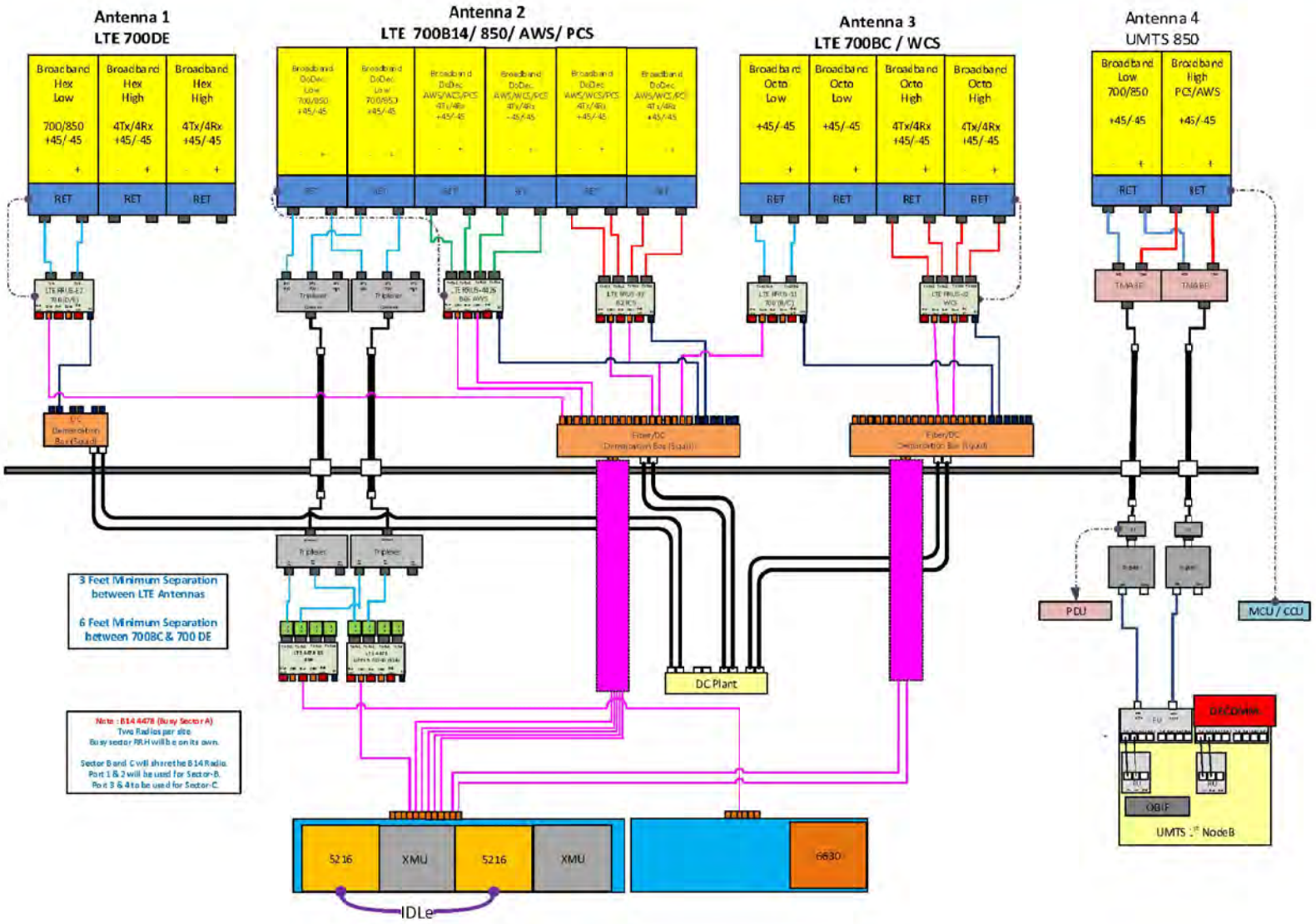
Atoll Site Name -	CT2104	Location Name -	DARIEN	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

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



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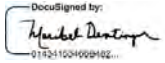
Maribel Dentinger Maribel.Dentinger@crowncastle.com Crown Castle International Corp. Security Level: Email, Account Authentication (None)	 Signature Adoption: Drawn on Device Using IP Address: 162.254.108.200	Sent: 6/26/2020 2:44:01 PM Viewed: 6/26/2020 2:44:40 PM Signed: 6/26/2020 2:44:49 PM

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To contact us by paper mail, send correspondence to
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2000 Corporate Drive
Canonsburg, PA 15317

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Exhibit D

Structural Analysis Report

PAUL J. FORD & COMPANY

Date: **May 12, 2020**

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

Paul J. Ford and Company
250 E. Broad St., Ste 600
Columbus, OH 43215
614-221-6679

Subject:	**Structural Analysis Report**	
Carrier Designation:	***AT&T Mobility* Co-Locate**	
	Carrier Site Number:	10035058
	Carrier Site Name:	DARIEN
Crown Castle Designation:	**Crown Castle BU Number:**	806352
	Crown Castle Site Name:	BRG 302 943052
	Crown Castle JDE Job Number:	605359
	Crown Castle Work Order Number:	1851244
	Crown Castle Order Number:	517060 Rev. 0
Engineering Firm Designation:	**Paul J. Ford and Company Project Number:**	37520-0829.001.7805
Site Data:	**126 Ledge Road, DARIEN, Fairfield County, CT** **Latitude *41° 4' 20.75"*, Longitude *-73° 28' 41.4"*** **117 Foot - Monopole Tower**	

Dear Amanda D Brown,

Paul J. Ford and Company is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

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

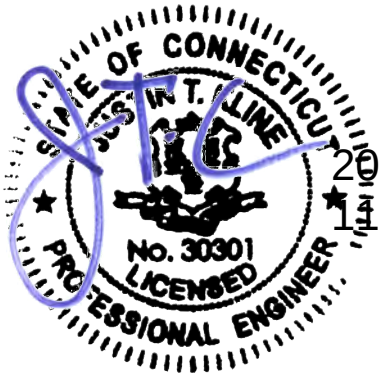
LC7: Proposed Equipment Configuration **Sufficient Capacity**

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2018 Connecticut State Building Code and Appendix N. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

Nathan C. Miller

Nathan C. Miller, E.I.
Structural Designer
nmiller@pauljford.com



2020.05.13
11:53:18-04'00'

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 117 ft Monopole tower designed by VALMONT in May of 1992.

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

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	120 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
89.0	89.0	2	cci antennas	HPA65R-BU6A	4 2 2 3 12	5/8 7/8 3/8 2" Conduit 1-1/4
		1	cci antennas	HPA65R-BU8A		
		2	cci antennas	OPA-65R-LCUU-H6		
		1	cci antennas	OPA-65R-LCUU-H8		
		1	cci antennas	TPA-65R-LCUUUU-H8		
		6	cci antennas	TPX-070821		
		3	ericsson	RRUS 11 B12		
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 32 B30		
		3	ericsson	RRUS 4426 B66		
		3	ericsson	RRUS E2 B29		
		3	powerwave technologies	7770.00		
		6	powerwave technologies	LGP21401		
		2	quintel technology	QS66512-2		
		1	raycap	DC6-48-60-18-8C-EV		
		2	raycap	DC6-48-60-18-8F		
		1	tower mounts	Platform Mount [LP 1301-1]		

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)
117.0	119.0	3	alcatel lucent	TD-RRH8X20-25	1 3	5/8 1-1/4
		9	rfs celwave	ACU-A20-N		
		3	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe		
		3	rfs celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
	117.0	1	tower mounts	T-Arm Mount [TA 702-3]		
115.0	115.0	3	alcatel lucent	800 EXTERNAL NOTCH FILTER	---	---
		3	alcatel lucent	800MHZ RRH		
		3	alcatel lucent	PCS 1900MHz 4x45W-65MHz		
		1	tower mounts	Side Arm Mount [SO 102-3]		
110.0	110.0	3	ericsson	AIR 32 B2A B66AA w/ Mount Pipe	13	1-5/8
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
		3	ericsson	RADIO 4449 B12/B71		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		1	tower mounts	T-Arm Mount [TA 602-3]		
100.0	104.0	1	gps	GPS_A	12 2	7/8 1-5/8
	101.0	3	alcatel lucent	B13 RRH 4X30		
		3	alcatel lucent	B25 RRH4X30		
		3	alcatel lucent	B4 RRH2X60-4R		
		6	andrew	HBXX-6516DS-A2M w/ Mount Pipe		
		6	decibel	DB844G65ZAXY w/ Mount Pipe		
		3	kathrein	800 10735V01 w/ Mount Pipe		
		2	raycap	RRFDC-3315-PF-48		
		6	rfs celwave	FD9R6004/2C-3L		
	100.0	1	tower mounts	Platform Mount [LP 715-1]		
93.0	95.0	1	andrew	VHLP1-23	4	7983A
	94.0	1	andrew	VHLP2-11		
		1	andrew	VHLP800-11		
	93.0	1	tower mounts	Pipe Mount [PM 601-3]		
	92.0	1	andrew	VHLP1-23		
84.0	84.0	3	kathrein	800 10504 w/ Mount Pipe	6	1-5/8
		1	tower mounts	Pipe Mount [PM 601-3]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	FDH, 1307951600, 09/26/2013	217769	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	FDH, 1308201500, 06/07/2013 (Mapping)	3907710	CCISITES
4-TOWER MANUFACTURER DRAWINGS	Valmont, 10844-92, 05/19/1992	217772	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	GPD, 2007178.68, 02/16/2007	1094732	CCISITES
4-POST-MODIFICATION INSPECTION	GPD, 2007278.24, 03/11/2008	2218625	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	TEP, 102000.39, 11/04/2010	2743848	CCISITES
4-POST-MODIFICATION INSPECTION	Sabre, 11-1114, 12/07/2010	2785508	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	TEP, 127875, 12/10/2012	4062469	CCISITES
4-POST-MODIFICATION INSPECTION	TEP, 131001.806352, 11/07/2013	4069331	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	TEP, 25562.12516, 12/20/2013	4115809	CCISITES
4-POST-MODIFICATION INSPECTION	TEP, 25562, 05/12/2014	5077215	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	PJF, 37515-1078.005.7700, 11/12/2015	5969651	CCISITES
4-POST-MODIFICATION INSPECTION	TEP, 131001.806352, 11/07/2013	6122311	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	PJF, 37516-0051, 02/01/2016	6083070	CCISITES
4-POST-MODIFICATION INSPECTION	TEP, 25562, 04/06/2016	6232380	CCISITES

3.1) Analysis Method

tnxTower (version 8.0.5.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

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

3.2) Assumptions

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

This analysis may be affected if any assumptions are not valid or have been made in error. Paul J. Ford and Company should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
117 - 112	Pole	TP15.489x14.36x0.1875	Pole	7.6%	Pass
112 - 110	Pole	TP15.94x15.489x0.1875	Pole	9.9%	Pass
110 - 105	Pole	TP17.07x15.94x0.1875	Pole	23.1%	Pass
105 - 100	Pole	TP18.2x17.07x0.1875	Pole	33.6%	Pass
100 - 95	Pole	TP19.322x18.2x0.25	Pole	38.0%	Pass
95 - 90	Pole	TP20.444x19.322x0.25	Pole	48.5%	Pass
90 - 85	Pole	TP21.566x20.444x0.25	Pole	62.8%	Pass
85 - 81.88	Pole	TP22.266x21.566x0.25	Pole	71.4%	Pass
81.88 - 81.63	Pole + Reinf.	TP22.323x22.266x0.35	Reinf. 9 Tension Rupture	66.2%	Pass
81.63 - 76.63	Pole + Reinf.	TP23.445x22.323x0.3563	Reinf. 9 Tension Rupture	77.4%	Pass
76.63 - 76.08	Pole + Reinf.	TP23.568x23.445x0.3563	Reinf. 9 Tension Rupture	78.6%	Pass
76.08 - 75.83	Pole + Reinf.	TP23.624x23.568x0.4625	Reinf. 12 Tension Rupture	71.9%	Pass
75.83 - 71	Pole + Reinf.	TP24.708x23.624x0.4563	Reinf. 12 Tension Rupture	80.9%	Pass
71 - 70.75	Pole + Reinf.	TP24.764x24.708x0.675	Reinf. 3 Compression	65.7%	Pass
70.75 - 68.08	Pole + Reinf.	TP25.363x24.764x0.6625	Reinf. 3 Compression	69.7%	Pass
68.08 - 67.83	Pole + Reinf.	TP25.42x25.363x0.7125	Reinf. 3 Compression	61.5%	Pass
67.83 - 63.5	Pole + Reinf.	TP26.391x25.42x0.6875	Reinf. 3 Compression	66.8%	Pass
63.5 - 63.25	Pole + Reinf.	TP26.447x26.391x0.9	Reinf. 3 Compression	53.1%	Pass
63.25 - 58.25	Pole + Reinf.	TP27.57x26.447x0.85	Reinf. 3 Compression	57.8%	Pass
58.25 - 53.25	Pole + Reinf.	TP28.692x27.57x0.825	Reinf. 3 Compression	62.3%	Pass
53.25 - 52	Pole + Reinf.	TP30x28.692x0.825	Reinf. 3 Compression	63.3%	Pass
52 - 46.42	Pole + Reinf.	TP29.741x28.472x0.8438	Reinf. 5 Tension Rupture	67.2%	Pass
46.42 - 41.42	Pole + Reinf.	TP30.879x29.741x0.8188	Reinf. 5 Tension Rupture	70.6%	Pass
41.42 - 38.08	Pole + Reinf.	TP31.638x30.879x0.8063	Reinf. 5 Tension Rupture	72.7%	Pass
38.08 - 37.83	Pole + Reinf.	TP31.695x31.638x0.7563	Reinf. 5 Tension Rupture	77.7%	Pass
37.83 - 35	Pole + Reinf.	TP32.339x31.695x0.7438	Reinf. 5 Tension Rupture	79.5%	Pass
35 - 34.75	Pole + Reinf.	TP32.396x32.339x0.8438	Reinf. 6 Tension Rupture	67.4%	Pass
34.75 - 29.75	Pole + Reinf.	TP33.533x32.396x0.8313	Reinf. 6 Tension Rupture	70.0%	Pass
29.75 - 24.75	Pole + Reinf.	TP34.67x33.533x0.8063	Reinf. 6 Tension Rupture	72.4%	Pass
24.75 - 19.75	Pole + Reinf.	TP35.808x34.67x0.7938	Reinf. 6 Tension Rupture	74.7%	Pass
19.75 - 14.75	Pole + Reinf.	TP36.945x35.808x0.7688	Reinf. 6 Tension Rupture	76.7%	Pass
14.75 - 12.5	Pole + Reinf.	TP37.457x36.945x0.7688	Reinf. 6 Tension Rupture	77.6%	Pass
12.5 - 12.25	Pole + Reinf.	TP37.514x37.457x0.7688	Reinf. 4 Tension Rupture	78.6%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
12.25 - 11	Pole + Reinf.	TP37.798x37.514x0.7688	Reinf. 4 Tension Rupture	79.0%	Pass
11 - 10.75	Pole + Reinf.	TP37.855x37.798x0.9688	Reinf. 4 Tension Rupture	63.2%	Pass
10.75 - 5.75	Pole + Reinf.	TP38.992x37.855x0.9438	Reinf. 4 Tension Rupture	64.9%	Pass
5.75 - 2.5	Pole + Reinf.	TP39.731x38.992x0.9438	Reinf. 4 Tension Rupture	65.9%	Pass
2.5 - 2.25	Pole + Reinf.	TP39.788x39.731x0.9688	Reinf. 4 Tension Rupture	61.8%	Pass
2.25 - 0	Pole + Reinf.	TP40.3x39.788x0.9688	Reinf. 4 Tension Rupture	62.5%	Pass
				Summary	
			Pole	71.4%	Pass
			Reinforcement	80.9%	Pass
			Overall	80.9%	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Flange Bolts	110	9.6	Pass
1	Flange Plate	110	6.3	Pass
1	Flange Bolts	100	29.9	Pass
1	Flange Plate	100	22.4	Pass
1	Anchor Rods	0	52.8	Pass
1	Base Plate	0	38.5	Pass
1	Base Foundation Structural Steel	0	71.8	Pass
1	Base Foundation Soil Interaction	0	47.7	Pass

Structure Rating (max from all components) =	80.9%

Notes:

- All structural ratings are per TIA-222-H Section 15.5

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

4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.0000	12	0.1875		14.3600	15.4886	A572-65	0.2
2	2.0000	12	0.1875		15.4886	15.9400		0.1
3	5.0000	12	0.1875		15.9400	17.0700		0.2
4	5.0000	12	0.1875		17.0700	18.2000		0.2
5	5.0000	12	0.2500		18.2000	19.3221		0.3
6	5.0000	12	0.2500		19.3221	20.4442		0.3
7	5.0000	12	0.2500		20.4442	21.5663		0.3
8	[illegible]	12	[illegible]		21.5663	[illegible]		0.2
9	[illegible]	12	[illegible]		[illegible]	[illegible]		0.0
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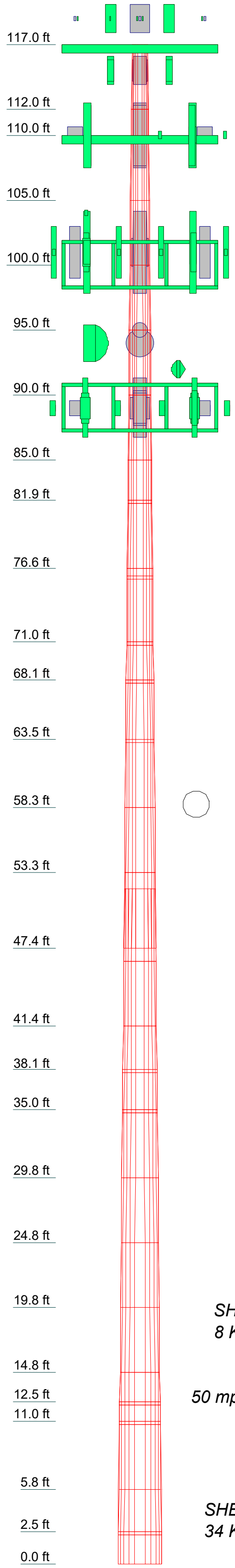
21	[illegible]	12	0.8250	4.5800	28.6916	30.0000		1.4
22	[illegible]	12	0.8438		[illegible]	[illegible]		1.4
23	5.0000	12	0.8187		[illegible]	30.8787		1.2
24	[illegible]	12	[illegible]		[illegible]	[illegible]		0.8
25	[illegible]	12	[illegible]		[illegible]	[illegible]		0.1
26	[illegible]	12	[illegible]		[illegible]	[illegible]		0.7
27	[illegible]	12	[illegible]		[illegible]	[illegible]		0.1
28	5.0000	12	[illegible]		[illegible]	33.5331		1.4
29	5.0000	12	0.8063		33.5331	34.6704		1.4
30	5.0000	12	0.7937		34.6704	35.8077		1.4
31	5.0000	12	0.7688		35.8077	36.9450		1.4
32	[illegible]	12	[illegible]		[illegible]	[illegible]		0.7
33	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
34	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
35	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
36	5.0000	12	0.9437		[illegible]	[illegible]		1.8
37	[illegible]	12	0.9437		[illegible]	[illegible]		1.2
38	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
39	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
								22.9



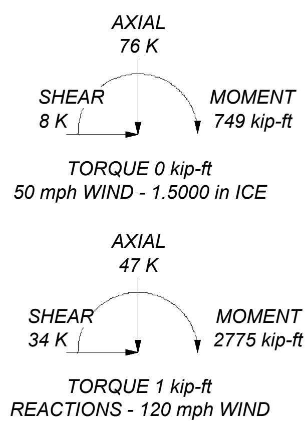
MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.0000 ft
8. TIA-222-H Annex S

ALL REACTIONS ARE FACTORED



PJFLogo

Paul J. Ford and Company
250 E. Broad St., Ste 600
Columbus, OH 43215
Phone: 614-221-6679
FAX:

Job: **117' Monopole | BRG 302 943052**			
Project: **PJF 37520-0829 | BU 806352**			
Client: Crown Castle	Drawn by: Nathan Miller	App'd:	
Code: TIA-222-H	Date: 05/13/20	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

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

1) Tower is located in Fairfield County, Connecticut.
2) Tower base elevation above sea level: 42.2500 ft.
3) Basic wind speed of 120 mph.
4) Risk Category II.
5) Exposure Category C.
6) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
7) Topographic Category: 1.
8) Crest Height: 0.0000 ft.
9) Nominal ice thickness of 1.5000 in.
10) Ice thickness is considered to increase with height.
11) Ice density of 56.00 pcf.
12) A wind speed of 50 mph is used in combination with ice.
13) Temperature drop of 50 °F.
14) Deflections calculated using a wind speed of 60 mph.
15) TIA-222-H Annex S.
16) A non-linear (P-delta) analysis was used.
17) Pressures are calculated at each section.
18) Stress ratio used in pole design is 1.05.
19) Tower analysis based on target reliabilities in accordance with Annex S.
20) Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
21) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	*Elevation 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	117.0000-112.0000	5.0000	0.00	12	14.3600	15.4886	0.1875	0.7500	A572-65 (65 ksi)
L2	112.0000-110.0000	2.0000	0.00	12	15.4886	15.9400	0.1875	0.7500	A572-65 (65 ksi)
L3	110.0000-105.0000	5.0000	0.00	12	15.9400	17.0700	0.1875	0.7500	A572-65 (65 ksi)
L4	105.0000-100.0000	5.0000	0.00	12	17.0700	18.2000	0.1875	0.7500	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L5	100.0000-95.0000	5.0000	0.00	12	18.2000	19.3221	0.2500	1.0000	A572-65 (65 ksi)
L6	95.0000-90.0000	5.0000	0.00	12	19.3221	20.4442	0.2500	1.0000	A572-65 (65 ksi)
L7	90.0000-85.0000	5.0000	0.00	12	20.4442	21.5663	0.2500	1.0000	A572-65 (65 ksi)
L8	85.0000-81.8800	3.1200	0.00	12	21.5663	22.2665	0.2500	1.0000	A572-65 (65 ksi)
L9	81.8800-81.6300	0.2500	0.00	12	22.2665	22.3226	0.3500	1.4000	A572-65 (65 ksi)
L10	81.6300-76.6300	5.0000	0.00	12	22.3226	23.4447	0.3563	1.4250	A572-65 (65 ksi)
L11	76.6300-76.0800	0.5500	0.00	12	23.4447	23.5681	0.3563	1.4250	A572-65 (65 ksi)
L12	76.0800-75.8300	0.2500	0.00	12	23.5681	23.6242	0.4625	1.8500	A572-65 (65 ksi)
L13	75.8300-71.0000	4.8300	0.00	12	23.6242	24.7082	0.4562	1.8250	A572-65 (65 ksi)
L14	71.0000-70.7500	0.2500	0.00	12	24.7082	24.7643	0.6750	2.7000	A572-65 (65 ksi)
L15	70.7500-68.0800	2.6700	0.00	12	24.7643	25.3635	0.6625	2.6500	A572-65 (65 ksi)
L16	68.0800-67.8300	0.2500	0.00	12	25.3635	25.4196	0.7125	2.8500	A572-65 (65 ksi)
L17	67.8300-63.5000	4.3300	0.00	12	25.4196	26.3913	0.6875	2.7500	A572-65 (65 ksi)
L18	63.5000-63.2500	0.2500	0.00	12	26.3913	26.4474	0.9000	3.6000	A572-65 (65 ksi)
L19	63.2500-58.2500	5.0000	0.00	12	26.4474	27.5695	0.8500	3.4000	A572-65 (65 ksi)
L20	58.2500-53.2500	5.0000	0.00	12	27.5695	28.6916	0.8250	3.3000	A572-65 (65 ksi)
L21	53.2500-47.4200	5.8300	4.58	12	28.6916	30.0000	0.8250	3.3000	A572-65 (65 ksi)
L22	47.4200-46.4200	5.5800	0.00	12	28.4722	29.7414	0.8438	3.3750	A572-65 (65 ksi)
L23	46.4200-41.4200	5.0000	0.00	12	29.7414	30.8787	0.8187	3.2750	A572-65 (65 ksi)
L24	41.4200-38.0800	3.3400	0.00	12	30.8787	31.6384	0.8063	3.2250	A572-65 (65 ksi)
L25	38.0800-37.8300	0.2500	0.00	12	31.6384	31.6952	0.7562	3.0250	A572-65 (65 ksi)
L26	37.8300-35.0000	2.8300	0.00	12	31.6952	32.3390	0.7438	2.9750	A572-65 (65 ksi)
L27	35.0000-34.7500	0.2500	0.00	12	32.3390	32.3958	0.8438	3.3750	A572-65 (65 ksi)
L28	34.7500-29.7500	5.0000	0.00	12	32.3958	33.5331	0.8313	3.3250	A572-65 (65 ksi)
L29	29.7500-24.7500	5.0000	0.00	12	33.5331	34.6704	0.8063	3.2250	A572-65 (65 ksi)
L30	24.7500-19.7500	5.0000	0.00	12	34.6704	35.8077	0.7937	3.1750	A572-65 (65 ksi)
L31	19.7500-14.7500	5.0000	0.00	12	35.8077	36.9450	0.7688	3.0750	A572-65 (65 ksi)
L32	14.7500-12.5000	2.2500	0.00	12	36.9450	37.4568	0.7688	3.0750	A572-65 (65 ksi)
L33	12.5000-12.2500	0.2500	0.00	12	37.4568	37.5136	0.7688	3.0750	A572-65 (65 ksi)
L34	12.2500-11.0000	1.2500	0.00	12	37.5136	37.7980	0.7688	3.0750	A572-65 (65 ksi)
L35	11.0000-10.7500	0.2500	0.00	12	37.7980	37.8548	0.9688	3.8750	A572-65 (65 ksi)
L36	10.7500-5.7500	5.0000	0.00	12	37.8548	38.9921	0.9437	3.7750	A572-65 (65 ksi)
L37	5.7500-2.5000	3.2500	0.00	12	38.9921	39.7314	0.9437	3.7750	A572-65 (65 ksi)
L38	2.5000-2.2500	0.2500	0.00	12	39.7314	39.7882	0.9688	3.8750	A572-65 (65 ksi)
L39	2.2500-0.0000	2.2500		12	39.7882	40.3000	0.9688	3.8750	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
									(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	14.8004	8.5566	219.3727	5.0738	7.4385	29.4916	444.5085	4.2113	3.3460	17.845
	15.9688	9.2380	276.0632	5.4778	8.0231	34.4086	559.3790	4.5467	3.6484	19.458
L2	15.9688	9.2380	276.0632	5.4778	8.0231	34.4086	559.3790	4.5467	3.6484	19.458
	16.4362	9.5106	301.2254	5.6394	8.2569	36.4816	610.3643	4.6808	3.7694	20.104
L3	16.4362	9.5106	301.2254	5.6394	8.2569	36.4816	610.3643	4.6808	3.7694	20.104
	17.6060	10.1928	370.8116	6.0439	8.8423	41.9363	751.3649	5.0166	4.0723	21.719
L4	17.6060	10.1928	370.8116	6.0439	8.8423	41.9363	751.3649	5.0166	4.0723	21.719
	18.7759	10.8750	450.3655	6.4485	9.4276	47.7710	912.5625	5.3524	4.3751	23.334
L5	18.7538	14.4498	594.2582	6.4261	9.4276	63.0339	1204.1282	7.1117	4.2076	16.83
	19.9155	15.3530	712.8159	6.8278	10.0088	71.2186	1444.3583	7.5563	4.5083	18.033
L6	19.9155	15.3530	712.8159	6.8278	10.0088	71.2186	1444.3583	7.5563	4.5083	18.033
	21.0772	16.2563	846.1780	7.2295	10.5901	79.9028	1714.5860	8.0009	4.8090	19.236
L7	21.0772	16.2563	846.1780	7.2295	10.5901	79.9028	1714.5860	8.0009	4.8090	19.236
	22.2389	17.1596	995.2158	7.6312	11.1713	89.0865	2016.5769	8.4454	5.1098	20.439
L8	22.2389	17.1596	995.2158	7.6312	11.1713	89.0865	2016.5769	8.4454	5.1098	20.439
	22.9638	17.7233	1096.5439	7.8819	11.5340	95.0702	2221.8952	8.7229	5.2974	21.19
L9	22.9285	24.6999	1514.3380	7.8461	11.5340	131.2929	3068.4593	12.1565	5.0294	14.37
	22.9866	24.7631	1525.9976	7.8662	11.5631	131.9713	3092.0849	12.1877	5.0445	14.413
L10	22.9844	25.1981	1551.9225	7.8640	11.5631	134.2133	3144.6158	12.4018	5.0277	14.113
	24.1461	26.4853	1802.1075	8.2657	12.1444	148.3906	3651.5583	13.0353	5.3284	14.957
L11	24.1461	26.4853	1802.1075	8.2657	12.1444	148.3906	3651.5583	13.0353	5.3284	14.957
	24.2738	26.6269	1831.1645	8.3099	12.2083	149.9935	3710.4358	13.1050	5.3615	15.05
L12	24.2364	34.4101	2344.8049	8.2718	12.2083	192.0666	4751.2105	16.9356	5.0768	10.977
	24.2945	34.4936	2361.9274	8.2919	12.2374	193.0097	4785.9052	16.9767	5.0918	11.009
L13	24.2967	34.0367	2331.8962	8.2941	12.2374	190.5556	4725.0538	16.7518	5.1085	11.197
	25.4188	35.6291	2674.7519	8.6822	12.7988	208.9840	5419.7726	17.5356	5.3990	11.834
L14	25.3417	52.2361	3851.0504	8.6039	12.7988	300.8907	7803.2722	25.7090	4.8128	7.13
	25.3998	52.3581	3878.0840	8.6240	12.8279	302.3164	7858.0497	25.7690	4.8278	7.152
L15	25.4042	51.4151	3812.1960	8.6284	12.8279	297.1801	7724.5426	25.3050	4.8613	7.338
	26.0245	52.6934	4103.6515	8.8430	13.1383	312.3430	8315.1104	25.9341	5.0219	7.58
L16	26.0069	56.5555	4386.6145	8.8251	13.1383	333.8803	8888.4703	27.8349	4.8879	6.86
	26.0650	56.6842	4416.6342	8.8451	13.1673	335.4232	8949.2983	27.8983	4.9029	6.881
L17	26.0738	54.7507	4274.6142	8.8541	13.1673	324.6375	8661.5273	26.9466	4.9699	7.229
	27.0798	56.9018	4798.5264	9.2020	13.6707	351.0079	9723.1155	28.0054	5.2304	7.608
L18	27.0048	73.8739	6127.1945	9.1259	13.6707	448.1988	12415.3571	36.3585	4.6609	5.179
	27.0629	74.0365	6167.7404	9.1460	13.6998	450.2076	12497.5142	36.4385	4.6759	5.195
L19	27.0805	70.0602	5859.3568	9.1639	13.6998	427.6975	11872.6453	34.4815	4.8099	5.659
	28.2422	73.1314	6664.1887	9.5656	14.2810	466.6466	13503.4532	35.9930	5.1106	6.013
L20	28.2511	71.0468	6486.3560	9.5745	14.2810	454.1942	13143.1157	34.9671	5.1776	6.276
	29.4127	74.0277	7337.5186	9.9763	14.8623	493.7012	14867.8021	36.4342	5.4784	6.64
L21	29.4127	74.0277	7337.5186	9.9763	14.8623	493.7012	14867.8021	36.4342	5.4784	6.64
	30.7673	77.5034	8420.3155	10.4446	15.5400	541.8478	17061.8421	38.1448	5.8290	7.065
L22	30.2574	75.0629	7313.4643	9.8910	14.7486	495.8759	14819.0614	36.9437	5.3693	6.364
	30.4929	78.5112	8368.3929	10.3453	15.4060	543.1894	16956.6327	38.6408	5.7094	6.767
L23	30.5017	76.2509	8141.5343	10.3543	15.4060	528.4641	16496.9557	37.5284	5.7764	7.055
	31.6791	79.2492	9140.2171	10.7615	15.9952	571.4368	18520.5578	39.0041	6.0812	7.427
L24	31.6835	78.0718	9011.9048	10.7659	15.9952	563.4148	18260.5625	38.4245	6.1147	7.584
	32.4700	80.0441	9712.3001	11.0379	16.3887	592.6225	19679.753	39.3953	6.3183	7.837

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
L25	32.4877	75.2018	9154.3794	11.0558	16.3887	558.5794	18549.2541	37.0121	6.4523	8.532
	32.5466	75.3403	9205.0420	11.0762	16.4181	560.6630	18651.9107	37.0802	6.4676	8.552
L26	32.5510	74.1250	9063.8696	11.0806	16.4181	552.0645	18365.8572	36.4821	6.5011	8.741
	33.2174	75.6666	9641.2248	11.3111	16.7516	575.5413	19535.7353	37.2408	6.6736	8.973
L27	33.1821	85.5685	10833.9993	11.2753	16.7516	646.7450	21952.6198	42.1142	6.4056	7.592
	33.2410	85.7230	10892.7870	11.2956	16.7810	649.1130	22071.7397	42.1903	6.4208	7.61
L28	33.2454	84.4865	10744.1719	11.3001	16.7810	640.2569	21770.6051	41.5817	6.4543	7.765
	34.4228	87.5306	11947.8787	11.7073	17.3702	687.8397	24209.6415	43.0799	6.7591	8.131
L29	34.4316	84.9630	11615.1421	11.7162	17.3702	668.6840	23535.4268	41.8162	6.8261	8.467
	35.6090	87.9156	12868.6255	12.1234	17.9593	716.5451	26075.3242	43.2694	7.1309	8.845
L30	35.6134	86.5845	12683.1465	12.1278	17.9593	706.2173	25699.4934	42.6143	7.1644	9.026
	36.7908	89.4913	14003.8890	12.5350	18.5484	754.9923	28375.6757	44.0449	7.4692	9.41
L31	36.7997	86.7345	13591.8940	12.5439	18.5484	732.7804	27540.8621	42.6881	7.5362	9.803
	37.9771	89.5498	14958.8126	12.9511	19.1375	781.6491	30310.6098	44.0737	7.8410	10.2
L32	37.9771	89.5498	14958.8126	12.9511	19.1375	781.6491	30310.6098	44.0737	7.8410	10.2
	38.5069	90.8166	15602.6980	13.1343	19.4026	804.1548	31615.2962	44.6972	7.9782	10.378
L33	38.5069	90.8166	15602.6980	13.1343	19.4026	804.1548	31615.2962	44.6972	7.9782	10.378
	38.5658	90.9574	15675.3612	13.1547	19.4321	806.6751	31762.5316	44.7664	7.9934	10.398
L34	38.5658	90.9574	15675.3612	13.1547	19.4321	806.6751	31762.5316	44.7664	7.9934	10.398
	38.8601	91.6612	16042.0605	13.2565	19.5793	819.3361	32505.5638	45.1128	8.0696	10.497
L35	38.7896	114.8841	19889.8087	13.1849	19.5793	1015.8569	40302.1448	56.5425	7.5336	7.777
	38.8485	115.0615	19982.0817	13.2052	19.6088	1019.0366	40489.1150	56.6298	7.5488	7.792
L36	38.8573	112.1681	19506.0228	13.2142	19.6088	994.7588	39524.4905	55.2057	7.6158	8.07
	40.0347	115.6242	21365.1878	13.6213	20.1979	1057.7918	43291.6630	56.9067	7.9206	8.393
L37	40.0347	115.6242	21365.1878	13.6213	20.1979	1057.7918	43291.6630	56.9067	7.9206	8.393
	40.8000	117.8707	22634.8513	13.8860	20.5808	1099.8020	45864.3453	58.0124	8.1188	8.603
L38	40.7912	120.9151	23189.5527	13.8770	20.5808	1126.7544	46988.3207	59.5107	8.0518	8.311
	40.8501	121.0925	23291.7583	13.8974	20.6103	1130.1030	47195.4171	59.5980	8.0670	8.327
L39	40.8501	121.0925	23291.7583	13.8974	20.6103	1130.1030	47195.4171	59.5980	8.0670	8.327
	41.3799	122.6889	24225.1673	14.0806	20.8754	1160.4648	49086.7567	60.3838	8.2042	8.469

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 117.0000-112.0000				1	1	1			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L2 112.0000-110.0000				1	1	1			
L3 110.0000-105.0000				1	1	1			
L4 105.0000-100.0000				1	1	1			
L5 100.0000-95.0000				1	1	1			
L6 95.0000-90.0000				1	1	1			
L7 90.0000-85.0000				1	1	1			
L8 85.0000-81.8800				1	1	1			
L9 81.8800-81.6300				1	1	1.26348			
L10 81.6300-76.6300				1	1	1.21543			
L11 76.6300-76.0800				1	1	1.2127			
L12 76.0800-75.8300				1	1	1.19873			
L13 75.8300-71.0000				1	1	1.18502			
L14 71.0000-70.7500				1	1	1.06546			
L15 70.7500-68.0800				1	1	1.06784			
L16 68.0800-67.8300				1	1	0.913952			
L17 67.8300-63.5000				1	1	0.924204			
L18 63.5000-63.2500				1	1	0.893525			
L19 63.2500-58.2500				1	1	0.916935			
L20 58.2500-53.2500				1	1	0.918035			
L21 53.2500-47.4200				1	1	0.911906			
L22 47.4200-46.4200				1	1	0.931046			
L23 46.4200-41.4200				1	1	0.93826			
L24 41.4200-38.0800				1	1	0.939449			
L25 38.0800-37.8300				1	1	0.939123			
L26 37.8300-35.0000				1	1	0.94449			
L27 35.0000-34.7500				1	1	0.939563			
L28 34.7500-29.7500				1	1	0.934541			
L29 29.7500-24.7500				1	1	0.944768			
L30 24.7500-19.7500				1	1	0.9422			
L31 19.7500-14.7500				1	1	0.955642			
L32 14.7500-12.5000				1	1	0.948549			
L33 12.5000-12.2500				1	1	0.970481			
L34 12.2500-11.0000				1	1	0.966463			
L35 11.0000-				1	1	0.917329			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
10.7500									
L36 10.7500-5.7500				1	1	0.923752			
L37 5.7500-2.5000				1	1	0.913088			
L38 2.5000-2.2500				1	1	0.923428			
L39 2.2500-0.0000				1	1	0.916029			

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
HCS 6X12 4AWG(1-5/8)	B	No	Surface Ar (CaAa)	110.0000 - 0.0000	4	4	0.083 0.242	1.6600		2.40
***										
7983A(ELLIPTICAL)	A	No	Surface Ar (CaAa)	93.0000 - 0.0000	4	4	-0.332 -0.220	0.5730		0.08
***										
AVA7-50(1-5/8)	A	No	Surface Ar (CaAa)	84.0000 - 0.0000	6	3	-0.450 -0.334	2.0100		0.70
**********										
**********										
MS-600 Reinforcement	B	No	Surface Af (CaAa)	35.0000 - 0.0000	1	1	-0.370 -0.370	0.1000	2.2000	0.00
MS-600 Reinforcement	A	No	Surface Af (CaAa)	35.0000 - 0.0000	1	1	-0.370 -0.370	0.1000	2.2000	0.00
MS-600 Reinforcement	C	No	Surface Af (CaAa)	35.0000 - 0.0000	1	1	-0.370 -0.370	0.1000	2.2000	0.00
MS-450 Reinforcement	B	No	Surface Af (CaAa)	65.0000 - 35.0000	1	1	-0.370 -0.370	0.1000	2.2000	0.00
MS-450 Reinforcement	A	No	Surface Af (CaAa)	65.0000 - 35.0000	1	1	-0.370 -0.370	0.1000	2.2000	0.00
MS-450 Reinforcement	C	No	Surface Af (CaAa)	65.0000 - 35.0000	1	1	-0.370 -0.370	0.1000	2.2000	0.00
MS-450 Reinforcement	B	No	Surface Af (CaAa)	70.0000 - 50.0000	1	1	-0.120 -0.120	0.1000	2.2000	0.00
MS-450 Reinforcement	A	No	Surface Af (CaAa)	70.0000 - 50.0000	1	1	-0.120 -0.120	0.1000	2.2000	0.00
MS-450 Reinforcement	C	No	Surface Af (CaAa)	70.0000 - 50.0000	1	1	-0.120 -0.120	0.1000	2.2000	0.00
**********										
**********										
CCI-045100 Reinforcement	A	No	Surface Af (CaAa)	35.0000 - 0.0000	1	1	0.380 0.380	0.1000	2.2000	0.00
CCI-045100 Reinforcement	C	No	Surface Af (CaAa)	35.0000 - 0.0000	1	1	0.380 0.380	0.1000	2.2000	0.00
CCI-045100 Reinforcement	B	No	Surface Af (CaAa)	35.0000 - 0.0000	1	1	0.380 0.380	0.1000	2.2000	0.00
CCI-040075 Reinforcement	A	No	Surface Af (CaAa)	50.0000 - 35.0000	1	1	0.380 0.380	0.1000	1.7000	0.00
CCI-040075 Reinforcement	C	No	Surface Af (CaAa)	50.0000 - 35.0000	1	1	0.380 0.380	0.1000	1.7000	0.00
CCI-040075 Reinforcement	B	No	Surface Af (CaAa)	50.0000 - 35.0000	1	1	0.380 0.380	0.1000	1.7000	0.00
**********										
**********										
CCI-045100 Reinforcement	A	No	Surface Af (CaAa)	35.5000 - 10.5000	1	1	0.130 0.130	0.1000	2.2000	0.00
CCI-045100 Reinforcement	C	No	Surface Af (CaAa)	35.5000 - 0.0000	1	1	0.130 0.130	0.1000	2.2000	0.00
CCI-045100 Reinforcement	B	No	Surface Af (CaAa)	35.5000 - 0.0000	1	1	0.130 0.130	0.1000	2.2000	0.00

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
CCI-060100 Reinforcement	A	No	Surface Af (CaAa)	70.1800 - 35.5000	1	1	0.130 0.130	0.1000	2.2000	0.00
CCI-060100 Reinforcement	A	No	Surface Af (CaAa)	70.5000 - 70.1800	1	1	0.130 0.130	0.1000	2.2000	0.00
CCI-060100 Reinforcement	C	No	Surface Af (CaAa)	70.1800 - 35.5000	1	1	0.130 0.130	0.1000	2.2000	0.00
CCI-060100 Reinforcement	C	No	Surface Af (CaAa)	70.5000 - 70.1800	1	1	0.130 0.130	0.1000	2.2000	0.00
CCI-060100 Reinforcement	B	No	Surface Af (CaAa)	70.1800 - 35.5000	1	1	0.130 0.130	0.1000	2.2000	0.00
CCI-060100 Reinforcement	B	No	Surface Af (CaAa)	70.5000 - 70.1800	1	1	0.130 0.130	0.1000	2.2000	0.00
CCI-045100 Reinforcement	B	No	Surface Af (CaAa)	85.3300 - 65.3300	1	1	-0.370 -0.370	0.1000	2.2000	0.00
CCI-045100 Reinforcement	C	No	Surface Af (CaAa)	85.6700 - 70.6700	1	1	0.130 0.130	0.1000	2.2000	0.00
CCI-045100 Reinforcement	B	No	Surface Af (CaAa)	85.6700 - 70.6700	1	1	0.130 0.130	0.1000	2.2000	0.00
**********										
CCI-040075 Reinforcement	A	No	Surface Af (CaAa)	77.1000 - 67.1000	1	1	0.380 0.380	0.1000	1.7000	0.00
CCI-040075 Reinforcement	C	No	Surface Af (CaAa)	77.1000 - 67.1000	1	1	0.380 0.380	0.1000	1.7000	0.00
CCI-040075 Reinforcement	B	No	Surface Af (CaAa)	77.1000 - 67.1000	1	1	0.380 0.380	0.1000	1.7000	0.00

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
LDF6-50A(1-1/4)	C	No	No	Inside Pole	117.0000 - 0.0000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.60 0.60 0.60 0.60
HB058-1-08U1-S2F(5/8)	C	No	No	Inside Pole	117.0000 - 0.0000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.40 0.40 0.40 0.40
***									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	110.0000 - 0.0000	9	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.82 0.82 0.82 0.82
***									
LDF5-50A(7/8)	C	No	No	Inside Pole	100.0000 - 0.0000	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.33 0.33 0.33 0.33
HB158-1-08U8-S8J18(1-5/8)	C	No	No	Inside Pole	100.0000 - 0.0000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	1.30 1.30 1.30 1.30
***									
LDF6-50A(1-1/4)	C	No	No	Inside Pole	89.0000 - 0.0000	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.60 0.60 0.60 0.60
FB-L98-002-XXX(3/8)	C	No	No	Inside Pole	89.0000 - 0.0000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.06 0.06 0.06 0.06
WR-VG82ST-BRDA(5/8)	C	No	No	Inside Pole	89.0000 - 0.0000	4	No Ice 1/2" Ice	0.0000 0.0000	0.31 0.31

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
							1" Ice	0.0000	0.31
							2" Ice	0.0000	0.31
WR-VG66ST-BRD_CCIV2(7/8)	C	No	No	Inside Pole	89.0000 - 0.0000	2	No Ice	0.0000	0.88
							1/2" Ice	0.0000	0.88
							1" Ice	0.0000	0.88
							2" Ice	0.0000	0.88
2" (Nominal) Conduit	C	No	No	Inside Pole	89.0000 - 0.0000	3	No Ice	0.0000	0.72
							1/2" Ice	0.0000	0.72
							1" Ice	0.0000	0.72
							2" Ice	0.0000	0.72

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	117.0000-112.0000	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	0.000	0.000	0.01
L2	112.0000-110.0000	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	0.000	0.000	0.00
L3	110.0000-105.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	3.320	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.05
L4	105.0000-100.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	3.320	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.05
L5	100.0000-95.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	3.320	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.08
L6	95.0000-90.0000	A	0.000	0.000	0.688	0.000	0.00
		B	0.000	0.000	3.320	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.08
L7	90.0000-85.0000	A	0.000	0.000	1.146	0.000	0.00
		B	0.000	0.000	3.337	0.000	0.05
		C	0.000	0.000	0.011	0.000	0.13
L8	85.0000-81.8800	A	0.000	0.000	1.993	0.000	0.01
		B	0.000	0.000	2.176	0.000	0.03
		C	0.000	0.000	0.052	0.000	0.09
L9	81.8800-81.6300	A	0.000	0.000	0.208	0.000	0.00
		B	0.000	0.000	0.174	0.000	0.00
		C	0.000	0.000	0.004	0.000	0.01
L10	81.6300-76.6300	A	0.000	0.000	4.169	0.000	0.02
		B	0.000	0.000	3.494	0.000	0.05
		C	0.000	0.000	0.091	0.000	0.14
L11	76.6300-76.0800	A	0.000	0.000	0.467	0.000	0.00
		B	0.000	0.000	0.393	0.000	0.01
		C	0.000	0.000	0.018	0.000	0.02
L12	76.0800-75.8300	A	0.000	0.000	0.212	0.000	0.00
		B	0.000	0.000	0.178	0.000	0.00
		C	0.000	0.000	0.008	0.000	0.01
L13	75.8300-71.0000	A	0.000	0.000	4.100	0.000	0.02
		B	0.000	0.000	3.449	0.000	0.05
		C	0.000	0.000	0.161	0.000	0.14
L14	71.0000-70.7500	A	0.000	0.000	0.212	0.000	0.00
		B	0.000	0.000	0.178	0.000	0.00
		C	0.000	0.000	0.008	0.000	0.01
L15	70.7500-68.0800	A	0.000	0.000	2.337	0.000	0.01
		B	0.000	0.000	1.934	0.000	0.03
		C	0.000	0.000	0.116	0.000	0.08
L16	68.0800-67.8300	A	0.000	0.000	0.221	0.000	0.00
		B	0.000	0.000	0.183	0.000	0.00
		C	0.000	0.000	0.013	0.000	0.01
L17	67.8300-63.5000	A	0.000	0.000	3.785	0.000	0.02
		B	0.000	0.000	3.098	0.000	0.04

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	0.181	0.000	0.12
L18	63.5000-63.2500	A	0.000	0.000	0.221	0.000	0.00
		B	0.000	0.000	0.178	0.000	0.00
		C	0.000	0.000	0.013	0.000	0.01
L19	63.2500-58.2500	A	0.000	0.000	4.411	0.000	0.02
		B	0.000	0.000	3.570	0.000	0.05
		C	0.000	0.000	0.250	0.000	0.14
L20	58.2500-53.2500	A	0.000	0.000	4.411	0.000	0.02
		B	0.000	0.000	3.570	0.000	0.05
		C	0.000	0.000	0.250	0.000	0.14
L21	53.2500-47.4200	A	0.000	0.000	5.143	0.000	0.03
		B	0.000	0.000	4.163	0.000	0.06
		C	0.000	0.000	0.291	0.000	0.17
L22	47.4200-46.4200	A	0.000	0.000	0.882	0.000	0.00
		B	0.000	0.000	0.714	0.000	0.01
		C	0.000	0.000	0.050	0.000	0.03
L23	46.4200-41.4200	A	0.000	0.000	4.411	0.000	0.02
		B	0.000	0.000	3.570	0.000	0.05
		C	0.000	0.000	0.250	0.000	0.14
L24	41.4200-38.0800	A	0.000	0.000	2.947	0.000	0.02
		B	0.000	0.000	2.385	0.000	0.03
		C	0.000	0.000	0.167	0.000	0.10
L25	38.0800-37.8300	A	0.000	0.000	0.221	0.000	0.00
		B	0.000	0.000	0.178	0.000	0.00
		C	0.000	0.000	0.013	0.000	0.01
L26	37.8300-35.0000	A	0.000	0.000	2.497	0.000	0.01
		B	0.000	0.000	2.021	0.000	0.03
		C	0.000	0.000	0.141	0.000	0.08
L27	35.0000-34.7500	A	0.000	0.000	0.221	0.000	0.00
		B	0.000	0.000	0.178	0.000	0.00
		C	0.000	0.000	0.013	0.000	0.01
L28	34.7500-29.7500	A	0.000	0.000	4.411	0.000	0.02
		B	0.000	0.000	3.570	0.000	0.05
		C	0.000	0.000	0.250	0.000	0.14
L29	29.7500-24.7500	A	0.000	0.000	4.411	0.000	0.02
		B	0.000	0.000	3.570	0.000	0.05
		C	0.000	0.000	0.250	0.000	0.14
L30	24.7500-19.7500	A	0.000	0.000	4.411	0.000	0.02
		B	0.000	0.000	3.570	0.000	0.05
		C	0.000	0.000	0.250	0.000	0.14
L31	19.7500-14.7500	A	0.000	0.000	4.411	0.000	0.02
		B	0.000	0.000	3.570	0.000	0.05
		C	0.000	0.000	0.250	0.000	0.14
L32	14.7500-12.5000	A	0.000	0.000	1.985	0.000	0.01
		B	0.000	0.000	1.607	0.000	0.02
		C	0.000	0.000	0.113	0.000	0.06
L33	12.5000-12.2500	A	0.000	0.000	0.221	0.000	0.00
		B	0.000	0.000	0.178	0.000	0.00
		C	0.000	0.000	0.013	0.000	0.01
L34	12.2500-11.0000	A	0.000	0.000	1.103	0.000	0.01
		B	0.000	0.000	0.892	0.000	0.01
		C	0.000	0.000	0.063	0.000	0.04
L35	11.0000-10.7500	A	0.000	0.000	0.221	0.000	0.00
		B	0.000	0.000	0.178	0.000	0.00
		C	0.000	0.000	0.013	0.000	0.01
L36	10.7500-5.7500	A	0.000	0.000	4.332	0.000	0.02
		B	0.000	0.000	3.570	0.000	0.05
		C	0.000	0.000	0.250	0.000	0.14
L37	5.7500-2.5000	A	0.000	0.000	2.813	0.000	0.01
		B	0.000	0.000	2.321	0.000	0.03
		C	0.000	0.000	0.163	0.000	0.09
L38	2.5000-2.2500	A	0.000	0.000	0.216	0.000	0.00
		B	0.000	0.000	0.178	0.000	0.00
		C	0.000	0.000	0.013	0.000	0.01
L39	2.2500-0.0000	A	0.000	0.000	1.947	0.000	0.01
		B	0.000	0.000	1.607	0.000	0.02
		C	0.000	0.000	0.113	0.000	0.06

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	117.0000-112.0000	A	1.444	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	0.000	0.000	0.01
L2	112.0000-110.0000	A	1.439	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	0.000	0.000	0.00
L3	110.0000-105.0000	A	1.435	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	5.943	0.000	0.11
		C		0.000	0.000	0.000	0.000	0.05
L4	105.0000-100.0000	A	1.428	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	5.935	0.000	0.11
		C		0.000	0.000	0.000	0.000	0.05
L5	100.0000-95.0000	A	1.421	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	5.926	0.000	0.11
		C		0.000	0.000	0.000	0.000	0.08
L6	95.0000-90.0000	A	1.413	0.000	0.000	1.920	0.000	0.02
		B		0.000	0.000	5.917	0.000	0.11
		C		0.000	0.000	0.000	0.000	0.08
L7	90.0000-85.0000	A	1.406	0.000	0.000	3.189	0.000	0.03
		B		0.000	0.000	6.205	0.000	0.11
		C		0.000	0.000	0.200	0.000	0.13
L8	85.0000-81.8800	A	1.399	0.000	0.000	4.324	0.000	0.06
		B		0.000	0.000	5.531	0.000	0.09
		C		0.000	0.000	0.925	0.000	0.10
L9	81.8800-81.6300	A	1.396	0.000	0.000	0.435	0.000	0.01
		B		0.000	0.000	0.443	0.000	0.01
		C		0.000	0.000	0.074	0.000	0.01
L10	81.6300-76.6300	A	1.391	0.000	0.000	8.819	0.000	0.12
		B		0.000	0.000	8.978	0.000	0.15
		C		0.000	0.000	1.613	0.000	0.17
L11	76.6300-76.0800	A	1.387	0.000	0.000	1.115	0.000	0.02
		B		0.000	0.000	1.132	0.000	0.02
		C		0.000	0.000	0.323	0.000	0.02
L12	76.0800-75.8300	A	1.386	0.000	0.000	0.507	0.000	0.01
		B		0.000	0.000	0.514	0.000	0.01
		C		0.000	0.000	0.147	0.000	0.01
L13	75.8300-71.0000	A	1.381	0.000	0.000	9.774	0.000	0.13
		B		0.000	0.000	9.921	0.000	0.16
		C		0.000	0.000	2.829	0.000	0.18
L14	71.0000-70.7500	A	1.376	0.000	0.000	0.505	0.000	0.01
		B		0.000	0.000	0.512	0.000	0.01
		C		0.000	0.000	0.146	0.000	0.01
L15	70.7500-68.0800	A	1.373	0.000	0.000	6.615	0.000	0.09
		B		0.000	0.000	5.938	0.000	0.09
		C		0.000	0.000	2.027	0.000	0.10
L16	68.0800-67.8300	A	1.371	0.000	0.000	0.649	0.000	0.01
		B		0.000	0.000	0.584	0.000	0.01
		C		0.000	0.000	0.218	0.000	0.01
L17	67.8300-63.5000	A	1.366	0.000	0.000	10.617	0.000	0.14
		B		0.000	0.000	8.953	0.000	0.14
		C		0.000	0.000	3.156	0.000	0.17
L18	63.5000-63.2500	A	1.361	0.000	0.000	0.647	0.000	0.01
		B		0.000	0.000	0.509	0.000	0.01
		C		0.000	0.000	0.217	0.000	0.01
L19	63.2500-58.2500	A	1.355	0.000	0.000	12.905	0.000	0.17
		B		0.000	0.000	10.160	0.000	0.16
		C		0.000	0.000	4.316	0.000	0.20
L20	58.2500-53.2500	A	1.344	0.000	0.000	12.841	0.000	0.17
		B		0.000	0.000	10.110	0.000	0.16
		C		0.000	0.000	4.281	0.000	0.20
L21	53.2500-47.4200	A	1.330	0.000	0.000	14.885	0.000	0.20
		B		0.000	0.000	11.721	0.000	0.18
		C		0.000	0.000	4.944	0.000	0.23
L22	47.4200-46.4200	A	1.321	0.000	0.000	2.553	0.000	0.03
		B		0.000	0.000	2.010	0.000	0.03
		C		0.000	0.000	0.848	0.000	0.04

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L23	46.4200-41.4200	A	1.312	0.000	0.000	12.667	0.000	0.17
		B		0.000	0.000	9.976	0.000	0.15
		C		0.000	0.000	4.186	0.000	0.20
L24	41.4200-38.0800	A	1.299	0.000	0.000	8.414	0.000	0.11
		B		0.000	0.000	6.627	0.000	0.10
		C		0.000	0.000	2.770	0.000	0.13
L25	38.0800-37.8300	A	1.293	0.000	0.000	0.628	0.000	0.01
		B		0.000	0.000	0.495	0.000	0.01
		C		0.000	0.000	0.206	0.000	0.01
L26	37.8300-35.0000	A	1.288	0.000	0.000	7.094	0.000	0.09
		B		0.000	0.000	5.588	0.000	0.09
		C		0.000	0.000	2.328	0.000	0.11
L27	35.0000-34.7500	A	1.282	0.000	0.000	0.625	0.000	0.01
		B		0.000	0.000	0.492	0.000	0.01
		C		0.000	0.000	0.205	0.000	0.01
L28	34.7500-29.7500	A	1.272	0.000	0.000	12.447	0.000	0.16
		B		0.000	0.000	9.806	0.000	0.15
		C		0.000	0.000	4.066	0.000	0.20
L29	29.7500-24.7500	A	1.251	0.000	0.000	12.330	0.000	0.16
		B		0.000	0.000	9.716	0.000	0.15
		C		0.000	0.000	4.002	0.000	0.19
L30	24.7500-19.7500	A	1.226	0.000	0.000	12.192	0.000	0.16
		B		0.000	0.000	9.609	0.000	0.15
		C		0.000	0.000	3.927	0.000	0.19
L31	19.7500-14.7500	A	1.195	0.000	0.000	12.023	0.000	0.15
		B		0.000	0.000	9.478	0.000	0.14
		C		0.000	0.000	3.834	0.000	0.19
L32	14.7500-12.5000	A	1.167	0.000	0.000	5.341	0.000	0.07
		B		0.000	0.000	4.212	0.000	0.06
		C		0.000	0.000	1.688	0.000	0.08
L33	12.5000-12.2500	A	1.156	0.000	0.000	0.590	0.000	0.01
		B		0.000	0.000	0.466	0.000	0.01
		C		0.000	0.000	0.186	0.000	0.01
L34	12.2500-11.0000	A	1.149	0.000	0.000	2.942	0.000	0.04
		B		0.000	0.000	2.320	0.000	0.03
		C		0.000	0.000	0.924	0.000	0.05
L35	11.0000-10.7500	A	1.141	0.000	0.000	0.586	0.000	0.01
		B		0.000	0.000	0.462	0.000	0.01
		C		0.000	0.000	0.184	0.000	0.01
L36	10.7500-5.7500	A	1.110	0.000	0.000	10.422	0.000	0.13
		B		0.000	0.000	9.117	0.000	0.13
		C		0.000	0.000	3.579	0.000	0.18
L37	5.7500-2.5000	A	1.035	0.000	0.000	6.518	0.000	0.08
		B		0.000	0.000	5.721	0.000	0.08
		C		0.000	0.000	2.182	0.000	0.12
L38	2.5000-2.2500	A	0.980	0.000	0.000	0.489	0.000	0.01
		B		0.000	0.000	0.428	0.000	0.01
		C		0.000	0.000	0.159	0.000	0.01
L39	2.2500-0.0000	A	0.909	0.000	0.000	4.257	0.000	0.05
		B		0.000	0.000	3.719	0.000	0.05
		C		0.000	0.000	1.340	0.000	0.08

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	117.0000-112.0000	0.0000	0.0000	0.0000	0.0000
L2	112.0000-110.0000	0.0000	0.0000	0.0000	0.0000
L3	110.0000-105.0000	2.9482	-0.5451	2.8356	-0.5243
L4	105.0000-100.0000	2.9937	-0.5536	2.9202	-0.5400
L5	100.0000-95.0000	3.0377	-0.5617	3.0008	-0.5549
L6	95.0000-90.0000	2.3156	-0.5043	1.8175	-0.4453

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L7	90.0000-85.0000	1.8648	-0.4624	1.2036	-0.3578
L8	85.0000-81.8800	0.0116	0.0638	-0.3297	-0.0238
L9	81.8800-81.6300	-0.6146	0.2524	-0.8631	0.1468
L10	81.6300-76.6300	-0.6157	0.2530	-0.8657	0.1467
L11	76.6300-76.0800	-0.6106	0.2510	-0.7993	0.1350
L12	76.0800-75.8300	-0.6115	0.2514	-0.8013	0.1353
L13	75.8300-71.0000	-0.6131	0.2522	-0.8117	0.1367
L14	71.0000-70.7500	-0.6160	0.2535	-0.8227	0.1382
L15	70.7500-68.0800	-0.6360	0.2066	-0.9546	-0.2047
L16	68.0800-67.8300	-0.6352	0.2046	-0.9345	-0.2094
L17	67.8300-63.5000	-0.6321	0.2323	-0.9270	-0.0268
L18	63.5000-63.2500	-0.6200	0.2672	-0.8196	0.2348
L19	63.2500-58.2500	-0.6214	0.2680	-0.8293	0.2376
L20	58.2500-53.2500	-0.6242	0.2695	-0.8475	0.2429
L21	53.2500-47.4200	-0.6273	0.2712	-0.8666	0.2484
L22	47.4200-46.4200	-0.6280	0.2716	-0.8712	0.2497
L23	46.4200-41.4200	-0.6295	0.2724	-0.8805	0.2529
L24	41.4200-38.0800	-0.6316	0.2735	-0.8942	0.2570
L25	38.0800-37.8300	-0.6323	0.2739	-0.8997	0.2588
L26	37.8300-35.0000	-0.6330	0.2743	-0.9045	0.2603
L27	35.0000-34.7500	-0.6342	0.2749	-0.9096	0.2619
L28	34.7500-29.7500	-0.6354	0.2756	-0.9174	0.2644
L29	29.7500-24.7500	-0.6376	0.2768	-0.9316	0.2691
L30	24.7500-19.7500	-0.6398	0.2780	-0.9447	0.2738
L31	19.7500-14.7500	-0.6418	0.2791	-0.9562	0.2784
L32	14.7500-12.5000	-0.6470	0.2815	-0.9633	0.2817
L33	12.5000-12.2500	-0.6490	0.2824	-0.9654	0.2828
L34	12.2500-11.0000	-0.6502	0.2830	-0.9666	0.2835
L35	11.0000-10.7500	-0.6519	0.2838	-0.9683	0.2844
L36	10.7500-5.7500	-0.6285	0.3373	-0.7646	0.6861
L37	5.7500-2.5000	-0.6332	0.3437	-0.7580	0.7003
L38	2.5000-2.2500	-0.6358	0.3453	-0.7584	0.6914
L39	2.2500-0.0000	-0.6376	0.3464	-0.7565	0.6769

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
L3	6	HCS 6X12 4AWG(1-5/8)	105.00 - 110.00	1.0000	1.0000
L4	6	HCS 6X12 4AWG(1-5/8)	100.00 - 105.00	1.0000	1.0000
L5	6	HCS 6X12 4AWG(1-5/8)	95.00 - 100.00	1.0000	1.0000
L6	6	HCS 6X12 4AWG(1-5/8)	90.00 - 95.00	1.0000	1.0000
L6	12	7983A(ELLIPTICAL)	90.00 - 93.00	1.0000	1.0000
L7	6	HCS 6X12 4AWG(1-5/8)	85.00 - 90.00	1.0000	1.0000
L7	12	7983A(ELLIPTICAL)	85.00 - 90.00	1.0000	1.0000
L7	48	CCI-045100 Reinforcement	85.00 - 85.33	1.0000	1.0000
L7	49	CCI-045100 Reinforcement	85.00 - 85.67	1.0000	1.0000
L7	50	CCI-045100 Reinforcement	85.00 - 85.67	1.0000	1.0000
L8	6	HCS 6X12 4AWG(1-5/8)	81.88 - 85.00	1.0000	1.0000
L8	12	7983A(ELLIPTICAL)	81.88 - 85.00	1.0000	1.0000
L8	20	AVA7-50(1-5/8)	81.88 - 84.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L8	48	CCI-045100 Reinforcement	81.88 - 85.00	1.0000	1.0000
L8	49	CCI-045100 Reinforcement	81.88 - 85.00	1.0000	1.0000
L8	50	CCI-045100 Reinforcement	81.88 - 85.00	1.0000	1.0000
L9	6	HCS 6X12 4AWG(1-5/8)	81.63 - 81.88	1.0000	1.0000
L9	12	7983A(ELLIPTICAL)	81.63 - 81.88	1.0000	1.0000
L9	20	AVA7-50(1-5/8)	81.63 - 81.88	1.0000	1.0000
L9	48	CCI-045100 Reinforcement	81.63 - 81.88	1.0000	1.0000
L9	49	CCI-045100 Reinforcement	81.63 - 81.88	1.0000	1.0000
L9	50	CCI-045100 Reinforcement	81.63 - 81.88	1.0000	1.0000
L10	6	HCS 6X12 4AWG(1-5/8)	76.63 - 81.63	1.0000	1.0000
L10	12	7983A(ELLIPTICAL)	76.63 - 81.63	1.0000	1.0000
L10	20	AVA7-50(1-5/8)	76.63 - 81.63	1.0000	1.0000
L10	48	CCI-045100 Reinforcement	76.63 - 81.63	1.0000	1.0000
L10	49	CCI-045100 Reinforcement	76.63 - 81.63	1.0000	1.0000
L10	50	CCI-045100 Reinforcement	76.63 - 81.63	1.0000	1.0000
L10	52	CCI-040075 Reinforcement	76.63 - 77.10	1.0000	1.0000
L10	53	CCI-040075 Reinforcement	76.63 - 77.10	1.0000	1.0000
L10	54	CCI-040075 Reinforcement	76.63 - 77.10	1.0000	1.0000
L11	6	HCS 6X12 4AWG(1-5/8)	76.08 - 76.63	1.0000	1.0000
L11	12	7983A(ELLIPTICAL)	76.08 - 76.63	1.0000	1.0000
L11	20	AVA7-50(1-5/8)	76.08 - 76.63	1.0000	1.0000
L11	48	CCI-045100 Reinforcement	76.08 - 76.63	1.0000	1.0000
L11	49	CCI-045100 Reinforcement	76.08 - 76.63	1.0000	1.0000
L11	50	CCI-045100 Reinforcement	76.08 - 76.63	1.0000	1.0000
L11	52	CCI-040075 Reinforcement	76.08 - 76.63	1.0000	1.0000
L11	53	CCI-040075 Reinforcement	76.08 - 76.63	1.0000	1.0000
L11	54	CCI-040075 Reinforcement	76.08 - 76.63	1.0000	1.0000
L12	6	HCS 6X12 4AWG(1-5/8)	75.83 - 76.08	1.0000	1.0000
L12	12	7983A(ELLIPTICAL)	75.83 - 76.08	1.0000	1.0000
L12	20	AVA7-50(1-5/8)	75.83 - 76.08	1.0000	1.0000
L12	48	CCI-045100 Reinforcement	75.83 - 76.08	1.0000	1.0000
L12	49	CCI-045100 Reinforcement	75.83 - 76.08	1.0000	1.0000
L12	50	CCI-045100 Reinforcement	75.83 - 76.08	1.0000	1.0000
L12	52	CCI-040075 Reinforcement	75.83 - 76.08	1.0000	1.0000
L12	53	CCI-040075	75.83 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		Reinforcement	76.08		
L12	54	CCI-040075 Reinforcement	75.83 - 76.08	1.0000	1.0000
L13	6	HCS 6X12 4AWG(1-5/8)	71.00 - 75.83	1.0000	1.0000
L13	12	7983A(ELLIPTICAL)	71.00 - 75.83	1.0000	1.0000
L13	20	AVA7-50(1-5/8)	71.00 - 75.83	1.0000	1.0000
L13	48	CCI-045100 Reinforcement	71.00 - 75.83	1.0000	1.0000
L13	49	CCI-045100 Reinforcement	71.00 - 75.83	1.0000	1.0000
L13	50	CCI-045100 Reinforcement	71.00 - 75.83	1.0000	1.0000
L13	52	CCI-040075 Reinforcement	71.00 - 75.83	1.0000	1.0000
L13	53	CCI-040075 Reinforcement	71.00 - 75.83	1.0000	1.0000
L13	54	CCI-040075 Reinforcement	71.00 - 75.83	1.0000	1.0000
L14	6	HCS 6X12 4AWG(1-5/8)	70.75 - 71.00	1.0000	1.0000
L14	12	7983A(ELLIPTICAL)	70.75 - 71.00	1.0000	1.0000
L14	20	AVA7-50(1-5/8)	70.75 - 71.00	1.0000	1.0000
L14	48	CCI-045100 Reinforcement	70.75 - 71.00	1.0000	1.0000
L14	49	CCI-045100 Reinforcement	70.75 - 71.00	1.0000	1.0000
L14	50	CCI-045100 Reinforcement	70.75 - 71.00	1.0000	1.0000
L14	52	CCI-040075 Reinforcement	70.75 - 71.00	1.0000	1.0000
L14	53	CCI-040075 Reinforcement	70.75 - 71.00	1.0000	1.0000
L14	54	CCI-040075 Reinforcement	70.75 - 71.00	1.0000	1.0000
L15	6	HCS 6X12 4AWG(1-5/8)	68.08 - 70.75	1.0000	1.0000
L15	12	7983A(ELLIPTICAL)	68.08 - 70.75	1.0000	1.0000
L15	20	AVA7-50(1-5/8)	68.08 - 70.75	1.0000	1.0000
L15	28	MS-450 Reinforcement	68.08 - 70.00	1.0000	1.0000
L15	29	MS-450 Reinforcement	68.08 - 70.00	1.0000	1.0000
L15	30	MS-450 Reinforcement	68.08 - 70.00	1.0000	1.0000
L15	42	CCI-060100 Reinforcement	68.08 - 70.18	1.0000	1.0000
L15	43	CCI-060100 Reinforcement	70.18 - 70.50	1.0000	1.0000
L15	44	CCI-060100 Reinforcement	68.08 - 70.18	1.0000	1.0000
L15	45	CCI-060100 Reinforcement	70.18 - 70.50	1.0000	1.0000
L15	46	CCI-060100 Reinforcement	68.08 - 70.18	1.0000	1.0000
L15	47	CCI-060100 Reinforcement	70.18 - 70.50	1.0000	1.0000
L15	48	CCI-045100 Reinforcement	68.08 - 70.75	1.0000	1.0000
L15	49	CCI-045100 Reinforcement	70.67 - 70.75	1.0000	1.0000
L15	50	CCI-045100 Reinforcement	70.67 - 70.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L15	52	CCI-040075 Reinforcement	68.08 - 70.75	1.0000	1.0000
L15	53	CCI-040075 Reinforcement	68.08 - 70.75	1.0000	1.0000
L15	54	CCI-040075 Reinforcement	68.08 - 70.75	1.0000	1.0000
L16	6	HCS 6X12 4AWG(1-5/8)	67.83 - 68.08	1.0000	1.0000
L16	12	7983A(ELLIPTICAL)	67.83 - 68.08	1.0000	1.0000
L16	20	AVA7-50(1-5/8)	67.83 - 68.08	1.0000	1.0000
L16	28	MS-450 Reinforcement	67.83 - 68.08	1.0000	1.0000
L16	29	MS-450 Reinforcement	67.83 - 68.08	1.0000	1.0000
L16	30	MS-450 Reinforcement	67.83 - 68.08	1.0000	1.0000
L16	42	CCI-060100 Reinforcement	67.83 - 68.08	1.0000	1.0000
L16	44	CCI-060100 Reinforcement	67.83 - 68.08	1.0000	1.0000
L16	46	CCI-060100 Reinforcement	67.83 - 68.08	1.0000	1.0000
L16	48	CCI-045100 Reinforcement	67.83 - 68.08	1.0000	1.0000
L16	52	CCI-040075 Reinforcement	67.83 - 68.08	1.0000	1.0000
L16	53	CCI-040075 Reinforcement	67.83 - 68.08	1.0000	1.0000
L16	54	CCI-040075 Reinforcement	67.83 - 68.08	1.0000	1.0000
L17	6	HCS 6X12 4AWG(1-5/8)	63.50 - 67.83	1.0000	1.0000
L17	12	7983A(ELLIPTICAL)	63.50 - 67.83	1.0000	1.0000
L17	20	AVA7-50(1-5/8)	63.50 - 67.83	1.0000	1.0000
L17	25	MS-450 Reinforcement	63.50 - 65.00	1.0000	1.0000
L17	26	MS-450 Reinforcement	63.50 - 65.00	1.0000	1.0000
L17	27	MS-450 Reinforcement	63.50 - 65.00	1.0000	1.0000
L17	28	MS-450 Reinforcement	63.50 - 67.83	1.0000	1.0000
L17	29	MS-450 Reinforcement	63.50 - 67.83	1.0000	1.0000
L17	30	MS-450 Reinforcement	63.50 - 67.83	1.0000	1.0000
L17	42	CCI-060100 Reinforcement	63.50 - 67.83	1.0000	1.0000
L17	44	CCI-060100 Reinforcement	63.50 - 67.83	1.0000	1.0000
L17	46	CCI-060100 Reinforcement	63.50 - 67.83	1.0000	1.0000
L17	48	CCI-045100 Reinforcement	65.33 - 67.83	1.0000	1.0000
L17	52	CCI-040075 Reinforcement	67.10 - 67.83	1.0000	1.0000
L17	53	CCI-040075 Reinforcement	67.10 - 67.83	1.0000	1.0000
L17	54	CCI-040075 Reinforcement	67.10 - 67.83	1.0000	1.0000
L18	6	HCS 6X12 4AWG(1-5/8)	63.25 - 63.50	1.0000	1.0000
L18	12	7983A(ELLIPTICAL)	63.25 - 63.50	1.0000	1.0000
L18	20	AVA7-50(1-5/8)	63.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			63.50		
L18	25	MS-450 Reinforcement	63.25 - 63.50	1.0000	1.0000
L18	26	MS-450 Reinforcement	63.25 - 63.50	1.0000	1.0000
L18	27	MS-450 Reinforcement	63.25 - 63.50	1.0000	1.0000
L18	28	MS-450 Reinforcement	63.25 - 63.50	1.0000	1.0000
L18	29	MS-450 Reinforcement	63.25 - 63.50	1.0000	1.0000
L18	30	MS-450 Reinforcement	63.25 - 63.50	1.0000	1.0000
L18	42	CCI-060100 Reinforcement	63.25 - 63.50	1.0000	1.0000
L18	44	CCI-060100 Reinforcement	63.25 - 63.50	1.0000	1.0000
L18	46	CCI-060100 Reinforcement	63.25 - 63.50	1.0000	1.0000
L19	6	HCS 6X12 4AWG(1-5/8)	58.25 - 63.25	1.0000	1.0000
L19	12	7983A(ELLIPTICAL)	58.25 - 63.25	1.0000	1.0000
L19	20	AVA7-50(1-5/8)	58.25 - 63.25	1.0000	1.0000
L19	25	MS-450 Reinforcement	58.25 - 63.25	1.0000	1.0000
L19	26	MS-450 Reinforcement	58.25 - 63.25	1.0000	1.0000
L19	27	MS-450 Reinforcement	58.25 - 63.25	1.0000	1.0000
L19	28	MS-450 Reinforcement	58.25 - 63.25	1.0000	1.0000
L19	29	MS-450 Reinforcement	58.25 - 63.25	1.0000	1.0000
L19	30	MS-450 Reinforcement	58.25 - 63.25	1.0000	1.0000
L19	42	CCI-060100 Reinforcement	58.25 - 63.25	1.0000	1.0000
L19	44	CCI-060100 Reinforcement	58.25 - 63.25	1.0000	1.0000
L19	46	CCI-060100 Reinforcement	58.25 - 63.25	1.0000	1.0000
L20	6	HCS 6X12 4AWG(1-5/8)	53.25 - 58.25	1.0000	1.0000
L20	12	7983A(ELLIPTICAL)	53.25 - 58.25	1.0000	1.0000
L20	20	AVA7-50(1-5/8)	53.25 - 58.25	1.0000	1.0000
L20	25	MS-450 Reinforcement	53.25 - 58.25	1.0000	1.0000
L20	26	MS-450 Reinforcement	53.25 - 58.25	1.0000	1.0000
L20	27	MS-450 Reinforcement	53.25 - 58.25	1.0000	1.0000
L20	28	MS-450 Reinforcement	53.25 - 58.25	1.0000	1.0000
L20	29	MS-450 Reinforcement	53.25 - 58.25	1.0000	1.0000
L20	30	MS-450 Reinforcement	53.25 - 58.25	1.0000	1.0000
L20	42	CCI-060100 Reinforcement	53.25 - 58.25	1.0000	1.0000
L20	44	CCI-060100 Reinforcement	53.25 - 58.25	1.0000	1.0000
L20	46	CCI-060100 Reinforcement	53.25 - 58.25	1.0000	1.0000
L21	6	HCS 6X12 4AWG(1-5/8)	47.42 - 53.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L21	12	7983A(ELLIPTICAL)	47.42 - 53.25	1.0000	1.0000
L21	20	AVA7-50(1-5/8)	47.42 - 53.25	1.0000	1.0000
L21	25	MS-450 Reinforcement	47.42 - 53.25	1.0000	1.0000
L21	26	MS-450 Reinforcement	47.42 - 53.25	1.0000	1.0000
L21	27	MS-450 Reinforcement	47.42 - 53.25	1.0000	1.0000
L21	28	MS-450 Reinforcement	50.00 - 53.25	1.0000	1.0000
L21	29	MS-450 Reinforcement	50.00 - 53.25	1.0000	1.0000
L21	30	MS-450 Reinforcement	50.00 - 53.25	1.0000	1.0000
L21	35	CCI-040075 Reinforcement	47.42 - 50.00	1.0000	1.0000
L21	36	CCI-040075 Reinforcement	47.42 - 50.00	1.0000	1.0000
L21	37	CCI-040075 Reinforcement	47.42 - 50.00	1.0000	1.0000
L21	42	CCI-060100 Reinforcement	47.42 - 53.25	1.0000	1.0000
L21	44	CCI-060100 Reinforcement	47.42 - 53.25	1.0000	1.0000
L21	46	CCI-060100 Reinforcement	47.42 - 53.25	1.0000	1.0000
L23	6	HCS 6X12 4AWG(1-5/8)	41.42 - 46.42	1.0000	1.0000
L23	12	7983A(ELLIPTICAL)	41.42 - 46.42	1.0000	1.0000
L23	20	AVA7-50(1-5/8)	41.42 - 46.42	1.0000	1.0000
L23	25	MS-450 Reinforcement	41.42 - 46.42	1.0000	1.0000
L23	26	MS-450 Reinforcement	41.42 - 46.42	1.0000	1.0000
L23	27	MS-450 Reinforcement	41.42 - 46.42	1.0000	1.0000
L23	35	CCI-040075 Reinforcement	41.42 - 46.42	1.0000	1.0000
L23	36	CCI-040075 Reinforcement	41.42 - 46.42	1.0000	1.0000
L23	37	CCI-040075 Reinforcement	41.42 - 46.42	1.0000	1.0000
L23	42	CCI-060100 Reinforcement	41.42 - 46.42	1.0000	1.0000
L23	44	CCI-060100 Reinforcement	41.42 - 46.42	1.0000	1.0000
L23	46	CCI-060100 Reinforcement	41.42 - 46.42	1.0000	1.0000
L24	6	HCS 6X12 4AWG(1-5/8)	38.08 - 41.42	1.0000	1.0000
L24	12	7983A(ELLIPTICAL)	38.08 - 41.42	1.0000	1.0000
L24	20	AVA7-50(1-5/8)	38.08 - 41.42	1.0000	1.0000
L24	25	MS-450 Reinforcement	38.08 - 41.42	1.0000	1.0000
L24	26	MS-450 Reinforcement	38.08 - 41.42	1.0000	1.0000
L24	27	MS-450 Reinforcement	38.08 - 41.42	1.0000	1.0000
L24	35	CCI-040075 Reinforcement	38.08 - 41.42	1.0000	1.0000
L24	36	CCI-040075 Reinforcement	38.08 - 41.42	1.0000	1.0000
L24	37	CCI-040075	38.08 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		Reinforcement	41.42		
L24	42	CCI-060100	38.08 -	1.0000	1.0000
		Reinforcement	41.42		
L24	44	CCI-060100	38.08 -	1.0000	1.0000
		Reinforcement	41.42		
L24	46	CCI-060100	38.08 -	1.0000	1.0000
		Reinforcement	41.42		
L25	6	HCS 6X12 4AWG(1-5/8)	37.83 -	1.0000	1.0000
			38.08		
L25	12	7983A(ELLIPTICAL)	37.83 -	1.0000	1.0000
			38.08		
L25	20	AVA7-50(1-5/8)	37.83 -	1.0000	1.0000
			38.08		
L25	25	MS-450 Reinforcement	37.83 -	1.0000	1.0000
			38.08		
L25	26	MS-450 Reinforcement	37.83 -	1.0000	1.0000
			38.08		
L25	27	MS-450 Reinforcement	37.83 -	1.0000	1.0000
			38.08		
L25	35	CCI-040075	37.83 -	1.0000	1.0000
		Reinforcement	38.08		
L25	36	CCI-040075	37.83 -	1.0000	1.0000
		Reinforcement	38.08		
L25	37	CCI-040075	37.83 -	1.0000	1.0000
		Reinforcement	38.08		
L25	42	CCI-060100	37.83 -	1.0000	1.0000
		Reinforcement	38.08		
L25	44	CCI-060100	37.83 -	1.0000	1.0000
		Reinforcement	38.08		
L25	46	CCI-060100	37.83 -	1.0000	1.0000
		Reinforcement	38.08		
L26	6	HCS 6X12 4AWG(1-5/8)	35.00 -	1.0000	1.0000
			37.83		
L26	12	7983A(ELLIPTICAL)	35.00 -	1.0000	1.0000
			37.83		
L26	20	AVA7-50(1-5/8)	35.00 -	1.0000	1.0000
			37.83		
L26	25	MS-450 Reinforcement	35.00 -	1.0000	1.0000
			37.83		
L26	26	MS-450 Reinforcement	35.00 -	1.0000	1.0000
			37.83		
L26	27	MS-450 Reinforcement	35.00 -	1.0000	1.0000
			37.83		
L26	35	CCI-040075	35.00 -	1.0000	1.0000
		Reinforcement	37.83		
L26	36	CCI-040075	35.00 -	1.0000	1.0000
		Reinforcement	37.83		
L26	37	CCI-040075	35.00 -	1.0000	1.0000
		Reinforcement	37.83		
L26	39	CCI-045100	35.00 -	1.0000	1.0000
		Reinforcement	35.50		
L26	40	CCI-045100	35.00 -	1.0000	1.0000
		Reinforcement	35.50		
L26	41	CCI-045100	35.00 -	1.0000	1.0000
		Reinforcement	35.50		
L26	42	CCI-060100	35.50 -	1.0000	1.0000
		Reinforcement	37.83		
L26	44	CCI-060100	35.50 -	1.0000	1.0000
		Reinforcement	37.83		
L26	46	CCI-060100	35.50 -	1.0000	1.0000
		Reinforcement	37.83		
L27	6	HCS 6X12 4AWG(1-5/8)	34.75 -	1.0000	1.0000
			35.00		
L27	12	7983A(ELLIPTICAL)	34.75 -	1.0000	1.0000
			35.00		
L27	20	AVA7-50(1-5/8)	34.75 -	1.0000	1.0000
			35.00		
L27	22	MS-600 Reinforcement	34.75 -	1.0000	1.0000
			35.00		

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L27	23	MS-600 Reinforcement	34.75 - 35.00	1.0000	1.0000
L27	24	MS-600 Reinforcement	34.75 - 35.00	1.0000	1.0000
L27	32	CCI-045100 Reinforcement	34.75 - 35.00	1.0000	1.0000
L27	33	CCI-045100 Reinforcement	34.75 - 35.00	1.0000	1.0000
L27	34	CCI-045100 Reinforcement	34.75 - 35.00	1.0000	1.0000
L27	39	CCI-045100 Reinforcement	34.75 - 35.00	1.0000	1.0000
L27	40	CCI-045100 Reinforcement	34.75 - 35.00	1.0000	1.0000
L27	41	CCI-045100 Reinforcement	34.75 - 35.00	1.0000	1.0000
L28	6	HCS 6X12 4AWG(1-5/8)	29.75 - 34.75	1.0000	1.0000
L28	12	7983A(ELLIPTICAL)	29.75 - 34.75	1.0000	1.0000
L28	20	AVA7-50(1-5/8)	29.75 - 34.75	1.0000	1.0000
L28	22	MS-600 Reinforcement	29.75 - 34.75	1.0000	1.0000
L28	23	MS-600 Reinforcement	29.75 - 34.75	1.0000	1.0000
L28	24	MS-600 Reinforcement	29.75 - 34.75	1.0000	1.0000
L28	32	CCI-045100 Reinforcement	29.75 - 34.75	1.0000	1.0000
L28	33	CCI-045100 Reinforcement	29.75 - 34.75	1.0000	1.0000
L28	34	CCI-045100 Reinforcement	29.75 - 34.75	1.0000	1.0000
L28	39	CCI-045100 Reinforcement	29.75 - 34.75	1.0000	1.0000
L28	40	CCI-045100 Reinforcement	29.75 - 34.75	1.0000	1.0000
L28	41	CCI-045100 Reinforcement	29.75 - 34.75	1.0000	1.0000
L29	6	HCS 6X12 4AWG(1-5/8)	24.75 - 29.75	1.0000	1.0000
L29	12	7983A(ELLIPTICAL)	24.75 - 29.75	1.0000	1.0000
L29	20	AVA7-50(1-5/8)	24.75 - 29.75	1.0000	1.0000
L29	22	MS-600 Reinforcement	24.75 - 29.75	1.0000	1.0000
L29	23	MS-600 Reinforcement	24.75 - 29.75	1.0000	1.0000
L29	24	MS-600 Reinforcement	24.75 - 29.75	1.0000	1.0000
L29	32	CCI-045100 Reinforcement	24.75 - 29.75	1.0000	1.0000
L29	33	CCI-045100 Reinforcement	24.75 - 29.75	1.0000	1.0000
L29	34	CCI-045100 Reinforcement	24.75 - 29.75	1.0000	1.0000
L29	39	CCI-045100 Reinforcement	24.75 - 29.75	1.0000	1.0000
L29	40	CCI-045100 Reinforcement	24.75 - 29.75	1.0000	1.0000
L29	41	CCI-045100 Reinforcement	24.75 - 29.75	1.0000	1.0000
L30	6	HCS 6X12 4AWG(1-5/8)	19.75 - 24.75	1.0000	1.0000
L30	12	7983A(ELLIPTICAL)	19.75 - 24.75	1.0000	1.0000
L30	20	AVA7-50(1-5/8)	19.75 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L30	22	MS-600 Reinforcement	19.75 - 24.75	1.0000	1.0000
L30	23	MS-600 Reinforcement	19.75 - 24.75	1.0000	1.0000
L30	24	MS-600 Reinforcement	19.75 - 24.75	1.0000	1.0000
L30	32	CCI-045100 Reinforcement	19.75 - 24.75	1.0000	1.0000
L30	33	CCI-045100 Reinforcement	19.75 - 24.75	1.0000	1.0000
L30	34	CCI-045100 Reinforcement	19.75 - 24.75	1.0000	1.0000
L30	39	CCI-045100 Reinforcement	19.75 - 24.75	1.0000	1.0000
L30	40	CCI-045100 Reinforcement	19.75 - 24.75	1.0000	1.0000
L30	41	CCI-045100 Reinforcement	19.75 - 24.75	1.0000	1.0000
L31	6	HCS 6X12 4AWG(1-5/8)	14.75 - 19.75	1.0000	1.0000
L31	12	7983A(ELLIPTICAL)	14.75 - 19.75	1.0000	1.0000
L31	20	AVA7-50(1-5/8)	14.75 - 19.75	1.0000	1.0000
L31	22	MS-600 Reinforcement	14.75 - 19.75	1.0000	1.0000
L31	23	MS-600 Reinforcement	14.75 - 19.75	1.0000	1.0000
L31	24	MS-600 Reinforcement	14.75 - 19.75	1.0000	1.0000
L31	32	CCI-045100 Reinforcement	14.75 - 19.75	1.0000	1.0000
L31	33	CCI-045100 Reinforcement	14.75 - 19.75	1.0000	1.0000
L31	34	CCI-045100 Reinforcement	14.75 - 19.75	1.0000	1.0000
L31	39	CCI-045100 Reinforcement	14.75 - 19.75	1.0000	1.0000
L31	40	CCI-045100 Reinforcement	14.75 - 19.75	1.0000	1.0000
L31	41	CCI-045100 Reinforcement	14.75 - 19.75	1.0000	1.0000
L32	6	HCS 6X12 4AWG(1-5/8)	12.50 - 14.75	1.0000	1.0000
L32	12	7983A(ELLIPTICAL)	12.50 - 14.75	1.0000	1.0000
L32	20	AVA7-50(1-5/8)	12.50 - 14.75	1.0000	1.0000
L32	22	MS-600 Reinforcement	12.50 - 14.75	1.0000	1.0000
L32	23	MS-600 Reinforcement	12.50 - 14.75	1.0000	1.0000
L32	24	MS-600 Reinforcement	12.50 - 14.75	1.0000	1.0000
L32	32	CCI-045100 Reinforcement	12.50 - 14.75	1.0000	1.0000
L32	33	CCI-045100 Reinforcement	12.50 - 14.75	1.0000	1.0000
L32	34	CCI-045100 Reinforcement	12.50 - 14.75	1.0000	1.0000
L32	39	CCI-045100 Reinforcement	12.50 - 14.75	1.0000	1.0000
L32	40	CCI-045100 Reinforcement	12.50 - 14.75	1.0000	1.0000
L32	41	CCI-045100 Reinforcement	12.50 - 14.75	1.0000	1.0000
L33	6	HCS 6X12 4AWG(1-5/8)	12.25 - 12.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L33	12	7983A(ELLIPTICAL)	12.25 - 12.50	1.0000	1.0000
L33	20	AVA7-50(1-5/8)	12.25 - 12.50	1.0000	1.0000
L33	22	MS-600 Reinforcement	12.25 - 12.50	1.0000	1.0000
L33	23	MS-600 Reinforcement	12.25 - 12.50	1.0000	1.0000
L33	24	MS-600 Reinforcement	12.25 - 12.50	1.0000	1.0000
L33	32	CCI-045100 Reinforcement	12.25 - 12.50	1.0000	1.0000
L33	33	CCI-045100 Reinforcement	12.25 - 12.50	1.0000	1.0000
L33	34	CCI-045100 Reinforcement	12.25 - 12.50	1.0000	1.0000
L33	39	CCI-045100 Reinforcement	12.25 - 12.50	1.0000	1.0000
L33	40	CCI-045100 Reinforcement	12.25 - 12.50	1.0000	1.0000
L33	41	CCI-045100 Reinforcement	12.25 - 12.50	1.0000	1.0000
L34	6	HCS 6X12 4AWG(1-5/8)	11.00 - 12.25	1.0000	1.0000
L34	12	7983A(ELLIPTICAL)	11.00 - 12.25	1.0000	1.0000
L34	20	AVA7-50(1-5/8)	11.00 - 12.25	1.0000	1.0000
L34	22	MS-600 Reinforcement	11.00 - 12.25	1.0000	1.0000
L34	23	MS-600 Reinforcement	11.00 - 12.25	1.0000	1.0000
L34	24	MS-600 Reinforcement	11.00 - 12.25	1.0000	1.0000
L34	32	CCI-045100 Reinforcement	11.00 - 12.25	1.0000	1.0000
L34	33	CCI-045100 Reinforcement	11.00 - 12.25	1.0000	1.0000
L34	34	CCI-045100 Reinforcement	11.00 - 12.25	1.0000	1.0000
L34	39	CCI-045100 Reinforcement	11.00 - 12.25	1.0000	1.0000
L34	40	CCI-045100 Reinforcement	11.00 - 12.25	1.0000	1.0000
L34	41	CCI-045100 Reinforcement	11.00 - 12.25	1.0000	1.0000
L35	6	HCS 6X12 4AWG(1-5/8)	10.75 - 11.00	1.0000	1.0000
L35	12	7983A(ELLIPTICAL)	10.75 - 11.00	1.0000	1.0000
L35	20	AVA7-50(1-5/8)	10.75 - 11.00	1.0000	1.0000
L35	22	MS-600 Reinforcement	10.75 - 11.00	1.0000	1.0000
L35	23	MS-600 Reinforcement	10.75 - 11.00	1.0000	1.0000
L35	24	MS-600 Reinforcement	10.75 - 11.00	1.0000	1.0000
L35	32	CCI-045100 Reinforcement	10.75 - 11.00	1.0000	1.0000
L35	33	CCI-045100 Reinforcement	10.75 - 11.00	1.0000	1.0000
L35	34	CCI-045100 Reinforcement	10.75 - 11.00	1.0000	1.0000
L35	39	CCI-045100 Reinforcement	10.75 - 11.00	1.0000	1.0000
L35	40	CCI-045100 Reinforcement	10.75 - 11.00	1.0000	1.0000
L35	41	CCI-045100	10.75 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		Reinforcement	11.00		
L36	6	HCS 6X12 4AWG(1-5/8)	5.75 - 10.75	1.0000	1.0000
L36	12	7983A(ELLIPTICAL)	5.75 - 10.75	1.0000	1.0000
L36	20	AVA7-50(1-5/8)	5.75 - 10.75	1.0000	1.0000
L36	22	MS-600 Reinforcement	5.75 - 10.75	1.0000	1.0000
L36	23	MS-600 Reinforcement	5.75 - 10.75	1.0000	1.0000
L36	24	MS-600 Reinforcement	5.75 - 10.75	1.0000	1.0000
L36	32	CCI-045100 Reinforcement	5.75 - 10.75	1.0000	1.0000
L36	33	CCI-045100 Reinforcement	5.75 - 10.75	1.0000	1.0000
L36	34	CCI-045100 Reinforcement	5.75 - 10.75	1.0000	1.0000
L36	39	CCI-045100 Reinforcement	10.50 - 10.75	1.0000	1.0000
L36	40	CCI-045100 Reinforcement	5.75 - 10.75	1.0000	1.0000
L36	41	CCI-045100 Reinforcement	5.75 - 10.75	1.0000	1.0000
L37	6	HCS 6X12 4AWG(1-5/8)	2.50 - 5.75	1.0000	1.0000
L37	12	7983A(ELLIPTICAL)	2.50 - 5.75	1.0000	1.0000
L37	20	AVA7-50(1-5/8)	2.50 - 5.75	1.0000	1.0000
L37	22	MS-600 Reinforcement	2.50 - 5.75	1.0000	1.0000
L37	23	MS-600 Reinforcement	2.50 - 5.75	1.0000	1.0000
L37	24	MS-600 Reinforcement	2.50 - 5.75	1.0000	1.0000
L37	32	CCI-045100 Reinforcement	2.50 - 5.75	1.0000	1.0000
L37	33	CCI-045100 Reinforcement	2.50 - 5.75	1.0000	1.0000
L37	34	CCI-045100 Reinforcement	2.50 - 5.75	1.0000	1.0000
L37	40	CCI-045100 Reinforcement	2.50 - 5.75	1.0000	1.0000
L37	41	CCI-045100 Reinforcement	2.50 - 5.75	1.0000	1.0000
L38	6	HCS 6X12 4AWG(1-5/8)	2.25 - 2.50	1.0000	1.0000
L38	12	7983A(ELLIPTICAL)	2.25 - 2.50	1.0000	1.0000
L38	20	AVA7-50(1-5/8)	2.25 - 2.50	1.0000	1.0000
L38	22	MS-600 Reinforcement	2.25 - 2.50	1.0000	1.0000
L38	23	MS-600 Reinforcement	2.25 - 2.50	1.0000	1.0000
L38	24	MS-600 Reinforcement	2.25 - 2.50	1.0000	1.0000
L38	32	CCI-045100 Reinforcement	2.25 - 2.50	1.0000	1.0000
L38	33	CCI-045100 Reinforcement	2.25 - 2.50	1.0000	1.0000
L38	34	CCI-045100 Reinforcement	2.25 - 2.50	1.0000	1.0000
L38	40	CCI-045100 Reinforcement	2.25 - 2.50	1.0000	1.0000
L38	41	CCI-045100 Reinforcement	2.25 - 2.50	1.0000	1.0000
L39	6	HCS 6X12 4AWG(1-5/8)	0.00 - 2.25	1.0000	1.0000
L39	12	7983A(ELLIPTICAL)	0.00 - 2.25	1.0000	1.0000
L39	20	AVA7-50(1-5/8)	0.00 - 2.25	1.0000	1.0000
L39	22	MS-600 Reinforcement	0.00 - 2.25	1.0000	1.0000
L39	23	MS-600 Reinforcement	0.00 - 2.25	1.0000	1.0000
L39	24	MS-600 Reinforcement	0.00 - 2.25	1.0000	1.0000
L39	32	CCI-045100 Reinforcement	0.00 - 2.25	1.0000	1.0000
L39	33	CCI-045100 Reinforcement	0.00 - 2.25	1.0000	1.0000
L39	34	CCI-045100 Reinforcement	0.00 - 2.25	1.0000	1.0000
L39	40	CCI-045100 Reinforcement	0.00 - 2.25	1.0000	1.0000
L39	41	CCI-045100 Reinforcement	0.00 - 2.25	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.10 0.16 0.23 0.42
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.08 0.13 0.19 0.33
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.08 0.13 0.19 0.33
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.08 0.13 0.19 0.33
TD-RRH8X20-25	A	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0455 4.2975 4.5570 5.0981	1.5345 1.7142 1.9008 2.2951	0.07 0.10 0.13 0.20
TD-RRH8X20-25	B	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0455 4.2975 4.5570 5.0981	1.5345 1.7142 1.9008 2.2951	0.07 0.10 0.13 0.20
TD-RRH8X20-25	C	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0455 4.2975 4.5570 5.0981	1.5345 1.7142 1.9008 2.2951	0.07 0.10 0.13 0.20
(3) ACU-A20-N	A	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0667 0.1037 0.1481 0.2593	0.1167 0.1620 0.2148 0.3426	0.00 0.00 0.00 0.01
(3) ACU-A20-N	B	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0667 0.1037 0.1481 0.2593	0.1167 0.1620 0.2148 0.3426	0.00 0.00 0.00 0.01
(3) ACU-A20-N	C	From Leg	2.0000 0.00 2.00			0.0000	117.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0667 0.1037 0.1481 0.2593	0.1167 0.1620 0.2148 0.3426	0.00 0.00 0.00 0.01
T-Arm Mount [TA 702-3]	C	None				0.0000	117.0000	No Ice	4.7500	4.7500	0.34

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1/2" Ice	5.8200	5.8200	0.43
						1" Ice	6.9800	6.9800	0.55
						2" Ice	9.7200	9.7200	0.87
Stabalizer Bars	C	None		0.0000	117.0000	No Ice	2.6100	2.6100	0.04
						1/2" Ice	3.7000	3.7000	0.05
						1" Ice	4.7900	4.7900	0.06
						2" Ice	6.9700	6.9700	0.08
***									
800 EXTERNAL NOTCH FILTER	A	From Leg	2.0000 0.00 0.00	0.0000	115.0000	No Ice	0.6601	0.3211	0.01
						1/2" Ice	0.7627	0.3983	0.02
						1" Ice	0.8727	0.4830	0.02
						2" Ice	1.1149	0.6744	0.04
800 EXTERNAL NOTCH FILTER	B	From Leg	2.0000 0.00 0.00	0.0000	115.0000	No Ice	0.6601	0.3211	0.01
						1/2" Ice	0.7627	0.3983	0.02
						1" Ice	0.8727	0.4830	0.02
						2" Ice	1.1149	0.6744	0.04
800 EXTERNAL NOTCH FILTER	C	From Leg	2.0000 0.00 0.00	0.0000	115.0000	No Ice	0.6601	0.3211	0.01
						1/2" Ice	0.7627	0.3983	0.02
						1" Ice	0.8727	0.4830	0.02
						2" Ice	1.1149	0.6744	0.04
PCS 1900MHz 4x45W-65MHz	A	From Leg	2.0000 0.00 0.00	0.0000	115.0000	No Ice	2.3218	2.2381	0.06
						1/2" Ice	2.5266	2.4407	0.08
						1" Ice	2.7388	2.6507	0.11
						2" Ice	3.1855	3.0929	0.17
PCS 1900MHz 4x45W-65MHz	B	From Leg	2.0000 0.00 0.00	0.0000	115.0000	No Ice	2.3218	2.2381	0.06
						1/2" Ice	2.5266	2.4407	0.08
						1" Ice	2.7388	2.6507	0.11
						2" Ice	3.1855	3.0929	0.17
PCS 1900MHz 4x45W-65MHz	C	From Leg	2.0000 0.00 0.00	0.0000	115.0000	No Ice	2.3218	2.2381	0.06
						1/2" Ice	2.5266	2.4407	0.08
						1" Ice	2.7388	2.6507	0.11
						2" Ice	3.1855	3.0929	0.17
800MHZ RRH	A	From Leg	2.0000 0.00 0.00	0.0000	115.0000	No Ice	2.1342	1.7730	0.05
						1/2" Ice	2.3195	1.9461	0.07
						1" Ice	2.5123	2.1267	0.10
						2" Ice	2.9201	2.5100	0.16
800MHZ RRH	B	From Leg	2.0000 0.00 0.00	0.0000	115.0000	No Ice	2.1342	1.7730	0.05
						1/2" Ice	2.3195	1.9461	0.07
						1" Ice	2.5123	2.1267	0.10
						2" Ice	2.9201	2.5100	0.16
800MHZ RRH	C	From Leg	2.0000 0.00 0.00	0.0000	115.0000	No Ice	2.1342	1.7730	0.05
						1/2" Ice	2.3195	1.9461	0.07
						1" Ice	2.5123	2.1267	0.10
						2" Ice	2.9201	2.5100	0.16
Side Arm Mount [SO 102-3]	C	None		0.0000	115.0000	No Ice	3.6000	3.6000	0.07
						1/2" Ice	4.1800	4.1800	0.11
						1" Ice	4.7500	4.7500	0.14
						2" Ice	5.9000	5.9000	0.20
***									
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice	6.3292	5.6424	0.11
						1/2" Ice	6.7751	6.4259	0.17
						1" Ice	7.2137	7.1313	0.23
							8.1168	8.5907	0.38

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice			
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.3292 6.7751 7.2137 8.1168	5.6424 6.4259 7.1313 8.5907	0.11 0.17 0.23 0.38
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.3292 6.7751 7.2137 8.1168	5.6424 6.4259 7.1313 8.5907	0.11 0.17 0.23 0.38
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6900 15.4600 16.2300 17.8200	6.8700 7.5500 8.2500 9.6700	0.19 0.31 0.46 0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6900 15.4600 16.2300 17.8200	6.8700 7.5500 8.2500 9.6700	0.19 0.31 0.46 0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6900 15.4600 16.2300 17.8200	6.8700 7.5500 8.2500 9.6700	0.19 0.31 0.46 0.79
AIR 32 B2A B66AA w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.0872 7.5606 8.0206 8.9662	6.3736 7.2305 7.9731 9.5071	0.16 0.23 0.30 0.46
AIR 32 B2A B66AA w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.0872 7.5606 8.0206 8.9662	6.3736 7.2305 7.9731 9.5071	0.16 0.23 0.30 0.46
AIR 32 B2A B66AA w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.0872 7.5606 8.0206 8.9662	6.3736 7.2305 7.9731 9.5071	0.16 0.23 0.30 0.46
KRY 112 144/1	A	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3500 0.4259 0.5093 0.6981	0.1750 0.2343 0.3009 0.4565	0.01 0.01 0.02 0.03
(2) KRY 112 144/1	B	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3500 0.4259 0.5093 0.6981	0.1750 0.2343 0.3009 0.4565	0.01 0.01 0.02 0.03
(2) RADIO 4449 B12/B71	A	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6500 1.8104 1.9781 2.3359	1.1625 1.3012 1.4473 1.7618	0.07 0.09 0.11 0.16
RADIO 4449 B12/B71	B	From Leg	4.0000 0.00 0.00	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6500 1.8104 1.9781 2.3359	1.1625 1.3012 1.4473 1.7618	0.07 0.09 0.11 0.16
T-Arm Mount [TA 602-3]	C	None		0.0000	110.0000	No Ice 1/2" Ice 1" Ice	13.4000 16.4400 19.7000 25.8600	13.4000 16.4400 19.7000 25.8600	0.77 1.00 1.29 2.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice			
***									
(2) DB844G65ZAXY w/ Mount Pipe	A	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.5782 4.9555 5.3404 6.1369	4.8023 5.4160 6.0401 7.3370	0.03 0.08 0.13 0.26
(2) DB844G65ZAXY w/ Mount Pipe	B	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.5782 4.9555 5.3404 6.1369	4.8023 5.4160 6.0401 7.3370	0.03 0.08 0.13 0.26
(2) DB844G65ZAXY w/ Mount Pipe	C	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.5782 4.9555 5.3404 6.1369	4.8023 5.4160 6.0401 7.3370	0.03 0.08 0.13 0.26
(2) HBXX-6516DS-A2M w/ Mount Pipe	A	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.1800 5.7000 6.2400 7.3600	3.9700 4.4700 4.9800 6.0600	0.05 0.09 0.15 0.28
(2) HBXX-6516DS-A2M w/ Mount Pipe	B	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.1800 5.7000 6.2400 7.3600	3.9700 4.4700 4.9800 6.0600	0.05 0.09 0.15 0.28
(2) HBXX-6516DS-A2M w/ Mount Pipe	C	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.1800 5.7000 6.2400 7.3600	3.9700 4.4700 4.9800 6.0600	0.05 0.09 0.15 0.28
800 10735V01 w/ Mount Pipe	A	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	8.8727 9.4550 10.0100 11.1272	5.4888 6.7103 7.6880 9.5633	0.06 0.12 0.19 0.36
800 10735V01 w/ Mount Pipe	B	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	8.8727 9.4550 10.0100 11.1272	5.4888 6.7103 7.6880 9.5633	0.06 0.12 0.19 0.36
800 10735V01 w/ Mount Pipe	C	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	8.8727 9.4550 10.0100 11.1272	5.4888 6.7103 7.6880 9.5633	0.06 0.12 0.19 0.36
GPS_A	C	From Leg	4.0000 0.00 4.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.2550 0.3205 0.3934 0.5614	0.2550 0.3205 0.3934 0.5614	0.00 0.00 0.01 0.02
(2) FD9R6004/2C-3L	A	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3142 0.3862 0.4656 0.6468	0.0762 0.1189 0.1685 0.2940	0.00 0.01 0.01 0.02
(2) FD9R6004/2C-3L	B	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3142 0.3862 0.4656 0.6468	0.0762 0.1189 0.1685 0.2940	0.00 0.01 0.01 0.02
(2) FD9R6004/2C-3L	C	From Leg	4.0000 0.00 1.00	0.0000	100.0000	No Ice 1/2" Ice	0.3142 0.3862 0.4656	0.0762 0.1189 0.1685	0.00 0.01 0.01

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice	0.6468	0.2940	0.02
						2" Ice			
B4 RRH2X60-4R	A	From Leg	4.0000	0.0000	100.0000	No Ice	3.3554	2.0048	0.06
			0.00			1/2"	3.6120	2.2369	0.08
			1.00			Ice	3.8757	2.4759	0.11
						1" Ice	4.4240	2.9750	0.18
						2" Ice			
B4 RRH2X60-4R	B	From Leg	4.0000	0.0000	100.0000	No Ice	3.3554	2.0048	0.06
			0.00			1/2"	3.6120	2.2369	0.08
			1.00			Ice	3.8757	2.4759	0.11
						1" Ice	4.4240	2.9750	0.18
						2" Ice			
B4 RRH2X60-4R	C	From Leg	4.0000	0.0000	100.0000	No Ice	3.3554	2.0048	0.06
			0.00			1/2"	3.6120	2.2369	0.08
			1.00			Ice	3.8757	2.4759	0.11
						1" Ice	4.4240	2.9750	0.18
						2" Ice			
RRFDC-3315-PF-48	A	From Leg	4.0000	0.0000	100.0000	No Ice	3.3636	2.1921	0.03
			0.00			1/2"	3.5972	2.3950	0.06
			1.00			Ice	3.8383	2.6056	0.09
						1" Ice	4.3426	3.0491	0.17
						2" Ice			
RRFDC-3315-PF-48	C	From Leg	4.0000	0.0000	100.0000	No Ice	3.3636	2.1921	0.03
			0.00			1/2"	3.5972	2.3950	0.06
			1.00			Ice	3.8383	2.6056	0.09
						1" Ice	4.3426	3.0491	0.17
						2" Ice			
B13 RRH 4X30	A	From Leg	4.0000	0.0000	100.0000	No Ice	2.0552	1.3201	0.06
			0.00			1/2"	2.2405	1.4754	0.07
			1.00			Ice	2.4333	1.6376	0.09
						1" Ice	2.8411	1.9966	0.14
						2" Ice			
B13 RRH 4X30	B	From Leg	4.0000	0.0000	100.0000	No Ice	2.0552	1.3201	0.06
			0.00			1/2"	2.2405	1.4754	0.07
			1.00			Ice	2.4333	1.6376	0.09
						1" Ice	2.8411	1.9966	0.14
						2" Ice			
B13 RRH 4X30	C	From Leg	4.0000	0.0000	100.0000	No Ice	2.0552	1.3201	0.06
			0.00			1/2"	2.2405	1.4754	0.07
			1.00			Ice	2.4333	1.6376	0.09
						1" Ice	2.8411	1.9966	0.14
						2" Ice			
B25 RRH4X30	A	From Leg	4.0000	0.0000	100.0000	No Ice	2.2000	1.7417	0.06
			0.00			1/2"	2.3926	1.9204	0.08
			1.00			Ice	2.5926	2.1065	0.10
						1" Ice	3.0148	2.5009	0.16
						2" Ice			
B25 RRH4X30	B	From Leg	4.0000	0.0000	100.0000	No Ice	2.2000	1.7417	0.06
			0.00			1/2"	2.3926	1.9204	0.08
			1.00			Ice	2.5926	2.1065	0.10
						1" Ice	3.0148	2.5009	0.16
						2" Ice			
B25 RRH4X30	C	From Leg	4.0000	0.0000	100.0000	No Ice	2.2000	1.7417	0.06
			0.00			1/2"	2.3926	1.9204	0.08
			1.00			Ice	2.5926	2.1065	0.10
						1" Ice	3.0148	2.5009	0.16
						2" Ice			
Platform Mount [LP 715-1]	C	None		0.0000	100.0000	No Ice	46.7700	46.7700	1.77
						1/2"	50.2500	50.2500	2.88
						Ice	53.9700	53.9700	4.09
						1" Ice	62.2200	62.2200	6.81
						2" Ice			
***									
Pipe Mount [PM 601-3]	C	None		0.0000	93.0000	No Ice	3.1700	3.1700	0.20
						1/2"	3.7900	3.7900	0.23

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						Ice	4.4200	4.4200	0.28
						1" Ice	5.7600	5.7600	0.40
						2" Ice			
***									
RRUS 32 B30	A	From Leg	4.0000	0.0000	89.0000	No Ice	2.7427	1.6681	0.05
			0.00			1/2"	2.9647	1.8552	0.07
			0.00			Ice	3.1941	2.0493	0.10
						1" Ice	3.6753	2.4585	0.16
						2" Ice			
RRUS 32 B30	B	From Leg	4.0000	0.0000	89.0000	No Ice	2.7427	1.6681	0.05
			0.00			1/2"	2.9647	1.8552	0.07
			0.00			Ice	3.1941	2.0493	0.10
						1" Ice	3.6753	2.4585	0.16
						2" Ice			
RRUS 32 B30	C	From Leg	4.0000	0.0000	89.0000	No Ice	2.7427	1.6681	0.05
			0.00			1/2"	2.9647	1.8552	0.07
			0.00			Ice	3.1941	2.0493	0.10
						1" Ice	3.6753	2.4585	0.16
						2" Ice			
HPA65R-BU8A	A	From Leg	4.0000	0.0000	89.0000	No Ice	8.1800	5.3200	0.05
			0.00			1/2"	8.9700	6.0800	0.12
			0.00			Ice	9.7700	6.8600	0.20
						1" Ice	11.4200	8.4500	0.37
						2" Ice			
HPA65R-BU6A	B	From Leg	4.0000	0.0000	89.0000	No Ice	5.8800	3.8200	0.05
			0.00			1/2"	6.4700	4.3900	0.10
			0.00			Ice	7.0700	4.9600	0.16
						1" Ice	8.3200	6.1500	0.29
						2" Ice			
HPA65R-BU6A	C	From Leg	4.0000	0.0000	89.0000	No Ice	5.8800	3.8200	0.05
			0.00			1/2"	6.4700	4.3900	0.10
			0.00			Ice	7.0700	4.9600	0.16
						1" Ice	8.3200	6.1500	0.29
						2" Ice			
OPA-65R-LCUU-H8	A	From Leg	4.0000	0.0000	89.0000	No Ice	11.9500	6.0300	0.07
			0.00			1/2"	12.9200	6.9300	0.14
			0.00			Ice	13.9000	7.8500	0.22
						1" Ice	15.9200	9.7400	0.41
						2" Ice			
OPA-65R-LCUU-H6	B	From Leg	4.0000	0.0000	89.0000	No Ice	9.2000	4.6300	0.08
			0.00			1/2"	9.9700	5.3400	0.14
			0.00			Ice	10.7600	6.0700	0.20
						1" Ice	12.3900	7.5700	0.35
						2" Ice			
OPA-65R-LCUU-H6	C	From Leg	4.0000	0.0000	89.0000	No Ice	9.2000	4.6300	0.08
			0.00			1/2"	9.9700	5.3400	0.14
			0.00			Ice	10.7600	6.0700	0.20
						1" Ice	12.3900	7.5700	0.35
						2" Ice			
TPA-65R-LCUUUU-H8	C	From Leg	4.0000	0.0000	89.0000	No Ice	11.8700	7.0200	0.08
			0.00			1/2"	12.8200	7.9100	0.16
			0.00			Ice	13.7700	8.8200	0.25
						1" Ice	15.7400	10.6800	0.45
						2" Ice			
7770.00	A	From Leg	4.0000	0.0000	89.0000	No Ice	5.5085	2.9282	0.04
			0.00			1/2"	5.8673	3.2730	0.07
			0.00			Ice	6.2332	3.6252	0.11
						1" Ice	6.9859	4.3517	0.20
						2" Ice			
7770.00	B	From Leg	4.0000	0.0000	89.0000	No Ice	5.5085	2.9282	0.04
			0.00			1/2"	5.8673	3.2730	0.07
			0.00			Ice	6.2332	3.6252	0.11
						1" Ice	6.9859	4.3517	0.20
						2" Ice			
7770.00	C	From Leg	4.0000	0.0000	89.0000	No Ice	5.5085	2.9282	0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2"	5.8673	3.2730	0.07
			0.00			Ice	6.2332	3.6252	0.11
						1" Ice	6.9859	4.3517	0.20
						2" Ice			
QS66512-2	A	From Leg	4.0000	0.0000	89.0000	No Ice	4.0100	3.3700	0.11
			0.00			1/2"	4.4100	3.7600	0.17
			0.00			Ice	4.8100	4.1500	0.23
						1" Ice	5.6500	4.9700	0.38
						2" Ice			
QS66512-2	B	From Leg	4.0000	0.0000	89.0000	No Ice	4.0100	3.3700	0.11
			0.00			1/2"	4.4100	3.7600	0.17
			0.00			Ice	4.8100	4.1500	0.23
						1" Ice	5.6500	4.9700	0.38
						2" Ice			
(2) TPX-070821	A	From Leg	4.0000	0.0000	89.0000	No Ice	0.4688	0.1009	0.01
			0.00			1/2"	0.5585	0.1471	0.01
			0.00			Ice	0.6556	0.2020	0.02
						1" Ice	0.8721	0.3340	0.03
						2" Ice			
(2) TPX-070821	B	From Leg	4.0000	0.0000	89.0000	No Ice	0.4688	0.1009	0.01
			0.00			1/2"	0.5585	0.1471	0.01
			0.00			Ice	0.6556	0.2020	0.02
						1" Ice	0.8721	0.3340	0.03
						2" Ice			
(2) TPX-070821	C	From Leg	4.0000	0.0000	89.0000	No Ice	0.4688	0.1009	0.01
			0.00			1/2"	0.5585	0.1471	0.01
			0.00			Ice	0.6556	0.2020	0.02
						1" Ice	0.8721	0.3340	0.03
						2" Ice			
RRUS 11 B12	A	From Leg	4.0000	0.0000	89.0000	No Ice	2.8333	1.1821	0.05
			0.00			1/2"	3.0426	1.3299	0.07
			0.00			Ice	3.2593	1.4848	0.10
						1" Ice	3.7148	1.8259	0.15
						2" Ice			
RRUS 11 B12	B	From Leg	4.0000	0.0000	89.0000	No Ice	2.8333	1.1821	0.05
			0.00			1/2"	3.0426	1.3299	0.07
			0.00			Ice	3.2593	1.4848	0.10
						1" Ice	3.7148	1.8259	0.15
						2" Ice			
RRUS 11 B12	C	From Leg	4.0000	0.0000	89.0000	No Ice	2.8333	1.1821	0.05
			0.00			1/2"	3.0426	1.3299	0.07
			0.00			Ice	3.2593	1.4848	0.10
						1" Ice	3.7148	1.8259	0.15
						2" Ice			
RRUS 32 B2	A	From Leg	4.0000	0.0000	89.0000	No Ice	2.7427	1.6681	0.05
			0.00			1/2"	2.9647	1.8552	0.07
			0.00			Ice	3.1941	2.0493	0.10
						1" Ice	3.6753	2.4585	0.16
						2" Ice			
RRUS 32 B2	B	From Leg	4.0000	0.0000	89.0000	No Ice	2.7427	1.6681	0.05
			0.00			1/2"	2.9647	1.8552	0.07
			0.00			Ice	3.1941	2.0493	0.10
						1" Ice	3.6753	2.4585	0.16
						2" Ice			
RRUS 32 B2	C	From Leg	4.0000	0.0000	89.0000	No Ice	2.7427	1.6681	0.05
			0.00			1/2"	2.9647	1.8552	0.07
			0.00			Ice	3.1941	2.0493	0.10
						1" Ice	3.6753	2.4585	0.16
						2" Ice			
RRUS 4426 B66	A	From Leg	4.0000	0.0000	89.0000	No Ice	1.6444	0.7252	0.05
			0.00			1/2"	1.8044	0.8421	0.06
			0.00			Ice	1.9719	0.9685	0.08
						1" Ice	2.3292	1.2437	0.11
						2" Ice			
RRUS 4426 B66	B	From Leg	4.0000	0.0000	89.0000	No Ice	1.6444	0.7252	0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00 0.00			1/2" Ice 1" Ice 2" Ice	1.8044 1.9719 2.3292	0.8421 0.9685 1.2437	0.06 0.08 0.11
RRUS 4426 B66	C	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6444 1.8044 1.9719 2.3292	0.7252 0.8421 0.9685 1.2437	0.05 0.06 0.08 0.11
RRUS E2 B29	A	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.1450 3.3648 3.5920 4.0687	1.2854 1.4379 1.5998 1.9543	0.06 0.08 0.11 0.17
RRUS E2 B29	B	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.1450 3.3648 3.5920 4.0687	1.2854 1.4379 1.5998 1.9543	0.06 0.08 0.11 0.17
RRUS E2 B29	C	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.1450 3.3648 3.5920 4.0687	1.2854 1.4379 1.5998 1.9543	0.06 0.08 0.11 0.17
(2) LGP21401	A	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1040 1.2388 1.3810 1.6877	0.3471 0.4422 0.5444 0.7696	0.01 0.02 0.03 0.05
(2) LGP21401	B	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1040 1.2388 1.3810 1.6877	0.3471 0.4422 0.5444 0.7696	0.01 0.02 0.03 0.05
(2) LGP21401	C	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1040 1.2388 1.3810 1.6877	0.3471 0.4422 0.5444 0.7696	0.01 0.02 0.03 0.05
DC6-48-60-18-8F	A	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.2117 1.8924 2.1051 2.5703	1.2117 1.8924 2.1051 2.5703	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	B	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.2117 1.8924 2.1051 2.5703	1.2117 1.8924 2.1051 2.5703	0.03 0.05 0.08 0.14
DC6-48-60-18-8C-EV	B	From Leg	4.0000 0.00 0.00	0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7357 2.9620 3.1953 3.6830	2.7357 2.9620 3.1953 3.6830	0.03 0.05 0.08 0.15
Platform Mount [LP 1301-1]	C	None		0.0000	89.0000	No Ice 1/2" Ice 1" Ice 2" Ice	51.7000 62.7000 73.7000 95.7000	51.7000 62.7000 73.7000 95.7000	2.26 2.94 3.61 4.95
***									
800 10504 w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	84.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.6900 3.1200 3.5600 4.4900	2.2600 2.6800 3.1200 4.0300	0.04 0.07 0.11 0.21

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
800 10504 w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	84.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.6900 3.1200 3.5600 4.4900	2.2600 2.6800 3.1200 4.0300	0.04 0.07 0.11 0.21
800 10504 w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	84.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.6900 3.1200 3.5600 4.4900	2.2600 2.6800 3.1200 4.0300	0.04 0.07 0.11 0.21
Pipe Mount [PM 601-3]	C	None		0.0000	84.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.1700 3.7900 4.4200 5.7600	3.1700 3.7900 4.4200 5.7600	0.20 0.23 0.28 0.40

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
VHLP2-11	A	Paraboloid w/o Radome	From Leg	2.0000 0.00 1.00	48.0000		93.0000	2.1750	No Ice 1/2" Ice 1" Ice 2" Ice	3.7200 4.0100 4.3000 4.8800	0.03 0.05 0.07 0.11
VHLP1-23	A	Paraboloid w/Radome	From Leg	2.0000 0.00 2.00	68.0000		93.0000	1.2750	No Ice 1/2" Ice 1" Ice 2" Ice	1.2800 1.4500 1.6200 1.9700	0.01 0.02 0.03 0.04
VHLP800-11	C	Paraboloid w/Shroud (HP)	From Leg	2.0000 0.00 1.00	-2.0000		93.0000	2.8000	No Ice 1/2" Ice 1" Ice 2" Ice	6.1600 6.5300 6.9000 7.6400	0.02 0.06 0.09 0.17
VHLP1-23	B	Paraboloid w/Radome	From Leg	2.0000 0.00 -1.00	-52.0000		93.0000	1.2750	No Ice 1/2" Ice 1" Ice 2" Ice	1.2800 1.4500 1.6200 1.9700	0.01 0.02 0.03 0.04

Tower Pressures - No Ice

G_H = 1.100

Section Elevation ft	z ft	K_z	q_z psf	A_G ft^2	Face	A_F ft^2	A_R ft^2	A_{leg} ft^2	Leg %	C_AA_A In Face ft^2	C_AA_A Out Face ft^2
L1 117.0000-112.0000	114.4685	1.302	43.256	6.410	A	0.000	6.410	6.410	100.00	0.000	0.000
					B	0.000	6.410		100.00	0.000	0.000
					C	0.000	6.410		100.00	0.000	0.000
L2 112.0000-110.0000	110.9952	1.294	42.976	2.700	A	0.000	2.700	2.700	100.00	0.000	0.000
					B	0.000	2.700		100.00	0.000	0.000
					C	0.000	2.700		100.00	0.000	0.000
L3 110.0000-105.0000	107.4715	1.285	42.685	7.092	A	0.000	7.092	7.092	100.00	0.000	0.000
					B	0.000	7.092		100.00	3.320	0.000
					C	0.000	7.092		100.00	0.000	0.000
L4 105.0000-100.0000	102.4733	1.272	42.259	7.580	A	0.000	7.580	7.580	100.00	0.000	0.000
					B	0.000	7.580		100.00	3.320	0.000
					C	0.000	7.580		100.00	0.000	0.000
L5 100.0000-95.0000	97.4751	1.259	41.817	8.056	A	0.000	8.056	8.056	100.00	0.000	0.000
					B	0.000	8.056		100.00	3.320	0.000

Section Elevation ft	z ft	K_z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
					C	0.000	8.056		100.00	0.000	0.000
L6 95.0000-90.0000	92.4765	1.245	41.356	8.540	A	0.000	8.540	8.540	100.00	0.688	0.000
					B	0.000	8.540		100.00	3.320	0.000
					C	0.000	8.540		100.00	0.000	0.000
L7 90.0000-85.0000	87.4777	1.23	40.875	9.024	A	0.000	9.024	9.024	100.00	1.146	0.000
					B	0.000	9.024		100.00	3.337	0.000
					C	0.000	9.024		100.00	0.011	0.000
L8 85.0000-81.8800	83.4317	1.218	40.469	5.876	A	0.000	5.876	5.876	100.00	1.993	0.000
					B	0.000	5.876		100.00	2.176	0.000
					C	0.000	5.876		100.00	0.052	0.000
L9 81.8800-81.6300	81.7549	1.213	40.297	0.478	A	0.000	0.478	0.478	100.00	0.208	0.000
					B	0.000	0.478		100.00	0.174	0.000
					C	0.000	0.478		100.00	0.004	0.000
L10 81.6300-76.6300	79.1096	1.205	40.019	9.819	A	0.000	9.819	9.819	100.00	4.169	0.000
					B	0.000	9.819		100.00	3.494	0.000
					C	0.000	9.819		100.00	0.091	0.000
L11 76.6300-76.0800	76.3548	1.196	39.721	1.110	A	0.000	1.110	1.110	100.00	0.467	0.000
					B	0.000	1.110		100.00	0.393	0.000
					C	0.000	1.110		100.00	0.018	0.000
L12 76.0800-75.8300	75.9550	1.194	39.677	0.506	A	0.000	0.506	0.506	100.00	0.212	0.000
					B	0.000	0.506		100.00	0.178	0.000
					C	0.000	0.506		100.00	0.008	0.000
L13 75.8300-71.0000	73.3969	1.186	39.392	10.005	A	0.000	10.005	10.005	100.00	4.100	0.000
					B	0.000	10.005		100.00	3.449	0.000
					C	0.000	10.005		100.00	0.161	0.000
L14 71.0000-70.7500	70.8750	1.177	39.103	0.529	A	0.000	0.529	0.529	100.00	0.212	0.000
					B	0.000	0.529		100.00	0.178	0.000
					C	0.000	0.529		100.00	0.008	0.000
L15 70.7500-68.0800	69.4097	1.172	38.932	5.721	A	0.000	5.721	5.721	100.00	2.337	0.000
					B	0.000	5.721		100.00	1.934	0.000
					C	0.000	5.721		100.00	0.116	0.000
L16 68.0800-67.8300	67.9550	1.167	38.758	0.542	A	0.000	0.542	0.542	100.00	0.221	0.000
					B	0.000	0.542		100.00	0.183	0.000
					C	0.000	0.542		100.00	0.013	0.000
L17 67.8300-63.5000	65.6515	1.158	38.478	9.590	A	0.000	9.590	9.590	100.00	3.785	0.000
					B	0.000	9.590		100.00	3.098	0.000
					C	0.000	9.590		100.00	0.181	0.000
L18 63.5000-63.2500	63.3750	1.15	38.193	0.563	A	0.000	0.563	0.563	100.00	0.221	0.000
					B	0.000	0.563		100.00	0.178	0.000
					C	0.000	0.563		100.00	0.013	0.000
L19 63.2500-58.2500	60.7327	1.139	37.852	11.526	A	0.000	11.526	11.526	100.00	4.411	0.000
					B	0.000	11.526		100.00	3.570	0.000
					C	0.000	11.526		100.00	0.250	0.000
L20 58.2500-53.2500	55.7334	1.119	37.174	12.013	A	0.000	12.013	12.013	100.00	4.411	0.000
					B	0.000	12.013		100.00	3.570	0.000
					C	0.000	12.013		100.00	0.250	0.000
L21 53.2500-47.4200	50.3133	1.095	36.382	14.619	A	0.000	14.619	14.619	100.00	5.143	0.000
					B	0.000	14.619		100.00	4.163	0.000
					C	0.000	14.619		100.00	0.291	0.000
L22 47.4200-46.4200	46.9194	1.079	35.851	2.531	A	0.000	2.531	2.531	100.00	0.882	0.000
					B	0.000	2.531		100.00	0.714	0.000
					C	0.000	2.531		100.00	0.050	0.000
L23 46.4200-41.4200	43.9044	1.064	35.353	12.954	A	0.000	12.954	12.954	100.00	4.411	0.000
					B	0.000	12.954		100.00	3.570	0.000
					C	0.000	12.954		100.00	0.250	0.000
L24 41.4200-38.0800	39.7432	1.042	34.620	8.928	A	0.000	8.928	8.928	100.00	2.947	0.000
					B	0.000	8.928		100.00	2.385	0.000
					C	0.000	8.928		100.00	0.167	0.000
L25 38.0800-37.8300	37.9550	1.032	34.286	0.677	A	0.000	0.677	0.677	100.00	0.221	0.000
					B	0.000	0.677		100.00	0.178	0.000
					C	0.000	0.677		100.00	0.013	0.000
L26 37.8300-35.0000	36.4103	1.023	33.987	7.755	A	0.000	7.755	7.755	100.00	2.497	0.000
					B	0.000	7.755		100.00	2.021	0.000
					C	0.000	7.755		100.00	0.141	0.000
L27 35.0000-34.7500	34.8750	1.014	33.680	0.692	A	0.000	0.692	0.692	100.00	0.221	0.000
					B	0.000	0.692		100.00	0.178	0.000
					C	0.000	0.692		100.00	0.013	0.000
L28 34.7500-	32.2356	0.997	33.12	14.098	A	0.000	14.098	14.098	100.00	4.411	0.000

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
29.7500			7		B	0.000	14.098		100.00	3.570	0.000
					C	0.000	14.098		100.00	0.250	0.000
L29 29.7500-24.7500	27.2361	0.962	31.972	14.592	A	0.000	14.592	14.592	100.00	4.411	0.000
					B	0.000	14.592		100.00	3.570	0.000
					C	0.000	14.592		100.00	0.250	0.000
L30 24.7500-19.7500	22.2366	0.922	30.636	15.084	A	0.000	15.084	15.084	100.00	4.411	0.000
					B	0.000	15.084		100.00	3.570	0.000
					C	0.000	15.084		100.00	0.250	0.000
L31 19.7500-14.7500	17.2370	0.874	29.036	15.578	A	0.000	15.578	15.578	100.00	4.411	0.000
					B	0.000	15.578		100.00	3.570	0.000
					C	0.000	15.578		100.00	0.250	0.000
L32 14.7500-12.5000	13.6224	0.85	28.236	7.170	A	0.000	7.170	7.170	100.00	1.985	0.000
					B	0.000	7.170		100.00	1.607	0.000
					C	0.000	7.170		100.00	0.113	0.000
L33 12.5000-12.2500	12.3750	0.85	28.236	0.803	A	0.000	0.803	0.803	100.00	0.221	0.000
					B	0.000	0.803		100.00	0.178	0.000
					C	0.000	0.803		100.00	0.013	0.000
L34 12.2500-11.0000	11.6242	0.85	28.236	4.033	A	0.000	4.033	4.033	100.00	1.103	0.000
					B	0.000	4.033		100.00	0.892	0.000
					C	0.000	4.033		100.00	0.063	0.000
L35 11.0000-10.7500	10.8750	0.85	28.236	0.809	A	0.000	0.809	0.809	100.00	0.221	0.000
					B	0.000	0.809		100.00	0.178	0.000
					C	0.000	0.809		100.00	0.013	0.000
L36 10.7500-5.7500	8.2377	0.85	28.236	16.436	A	0.000	16.436	16.436	100.00	4.332	0.000
					B	0.000	16.436		100.00	3.570	0.000
					C	0.000	16.436		100.00	0.250	0.000
L37 5.7500-2.5000	4.1199	0.85	28.236	10.946	A	0.000	10.946	10.946	100.00	2.813	0.000
					B	0.000	10.946		100.00	2.321	0.000
					C	0.000	10.946		100.00	0.163	0.000
L38 2.5000-2.2500	2.3750	0.85	28.236	0.850	A	0.000	0.850	0.850	100.00	0.216	0.000
					B	0.000	0.850		100.00	0.178	0.000
					C	0.000	0.850		100.00	0.013	0.000
L39 2.2500-0.0000	1.1226	0.85	28.236	7.709	A	0.000	7.709	7.709	100.00	1.947	0.000
					B	0.000	7.709		100.00	1.607	0.000
					C	0.000	7.709		100.00	0.113	0.000

Tower Pressure - With Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 117.0000-112.0000	114.4685	1.302	7.510	1.4439	7.613	A	0.000	7.613	7.613	100.00	0.000	0.000
						B	0.000	7.613		100.00	0.000	0.000
						C	0.000	7.613		100.00	0.000	0.000
L2 112.0000-110.0000	110.9952	1.294	7.461	1.4394	3.180	A	0.000	3.180	3.180	100.00	0.000	0.000
						B	0.000	3.180		100.00	0.000	0.000
						C	0.000	3.180		100.00	0.000	0.000
L3 110.0000-105.0000	107.4715	1.285	7.411	1.4348	8.288	A	0.000	8.288	8.288	100.00	0.000	0.000
						B	0.000	8.288		100.00	5.943	0.000
						C	0.000	8.288		100.00	0.000	0.000
L4 105.0000-100.0000	102.4733	1.272	7.337	1.4280	8.770	A	0.000	8.770	8.770	100.00	0.000	0.000
						B	0.000	8.770		100.00	5.935	0.000
						C	0.000	8.770		100.00	0.000	0.000
L5 100.0000-95.0000	97.4751	1.259	7.260	1.4208	9.240	A	0.000	9.240	9.240	100.00	0.000	0.000
						B	0.000	9.240		100.00	5.926	0.000
						C	0.000	9.240		100.00	0.000	0.000
L6 95.0000-90.0000	92.4765	1.245	7.180	1.4134	9.718	A	0.000	9.718	9.718	100.00	1.920	0.000
						B	0.000	9.718		100.00	5.917	0.000
						C	0.000	9.718		100.00	0.000	0.000
L7 90.0000-85.0000	87.4777	1.23	7.096	1.4056	10.195	A	0.000	10.195	10.195	100.00	3.189	0.000
						B	0.000	10.195		100.00	6.205	0.000
						C	0.000	10.195		100.00	0.200	0.000
L8 85.0000-81.8800	83.4317	1.218	7.026	1.3989	6.604	A	0.000	6.604	6.604	100.00	4.324	0.000
						B	0.000	6.604		100.00	5.531	0.000

Section Elevation ft	z ft	K_Z	q_z psf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
						C	0.000	6.604		100.00	0.925	0.000
L9 81.8800-81.6300	81.7549	1.213	6.996	1.3961	0.536	A	0.000	0.536	0.536	100.00	0.435	0.000
						B	0.000	0.536		100.00	0.443	0.000
						C	0.000	0.536		100.00	0.074	0.000
L10 81.6300-76.6300	79.1096	1.205	6.948	1.3915	10.978	A	0.000	10.978	10.978	100.00	8.819	0.000
						B	0.000	10.978		100.00	8.978	0.000
						C	0.000	10.978		100.00	1.613	0.000
L11 76.6300-76.0800	76.3548	1.196	6.896	1.3866	1.237	A	0.000	1.237	1.237	100.00	1.115	0.000
						B	0.000	1.237		100.00	1.132	0.000
						C	0.000	1.237		100.00	0.323	0.000
L12 76.0800-75.8300	75.9550	1.194	6.888	1.3858	0.563	A	0.000	0.563	0.563	100.00	0.507	0.000
						B	0.000	0.563		100.00	0.514	0.000
						C	0.000	0.563		100.00	0.147	0.000
L13 75.8300-71.0000	73.3969	1.186	6.839	1.3811	11.117	A	0.000	11.117	11.117	100.00	9.774	0.000
						B	0.000	11.117		100.00	9.921	0.000
						C	0.000	11.117		100.00	2.829	0.000
L14 71.0000-70.7500	70.8750	1.177	6.789	1.3763	0.586	A	0.000	0.586	0.586	100.00	0.505	0.000
						B	0.000	0.586		100.00	0.512	0.000
						C	0.000	0.586		100.00	0.146	0.000
L15 70.7500-68.0800	69.4097	1.172	6.759	1.3734	6.333	A	0.000	6.333	6.333	100.00	6.615	0.000
						B	0.000	6.333		100.00	5.938	0.000
						C	0.000	6.333		100.00	2.027	0.000
L16 68.0800-67.8300	67.9550	1.167	6.729	1.3705	0.600	A	0.000	0.600	0.600	100.00	0.649	0.000
						B	0.000	0.600		100.00	0.584	0.000
						C	0.000	0.600		100.00	0.218	0.000
L17 67.8300-63.5000	65.6515	1.158	6.680	1.3658	10.575	A	0.000	10.575	10.575	100.00	10.617	0.000
						B	0.000	10.575		100.00	8.953	0.000
						C	0.000	10.575		100.00	3.156	0.000
L18 63.5000-63.2500	63.3750	1.15	6.631	1.3610	0.620	A	0.000	0.620	0.620	100.00	0.647	0.000
						B	0.000	0.620		100.00	0.509	0.000
						C	0.000	0.620		100.00	0.217	0.000
L19 63.2500-58.2500	60.7327	1.139	6.572	1.3552	12.655	A	0.000	12.655	12.655	100.00	12.905	0.000
						B	0.000	12.655		100.00	10.160	0.000
						C	0.000	12.655		100.00	4.316	0.000
L20 58.2500-53.2500	55.7334	1.119	6.454	1.3436	13.133	A	0.000	13.133	13.133	100.00	12.841	0.000
						B	0.000	13.133		100.00	10.110	0.000
						C	0.000	13.133		100.00	4.281	0.000
L21 53.2500-47.4200	50.3133	1.095	6.316	1.3299	15.911	A	0.000	15.911	15.911	100.00	14.885	0.000
						B	0.000	15.911		100.00	11.721	0.000
						C	0.000	15.911		100.00	4.944	0.000
L22 47.4200-46.4200	46.9194	1.079	6.224	1.3207	2.753	A	0.000	2.753	2.753	100.00	2.553	0.000
						B	0.000	2.753		100.00	2.010	0.000
						C	0.000	2.753		100.00	0.848	0.000
L23 46.4200-41.4200	43.9044	1.064	6.138	1.3119	14.048	A	0.000	14.048	14.048	100.00	12.667	0.000
						B	0.000	14.048		100.00	9.976	0.000
						C	0.000	14.048		100.00	4.186	0.000
L24 41.4200-38.0800	39.7432	1.042	6.010	1.2989	9.651	A	0.000	9.651	9.651	100.00	8.414	0.000
						B	0.000	9.651		100.00	6.627	0.000
						C	0.000	9.651		100.00	2.770	0.000
L25 38.0800-37.8300	37.9550	1.032	5.952	1.2930	0.731	A	0.000	0.731	0.731	100.00	0.628	0.000
						B	0.000	0.731		100.00	0.495	0.000
						C	0.000	0.731		100.00	0.206	0.000
L26 37.8300-35.0000	36.4103	1.023	5.901	1.2876	8.363	A	0.000	8.363	8.363	100.00	7.094	0.000
						B	0.000	8.363		100.00	5.588	0.000
						C	0.000	8.363		100.00	2.328	0.000
L27 35.0000-34.7500	34.8750	1.014	5.847	1.2821	0.745	A	0.000	0.745	0.745	100.00	0.625	0.000
						B	0.000	0.745		100.00	0.492	0.000
						C	0.000	0.745		100.00	0.205	0.000
L28 34.7500-29.7500	32.2356	0.997	5.751	1.2720	15.158	A	0.000	15.158	15.158	100.00	12.447	0.000
						B	0.000	15.158		100.00	9.806	0.000
						C	0.000	15.158		100.00	4.066	0.000
L29 29.7500-24.7500	27.2361	0.962	5.551	1.2508	15.634	A	0.000	15.634	15.634	100.00	12.330	0.000
						B	0.000	15.634		100.00	9.716	0.000
						C	0.000	15.634		100.00	4.002	0.000
L30 24.7500-19.7500	22.2366	0.922	5.319	1.2256	16.106	A	0.000	16.106	16.106	100.00	12.192	0.000
						B	0.000	16.106		100.00	9.609	0.000
						C	0.000	16.106		100.00	3.927	0.000
L31 19.7500-	17.2370	0.874	5.041	1.1948	16.574	A	0.000	16.574	16.574	100.00	12.023	0.000

Section Elevation ft	z ft	K_Z	q_z psf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
14.7500						B	0.000	16.574		100.00	9.478	0.000
						C	0.000	16.574		100.00	3.834	0.000
L32 14.7500-12.5000	13.6224	0.85	4.902	1.1670	7.608	A	0.000	7.608	7.608	100.00	5.341	0.000
						B	0.000	7.608		100.00	4.212	0.000
						C	0.000	7.608		100.00	1.688	0.000
L33 12.5000-12.2500	12.3750	0.85	4.902	1.1559	0.851	A	0.000	0.851	0.851	100.00	0.590	0.000
						B	0.000	0.851		100.00	0.466	0.000
						C	0.000	0.851		100.00	0.186	0.000
L34 12.2500-11.0000	11.6242	0.85	4.902	1.1487	4.272	A	0.000	4.272	4.272	100.00	2.942	0.000
						B	0.000	4.272		100.00	2.320	0.000
						C	0.000	4.272		100.00	0.924	0.000
L35 11.0000-10.7500	10.8750	0.85	4.902	1.1410	0.856	A	0.000	0.856	0.856	100.00	0.586	0.000
						B	0.000	0.856		100.00	0.462	0.000
						C	0.000	0.856		100.00	0.184	0.000
L36 10.7500-5.7500	8.2377	0.85	4.902	1.1098	17.361	A	0.000	17.361	17.361	100.00	10.422	0.000
						B	0.000	17.361		100.00	9.117	0.000
						C	0.000	17.361		100.00	3.579	0.000
L37 5.7500-2.5000	4.1199	0.85	4.902	1.0355	11.507	A	0.000	11.507	11.507	100.00	6.518	0.000
						B	0.000	11.507		100.00	5.721	0.000
						C	0.000	11.507		100.00	2.182	0.000
L38 2.5000-2.2500	2.3750	0.85	4.902	0.9800	0.891	A	0.000	0.891	0.891	100.00	0.489	0.000
						B	0.000	0.891		100.00	0.428	0.000
						C	0.000	0.891		100.00	0.159	0.000
L39 2.2500-0.0000	1.1226	0.85	4.902	0.9092	8.050	A	0.000	8.050	8.050	100.00	4.257	0.000
						B	0.000	8.050		100.00	3.719	0.000
						C	0.000	8.050		100.00	1.340	0.000

Tower Pressure - Service

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 117.0000-112.0000	114.4685	1.302	10.185	6.410	A	0.000	6.410	6.410	100.00	0.000	0.000
					B	0.000	6.410		100.00	0.000	0.000
					C	0.000	6.410		100.00	0.000	0.000
L2 112.0000-110.0000	110.9952	1.294	10.119	2.700	A	0.000	2.700	2.700	100.00	0.000	0.000
					B	0.000	2.700		100.00	0.000	0.000
					C	0.000	2.700		100.00	0.000	0.000
L3 110.0000-105.0000	107.4715	1.285	10.051	7.092	A	0.000	7.092	7.092	100.00	0.000	0.000
					B	0.000	7.092		100.00	3.320	0.000
					C	0.000	7.092		100.00	0.000	0.000
L4 105.0000-100.0000	102.4733	1.272	9.950	7.580	A	0.000	7.580	7.580	100.00	0.000	0.000
					B	0.000	7.580		100.00	3.320	0.000
					C	0.000	7.580		100.00	0.000	0.000
L5 100.0000-95.0000	97.4751	1.259	9.846	8.056	A	0.000	8.056	8.056	100.00	0.000	0.000
					B	0.000	8.056		100.00	3.320	0.000
					C	0.000	8.056		100.00	0.000	0.000
L6 95.0000-90.0000	92.4765	1.245	9.738	8.540	A	0.000	8.540	8.540	100.00	0.688	0.000
					B	0.000	8.540		100.00	3.320	0.000
					C	0.000	8.540		100.00	0.000	0.000
L7 90.0000-85.0000	87.4777	1.23	9.624	9.024	A	0.000	9.024	9.024	100.00	1.146	0.000
					B	0.000	9.024		100.00	3.337	0.000
					C	0.000	9.024		100.00	0.011	0.000
L8 85.0000-81.8800	83.4317	1.218	9.529	5.876	A	0.000	5.876	5.876	100.00	1.993	0.000
					B	0.000	5.876		100.00	2.176	0.000
					C	0.000	5.876		100.00	0.052	0.000
L9 81.8800-81.6300	81.7549	1.213	9.488	0.478	A	0.000	0.478	0.478	100.00	0.208	0.000
					B	0.000	0.478		100.00	0.174	0.000
					C	0.000	0.478		100.00	0.004	0.000
L10 81.6300-76.6300	79.1096	1.205	9.423	9.819	A	0.000	9.819	9.819	100.00	4.169	0.000
					B	0.000	9.819		100.00	3.494	0.000
					C	0.000	9.819		100.00	0.091	0.000
L11 76.6300-76.0800	76.3548	1.196	9.353	1.110	A	0.000	1.110	1.110	100.00	0.467	0.000
					B	0.000	1.110		100.00	0.393	0.000

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
					C	0.000	1.110		100.00	0.018	0.000
L12 76.0800-75.8300	75.9550	1.194	9.342	0.506	A	0.000	0.506	0.506	100.00	0.212	0.000
					B	0.000	0.506		100.00	0.178	0.000
					C	0.000	0.506		100.00	0.008	0.000
L13 75.8300-71.0000	73.3969	1.186	9.275	10.005	A	0.000	10.005	10.005	100.00	4.100	0.000
					B	0.000	10.005		100.00	3.449	0.000
					C	0.000	10.005		100.00	0.161	0.000
L14 71.0000-70.7500	70.8750	1.177	9.207	0.529	A	0.000	0.529	0.529	100.00	0.212	0.000
					B	0.000	0.529		100.00	0.178	0.000
					C	0.000	0.529		100.00	0.008	0.000
L15 70.7500-68.0800	69.4097	1.172	9.167	5.721	A	0.000	5.721	5.721	100.00	2.337	0.000
					B	0.000	5.721		100.00	1.934	0.000
					C	0.000	5.721		100.00	0.116	0.000
L16 68.0800-67.8300	67.9550	1.167	9.126	0.542	A	0.000	0.542	0.542	100.00	0.221	0.000
					B	0.000	0.542		100.00	0.183	0.000
					C	0.000	0.542		100.00	0.013	0.000
L17 67.8300-63.5000	65.6515	1.158	9.060	9.590	A	0.000	9.590	9.590	100.00	3.785	0.000
					B	0.000	9.590		100.00	3.098	0.000
					C	0.000	9.590		100.00	0.181	0.000
L18 63.5000-63.2500	63.3750	1.15	8.993	0.563	A	0.000	0.563	0.563	100.00	0.221	0.000
					B	0.000	0.563		100.00	0.178	0.000
					C	0.000	0.563		100.00	0.013	0.000
L19 63.2500-58.2500	60.7327	1.139	8.913	11.526	A	0.000	11.526	11.526	100.00	4.411	0.000
					B	0.000	11.526		100.00	3.570	0.000
					C	0.000	11.526		100.00	0.250	0.000
L20 58.2500-53.2500	55.7334	1.119	8.753	12.013	A	0.000	12.013	12.013	100.00	4.411	0.000
					B	0.000	12.013		100.00	3.570	0.000
					C	0.000	12.013		100.00	0.250	0.000
L21 53.2500-47.4200	50.3133	1.095	8.566	14.619	A	0.000	14.619	14.619	100.00	5.143	0.000
					B	0.000	14.619		100.00	4.163	0.000
					C	0.000	14.619		100.00	0.291	0.000
L22 47.4200-46.4200	46.9194	1.079	8.441	2.531	A	0.000	2.531	2.531	100.00	0.882	0.000
					B	0.000	2.531		100.00	0.714	0.000
					C	0.000	2.531		100.00	0.050	0.000
L23 46.4200-41.4200	43.9044	1.064	8.324	12.954	A	0.000	12.954	12.954	100.00	4.411	0.000
					B	0.000	12.954		100.00	3.570	0.000
					C	0.000	12.954		100.00	0.250	0.000
L24 41.4200-38.0800	39.7432	1.042	8.151	8.928	A	0.000	8.928	8.928	100.00	2.947	0.000
					B	0.000	8.928		100.00	2.385	0.000
					C	0.000	8.928		100.00	0.167	0.000
L25 38.0800-37.8300	37.9550	1.032	8.073	0.677	A	0.000	0.677	0.677	100.00	0.221	0.000
					B	0.000	0.677		100.00	0.178	0.000
					C	0.000	0.677		100.00	0.013	0.000
L26 37.8300-35.0000	36.4103	1.023	8.003	7.755	A	0.000	7.755	7.755	100.00	2.497	0.000
					B	0.000	7.755		100.00	2.021	0.000
					C	0.000	7.755		100.00	0.141	0.000
L27 35.0000-34.7500	34.8750	1.014	7.930	0.692	A	0.000	0.692	0.692	100.00	0.221	0.000
					B	0.000	0.692		100.00	0.178	0.000
					C	0.000	0.692		100.00	0.013	0.000
L28 34.7500-29.7500	32.2356	0.997	7.800	14.098	A	0.000	14.098	14.098	100.00	4.411	0.000
					B	0.000	14.098		100.00	3.570	0.000
					C	0.000	14.098		100.00	0.250	0.000
L29 29.7500-24.7500	27.2361	0.962	7.528	14.592	A	0.000	14.592	14.592	100.00	4.411	0.000
					B	0.000	14.592		100.00	3.570	0.000
					C	0.000	14.592		100.00	0.250	0.000
L30 24.7500-19.7500	22.2366	0.922	7.213	15.084	A	0.000	15.084	15.084	100.00	4.411	0.000
					B	0.000	15.084		100.00	3.570	0.000
					C	0.000	15.084		100.00	0.250	0.000
L31 19.7500-14.7500	17.2370	0.874	6.837	15.578	A	0.000	15.578	15.578	100.00	4.411	0.000
					B	0.000	15.578		100.00	3.570	0.000
					C	0.000	15.578		100.00	0.250	0.000
L32 14.7500-12.5000	13.6224	0.85	6.648	7.170	A	0.000	7.170	7.170	100.00	1.985	0.000
					B	0.000	7.170		100.00	1.607	0.000
					C	0.000	7.170		100.00	0.113	0.000
L33 12.5000-12.2500	12.3750	0.85	6.648	0.803	A	0.000	0.803	0.803	100.00	0.221	0.000
					B	0.000	0.803		100.00	0.178	0.000
					C	0.000	0.803		100.00	0.013	0.000
L34 12.2500-	11.6242	0.85	6.648	4.033	A	0.000	4.033	4.033	100.00	1.103	0.000

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
11.0000					B	0.000	4.033		100.00	0.892	0.000
					C	0.000	4.033		100.00	0.063	0.000
L35 11.0000-10.7500	10.8750	0.85	6.648	0.809	A	0.000	0.809	0.809	100.00	0.221	0.000
					B	0.000	0.809		100.00	0.178	0.000
					C	0.000	0.809		100.00	0.013	0.000
L36 10.7500-5.7500	8.2377	0.85	6.648	16.436	A	0.000	16.436	16.436	100.00	4.332	0.000
					B	0.000	16.436		100.00	3.570	0.000
					C	0.000	16.436		100.00	0.250	0.000
L37 5.7500-2.5000	4.1199	0.85	6.648	10.946	A	0.000	10.946	10.946	100.00	2.813	0.000
					B	0.000	10.946		100.00	2.321	0.000
					C	0.000	10.946		100.00	0.163	0.000
L38 2.5000-2.2500	2.3750	0.85	6.648	0.850	A	0.000	0.850	0.850	100.00	0.216	0.000
					B	0.000	0.850		100.00	0.178	0.000
					C	0.000	0.850		100.00	0.013	0.000
L39 2.2500-0.0000	1.1226	0.85	6.648	7.709	A	0.000	7.709	7.709	100.00	1.947	0.000
					B	0.000	7.709		100.00	1.607	0.000
					C	0.000	7.709		100.00	0.113	0.000

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

Comb. No.	Description
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	117 - 112	Pole	Max Tension	39	0.00	0.00	-0.00
			Max. Compression	26	-4.72	-0.01	0.01
			Max. Mx	8	-1.76	-16.34	0.01
			Max. My	2	-1.76	-0.01	16.35
			Max. Vy	8	3.10	-16.34	0.01
			Max. Vx	2	-3.11	-0.01	16.35
			Max. Torque	10			-0.00
L2	112 - 110	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-4.86	-0.01	0.02
			Max. Mx	8	-1.83	-22.67	0.01
			Max. My	2	-1.83	-0.01	22.69
			Max. Vy	8	3.23	-22.67	0.01
			Max. Vx	2	-3.23	-0.01	22.69
			Max. Torque	10			-0.00
L3	110 - 105	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-11.78	-0.90	1.09
			Max. Mx	8	-4.65	-58.76	0.55
			Max. My	2	-4.63	-0.41	59.11
			Max. Vy	8	7.29	-58.76	0.55
			Max. Vx	2	-7.33	-0.41	59.11
			Max. Torque	22			-0.45
L4	105 - 100	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-12.34	-1.00	1.16
			Max. Mx	8	-4.98	-96.10	0.53
			Max. My	2	-4.96	-0.41	96.63
			Max. Vy	8	7.63	-96.10	0.53
			Max. Vx	2	-7.67	-0.41	96.63
			Max. Torque	22			-0.45
L5	100 - 95	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-23.49	-0.51	1.53
			Max. Mx	8	-8.59	-170.26	0.70
			Max. My	2	-8.55	-0.41	171.37
			Max. Vy	8	14.27	-170.26	0.70
			Max. Vx	2	-14.33	-0.41	171.37
			Max. Torque	20			-0.54
L6	95 - 90	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-24.89	-0.39	1.76
			Max. Mx	8	-9.39	-244.98	1.36
			Max. My	2	-9.36	-1.24	246.03
			Max. Vy	20	-15.34	244.28	-0.35
			Max. Vx	14	15.32	0.90	-244.63
			Max. Torque	16			-1.24
L7	90 - 85	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36.02	-1.32	2.19
			Max. Mx	8	-14.44	-349.31	2.38
			Max. My	2	-14.40	-2.98	349.68
			Max. Vy	20	-22.31	347.82	-2.02
			Max. Vx	14	22.31	2.41	-348.59
			Max. Torque	16			-1.10
L8	85 - 81.88	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.47	-2.66	2.29
			Max. Mx	8	-15.27	-420.34	3.02
			Max. My	2	-15.22	-4.13	420.46
			Max. Vy	20	-22.93	418.18	-3.09
			Max. Vx	14	23.09	3.32	-419.58
			Max. Torque	22			-1.11

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L9	81.88 - 81.63	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.53	-2.66	2.30
			Max. Mx	8	-15.34	-426.06	3.07
			Max. My	2	-15.28	-4.20	426.21
			Max. Vy	20	-22.94	423.91	-3.17
			Max. Vx	14	23.11	3.42	-425.35
			Max. Torque	22			-1.11
L10	81.63 - 76.63	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-38.86	-2.70	2.46
			Max. Mx	8	-16.36	-541.39	4.08
			Max. My	2	-16.29	-5.47	542.96
			Max. Vy	20	-23.29	539.40	-4.85
			Max. Vx	14	23.76	5.40	-542.43
			Max. Torque	22			-1.11
L11	76.63 - 76.08	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.01	-2.71	2.48
			Max. Mx	8	-16.49	-554.19	4.20
			Max. My	2	-16.41	-5.61	556.00
			Max. Vy	20	-23.33	552.22	-5.04
			Max. Vx	14	23.83	5.62	-555.51
			Max. Torque	22			-1.11
L12	76.08 - 75.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.09	-2.71	2.49
			Max. Mx	8	-16.56	-560.01	4.25
			Max. My	2	-16.48	-5.68	561.94
			Max. Vy	20	-23.35	558.05	-5.12
			Max. Vx	14	23.86	5.72	-561.46
			Max. Torque	22			-1.11
L13	75.83 - 71	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.63	-2.74	2.65
			Max. Mx	8	-17.72	-673.43	5.22
			Max. My	2	-17.63	-6.91	678.36
			Max. Vy	20	-23.72	671.62	-6.74
			Max. Vx	14	24.52	7.63	-678.20
			Max. Torque	22			-1.11
L14	71 - 70.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.72	-2.74	2.66
			Max. Mx	8	-17.81	-679.35	5.27
			Max. My	2	-17.72	-6.97	684.47
			Max. Vy	20	-23.73	677.55	-6.83
			Max. Vx	14	24.55	7.73	-684.33
			Max. Torque	22			-1.11
L15	70.75 - 68.08	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.76	-2.75	2.76
			Max. Mx	8	-18.58	-742.89	5.81
			Max. My	14	-18.48	8.79	-750.35
			Max. Vy	20	-23.96	741.18	-7.72
			Max. Vx	14	24.94	8.79	-750.35
			Max. Torque	22			-1.11
L16	68.08 - 67.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.85	-2.75	2.77
			Max. Mx	8	-18.66	-748.87	5.86
			Max. My	14	-18.56	8.89	-756.59
			Max. Vy	20	-23.98	747.17	-7.81
			Max. Vx	14	24.97	8.89	-756.59
			Max. Torque	22			-1.11
L17	67.83 - 63.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43.45	-2.76	2.92
			Max. Mx	8	-19.86	-853.29	6.74
			Max. My	14	-19.75	10.59	-866.01
			Max. Vy	20	-24.34	851.73	-9.26
			Max. Vx	14	25.61	10.59	-866.01
			Max. Torque	22			-1.11

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L18	63.5 - 63.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43.56	-2.76	2.93
			Max. Mx	8	-19.96	-859.36	6.79
			Max. My	14	-19.85	10.69	-872.42
			Max. Vy	20	-24.37	857.82	-9.34
			Max. Vx	14	25.64	10.69	-872.42
			Max. Torque	22			-1.11
L19	63.25 - 58.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.72	-2.76	3.09
			Max. Mx	8	-21.61	-982.07	7.80
			Max. My	14	-21.50	12.66	-1002.44
			Max. Vy	20	-24.81	980.68	-11.02
			Max. Vx	14	26.41	12.66	-1002.44
			Max. Torque	22			-1.11
L20	58.25 - 53.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.90	-2.75	3.26
			Max. Mx	8	-23.31	-1107.00	8.81
			Max. My	14	-23.18	14.64	-1136.26
			Max. Vy	20	-25.26	1105.77	-12.69
			Max. Vx	14	27.16	14.64	-1136.26
			Max. Torque	22			-1.11
L21	53.25 - 47.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.46	-2.75	3.30
			Max. Mx	8	-23.73	-1138.58	9.06
			Max. My	14	-23.61	15.13	-1170.31
			Max. Vy	20	-25.37	1137.39	-13.10
			Max. Vx	14	27.35	15.13	-1170.31
			Max. Torque	22			-1.11
L22	47.42 - 46.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.54	-2.73	3.47
			Max. Mx	8	-26.99	-1281.51	10.20
			Max. My	14	-26.86	17.33	-1325.45
			Max. Vy	20	-25.94	1280.50	-14.97
			Max. Vx	14	28.28	17.33	-1325.45
			Max. Torque	22			-1.11
L23	46.42 - 41.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.85	-2.72	3.62
			Max. Mx	8	-28.82	-1412.05	11.21
			Max. My	14	-28.70	19.29	-1468.52
			Max. Vy	20	-26.37	1411.19	-16.64
			Max. Vx	14	29.00	19.29	-1468.52
			Max. Torque	22			-1.11
L24	41.42 - 38.08	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56.41	-2.71	3.73
			Max. Mx	8	-30.07	-1500.42	11.89
			Max. My	14	-29.94	20.60	-1566.10
			Max. Vy	20	-26.65	1499.66	-17.75
			Max. Vx	14	29.48	20.60	-1566.10
			Max. Torque	22			-1.11
L25	38.08 - 37.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56.52	-2.71	3.74
			Max. Mx	8	-30.16	-1507.07	11.94
			Max. My	14	-30.04	20.70	-1573.46
			Max. Vy	20	-26.67	1506.32	-17.83
			Max. Vx	14	29.51	20.70	-1573.46
			Max. Torque	22			-1.11
L26	37.83 - 35	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.80	-2.70	3.83
			Max. Mx	8	-31.17	-1582.73	12.51
			Max. My	14	-31.05	21.81	-1657.47
			Max. Vy	20	-26.90	1582.06	-18.77
			Max. Vx	14	29.91	21.81	-1657.47

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	22			-1.11
L27	35 - 34.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.93	-2.70	3.84
			Max. Mx	8	-31.28	-1589.44	12.56
			Max. My	14	-31.17	21.91	-1664.95
			Max. Vy	20	-26.92	1588.79	-18.85
			Max. Vx	14	29.93	21.91	-1664.95
			Max. Torque	22			-1.11
L28	34.75 - 29.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.39	-2.68	4.00
			Max. Mx	8	-33.26	-1724.81	13.58
			Max. My	14	-33.15	23.86	-1816.26
			Max. Vy	20	-27.33	1724.30	-20.51
			Max. Vx	14	30.64	23.86	-1816.26
			Max. Torque	22			-1.11
L29	29.75 - 24.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.88	-2.67	4.16
			Max. Mx	8	-35.27	-1862.19	14.59
			Max. My	14	-35.18	25.81	-1971.01
			Max. Vy	20	-27.73	1861.83	-22.16
			Max. Vx	14	31.32	25.81	-1971.01
			Max. Torque	22			-1.11
L30	24.75 - 19.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.39	-2.66	4.33
			Max. Mx	8	-37.32	-2001.52	15.60
			Max. My	14	-37.24	27.75	-2128.70
			Max. Vy	20	-28.11	2001.31	-23.80
			Max. Vx	14	31.82	27.75	-2128.70
			Max. Torque	22			-1.11
L31	19.75 - 14.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67.91	-2.64	4.51
			Max. Mx	8	-39.39	-2142.69	16.60
			Max. My	14	-39.33	29.68	-2288.82
			Max. Vy	20	-28.46	2142.62	-25.43
			Max. Vx	14	32.29	29.68	-2288.82
			Max. Torque	22			-1.11
L32	14.75 - 12.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.06	-2.64	4.58
			Max. Mx	8	-40.33	-2206.79	17.05
			Max. My	14	-40.29	30.54	-2361.64
			Max. Vy	20	-28.62	2206.79	-26.16
			Max. Vx	14	32.50	30.54	-2361.64
			Max. Torque	22			-1.11
L33	12.5 - 12.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.19	-2.64	4.59
			Max. Mx	20	-40.45	2213.94	-26.25
			Max. My	14	-40.41	30.64	-2369.76
			Max. Vy	20	-28.63	2213.94	-26.25
			Max. Vx	14	32.51	30.64	-2369.76
			Max. Torque	22			-1.11
L34	12.25 - 11	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.84	-2.64	4.64
			Max. Mx	20	-40.98	2249.76	-26.65
			Max. My	14	-40.94	31.12	-2410.44
			Max. Vy	20	-28.73	2249.76	-26.65
			Max. Vx	14	32.64	31.12	-2410.44
			Max. Torque	22			-1.11
L35	11 - 10.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.98	-2.64	4.65
			Max. Mx	20	-41.11	2256.94	-26.73
			Max. My	14	-41.07	31.21	-2418.60
			Max. Vy	20	-28.73	2256.94	-26.73
			Max. Vx	14	32.65	31.21	-2418.60
			Max. Torque	22			-1.11
L36	10.75 - 5.75	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
			Max. Compression	26	-72.89	-2.65	4.80
			Max. Mx	20	-43.59	2401.47	-28.35
			Max. My	14	-43.57	33.13	-2582.94
			Max. Vy	20	-29.12	2401.47	-28.35
			Max. Vx	14	33.14	33.13	-2582.94
			Max. Torque	22			-1.11
L37	5.75 - 2.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.78	-2.65	4.90
			Max. Mx	20	-45.22	2496.42	-29.40
			Max. My	14	-45.21	34.36	-2691.05
			Max. Vy	20	-29.36	2496.42	-29.40
			Max. Vx	14	33.45	34.36	-2691.05
			Max. Torque	22			-1.11
L38	2.5 - 2.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.93	-2.65	4.91
			Max. Mx	20	-45.36	2503.76	-29.48
			Max. My	14	-45.35	34.46	-2699.41
			Max. Vy	20	-29.37	2503.76	-29.48
			Max. Vx	14	33.46	34.46	-2699.41
			Max. Torque	22			-1.11
L39	2.25 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.25	-2.66	4.98
			Max. Mx	20	-46.53	2570.02	-30.20
			Max. My	14	-46.53	35.31	-2774.90
			Max. Vy	20	-29.56	2570.02	-30.20
			Max. Vx	14	33.69	35.31	-2774.90
			Max. Torque	22			-1.11

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	76.25	0.00	-0.00
	Max. H_x	21	34.90	29.54	-0.34
	Max. H_z	2	46.54	-0.24	33.60
	Max. M_x	2	2770.82	-0.24	33.60
	Max. M_z	8	2569.68	-29.50	0.18
	Max. Torsion	10	0.98	-25.49	-14.45
	Min. Vert	3	34.90	-0.24	33.59
	Min. H_x	9	34.90	-29.50	0.18
	Min. H_z	15	34.90	0.39	-33.68
	Min. M_x	14	-2774.90	0.39	-33.68
	Min. M_z	20	-2570.02	29.54	-0.34
	Min. Torsion	22	-1.11	25.59	14.42

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	38.78	-0.00	0.00	-1.58	-1.56	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	46.54	0.24	-33.60	-2770.82	-24.85	0.18
0.9 Dead+1.0 Wind 0 deg - No Ice	34.90	0.24	-33.59	-2748.77	-24.16	0.16
1.2 Dead+1.0 Wind 30 deg - No Ice	46.54	14.91	-25.59	-2230.41	-1301.46	-0.04
0.9 Dead+1.0 Wind 30 deg - No Ice	34.90	14.91	-25.59	-2212.05	-1290.55	-0.05
1.2 Dead+1.0 Wind 60 deg - No Ice	46.54	25.63	-14.87	-1298.07	-2234.10	-0.61
0.9 Dead+1.0 Wind 60 deg - No Ice	34.90	25.63	-14.87	-1287.18	-2215.72	-0.60

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
1.2 Dead+1.0 Wind 90 deg - No Ice	46.54	29.50	-0.18	-19.55	-2569.68	-0.92
0.9 Dead+1.0 Wind 90 deg - No Ice	34.90	29.50	-0.18	-18.90	-2548.62	-0.90
1.2 Dead+1.0 Wind 120 deg - No Ice	46.54	25.49	14.45	1253.52	-2220.07	-0.98
0.9 Dead+1.0 Wind 120 deg - No Ice	34.90	25.49	14.45	1243.97	-2201.80	-0.96
1.2 Dead+1.0 Wind 150 deg - No Ice	46.54	16.16	28.46	2373.31	-1347.08	-0.02
0.9 Dead+1.0 Wind 150 deg - No Ice	34.90	16.16	28.46	2355.28	-1336.07	0.01
1.2 Dead+1.0 Wind 180 deg - No Ice	46.54	-0.39	33.68	2774.90	35.31	0.55
0.9 Dead+1.0 Wind 180 deg - No Ice	34.90	-0.39	33.68	2753.87	35.54	0.58
1.2 Dead+1.0 Wind 210 deg - No Ice	46.54	-15.00	25.61	2227.83	1305.72	0.45
0.9 Dead+1.0 Wind 210 deg - No Ice	34.90	-15.00	25.61	2210.49	1295.77	0.46
1.2 Dead+1.0 Wind 240 deg - No Ice	46.54	-25.65	14.94	1300.75	2231.45	0.72
0.9 Dead+1.0 Wind 240 deg - No Ice	34.90	-25.65	14.94	1290.84	2214.09	0.72
1.2 Dead+1.0 Wind 270 deg - No Ice	46.54	-29.54	0.34	30.20	2570.02	1.04
0.9 Dead+1.0 Wind 270 deg - No Ice	34.90	-29.54	0.34	30.47	2549.97	1.02
1.2 Dead+1.0 Wind 300 deg - No Ice	46.54	-25.59	-14.42	-1254.79	2225.74	1.11
0.9 Dead+1.0 Wind 300 deg - No Ice	34.90	-25.59	-14.42	-1244.23	2208.42	1.08
1.2 Dead+1.0 Wind 330 deg - No Ice	46.54	-16.29	-28.37	-2368.55	1355.97	0.22
0.9 Dead+1.0 Wind 330 deg - No Ice	34.90	-16.29	-28.37	-2349.56	1345.89	0.19
1.2 Dead+1.0 Ice+1.0 Temp	76.25	-0.00	0.00	-4.98	-2.66	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	76.25	0.05	-8.39	-748.65	-7.61	0.14
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	76.25	3.86	-6.64	-614.03	-356.99	0.05
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	76.25	6.65	-3.85	-358.76	-612.35	-0.15
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	76.25	7.65	-0.04	-8.88	-704.52	-0.29
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	76.25	6.61	3.76	339.74	-609.21	-0.35
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	76.25	4.04	7.09	631.96	-364.71	-0.15
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	76.25	-0.08	8.41	740.28	5.40	0.02
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	76.25	-3.88	6.64	604.24	353.40	0.04
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	76.25	-6.65	3.87	350.06	607.26	0.17
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	76.25	-7.66	0.07	1.89	700.12	0.31
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	76.25	-6.64	-3.76	-349.35	605.96	0.37
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	76.25	-4.07	-7.07	-640.27	362.08	0.19
Dead+Wind 0 deg - Service	38.78	0.06	-7.91	-650.68	-7.00	0.04
Dead+Wind 30 deg - Service	38.78	3.51	-6.03	-524.00	-306.24	-0.01
Dead+Wind 60 deg - Service	38.78	6.04	-3.50	-305.46	-524.86	-0.14
Dead+Wind 90 deg - Service	38.78	6.94	-0.04	-5.77	-603.41	-0.22
Dead+Wind 120 deg - Service	38.78	6.00	3.40	292.64	-521.56	-0.23
Dead+Wind 150 deg - Service	38.78	3.81	6.70	555.21	-316.98	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
Dead+Wind 180 deg - Service	38.78	-0.09	7.93	649.27	7.11	0.14
Dead+Wind 210 deg - Service	38.78	-3.53	6.03	521.03	304.90	0.11
Dead+Wind 240 deg - Service	38.78	-6.04	3.52	303.72	521.89	0.17
Dead+Wind 270 deg - Service	38.78	-6.95	0.08	5.89	601.16	0.24
Dead+Wind 300 deg - Service	38.78	-6.02	-3.40	-295.31	520.54	0.26
Dead+Wind 330 deg - Service	38.78	-3.84	-6.68	-556.46	316.72	0.05

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.00	-38.78	0.00	0.00	38.78	-0.00	0.001%
2	0.24	-46.54	-33.60	-0.24	46.54	33.60	0.001%
3	0.24	-34.90	-33.60	-0.24	34.90	33.59	0.001%
4	14.91	-46.54	-25.59	-14.91	46.54	25.59	0.000%
5	14.91	-34.90	-25.59	-14.91	34.90	25.59	0.000%
6	25.63	-46.54	-14.87	-25.63	46.54	14.87	0.000%
7	25.63	-34.90	-14.87	-25.63	34.90	14.87	0.000%
8	29.50	-46.54	-0.18	-29.50	46.54	0.18	0.001%
9	29.50	-34.90	-0.18	-29.50	34.90	0.18	0.000%
10	25.49	-46.54	14.45	-25.49	46.54	-14.45	0.000%
11	25.49	-34.90	14.45	-25.49	34.90	-14.45	0.000%
12	16.16	-46.54	28.46	-16.16	46.54	-28.46	0.000%
13	16.16	-34.90	28.46	-16.16	34.90	-28.46	0.000%
14	-0.39	-46.54	33.68	0.39	46.54	-33.68	0.001%
15	-0.39	-34.90	33.68	0.39	34.90	-33.68	0.000%
16	-15.00	-46.54	25.61	15.00	46.54	-25.61	0.000%
17	-15.00	-34.90	25.61	15.00	34.90	-25.61	0.000%
18	-25.65	-46.54	14.94	25.65	46.54	-14.94	0.000%
19	-25.65	-34.90	14.94	25.65	34.90	-14.94	0.000%
20	-29.54	-46.54	0.34	29.54	46.54	-0.34	0.002%
21	-29.54	-34.90	0.34	29.54	34.90	-0.34	0.001%
22	-25.59	-46.54	-14.42	25.59	46.54	14.42	0.000%
23	-25.59	-34.90	-14.42	25.59	34.90	14.42	0.000%
24	-16.29	-46.54	-28.37	16.29	46.54	28.37	0.000%
25	-16.29	-34.90	-28.37	16.29	34.90	28.37	0.000%
26	0.00	-76.25	0.00	0.00	76.25	-0.00	0.000%
27	0.05	-76.25	-8.39	-0.05	76.25	8.39	0.000%
28	3.86	-76.25	-6.64	-3.86	76.25	6.64	0.000%
29	6.65	-76.25	-3.85	-6.65	76.25	3.85	0.000%
30	7.65	-76.25	-0.04	-7.65	76.25	0.04	0.000%
31	6.61	-76.25	3.76	-6.61	76.25	-3.76	0.000%
32	4.04	-76.25	7.09	-4.04	76.25	-7.09	0.000%
33	-0.08	-76.25	8.41	0.08	76.25	-8.41	0.000%
34	-3.88	-76.25	6.64	3.88	76.25	-6.64	0.000%
35	-6.65	-76.25	3.87	6.65	76.25	-3.87	0.000%
36	-7.66	-76.25	0.07	7.66	76.25	-0.07	0.000%
37	-6.64	-76.25	-3.76	6.64	76.25	3.76	0.000%
38	-4.07	-76.25	-7.07	4.07	76.25	7.07	0.000%
39	0.06	-38.78	-7.91	-0.06	38.78	7.91	0.003%
40	3.51	-38.78	-6.03	-3.51	38.78	6.03	0.000%
41	6.04	-38.78	-3.50	-6.04	38.78	3.50	0.000%
42	6.95	-38.78	-0.04	-6.94	38.78	0.04	0.003%
43	6.00	-38.78	3.40	-6.00	38.78	-3.40	0.000%
44	3.81	-38.78	6.70	-3.81	38.78	-6.70	0.000%
45	-0.09	-38.78	7.93	0.09	38.78	-7.93	0.003%
46	-3.53	-38.78	6.03	3.53	38.78	-6.03	0.000%
47	-6.04	-38.78	3.52	6.04	38.78	-3.52	0.000%
48	-6.96	-38.78	0.08	6.95	38.78	-0.08	0.003%
49	-6.02	-38.78	-3.40	6.02	38.78	3.40	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
50	-3.84	-38.78	-6.68	3.84	38.78	6.68	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000849
2	Yes	15	0.00000001	0.00007269
3	Yes	14	0.00000001	0.00013507
4	Yes	18	0.00000001	0.00008948
5	Yes	18	0.00000001	0.00006459
6	Yes	18	0.00000001	0.00009079
7	Yes	18	0.00000001	0.00006557
8	Yes	15	0.00000001	0.00011248
9	Yes	15	0.00000001	0.00008534
10	Yes	18	0.00000001	0.00008343
11	Yes	18	0.00000001	0.00006042
12	Yes	18	0.00000001	0.00009276
13	Yes	18	0.00000001	0.00006641
14	Yes	15	0.00000001	0.00009944
15	Yes	15	0.00000001	0.00007767
16	Yes	18	0.00000001	0.00009030
17	Yes	18	0.00000001	0.00006538
18	Yes	18	0.00000001	0.00008770
19	Yes	18	0.00000001	0.00006343
20	Yes	14	0.00000001	0.00011673
21	Yes	14	0.00000001	0.00008467
22	Yes	18	0.00000001	0.00008814
23	Yes	18	0.00000001	0.00006384
24	Yes	18	0.00000001	0.00009243
25	Yes	18	0.00000001	0.00006626
26	Yes	11	0.00000001	0.00014613
27	Yes	17	0.00000001	0.00008781
28	Yes	17	0.00000001	0.00009792
29	Yes	17	0.00000001	0.00009796
30	Yes	17	0.00000001	0.00008518
31	Yes	17	0.00000001	0.00009454
32	Yes	17	0.00000001	0.00009785
33	Yes	17	0.00000001	0.00008593
34	Yes	17	0.00000001	0.00009466
35	Yes	17	0.00000001	0.00009453
36	Yes	17	0.00000001	0.00008374
37	Yes	17	0.00000001	0.00009544
38	Yes	17	0.00000001	0.00009843
39	Yes	12	0.00000001	0.00010586
40	Yes	14	0.00000001	0.00008897
41	Yes	14	0.00000001	0.00009354
42	Yes	12	0.00000001	0.00012652
43	Yes	14	0.00000001	0.00007837
44	Yes	14	0.00000001	0.00009351
45	Yes	12	0.00000001	0.00011024
46	Yes	14	0.00000001	0.00009008
47	Yes	14	0.00000001	0.00008267
48	Yes	12	0.00000001	0.00011968
49	Yes	14	0.00000001	0.00009231
50	Yes	14	0.00000001	0.00009146

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	117 - 112	15.6998	39	1.3679	0.0034
L2	112 - 110	14.2724	39	1.3558	0.0034
L3	110 - 105	13.7064	39	1.3468	0.0034
L4	105 - 100	12.3157	39	1.3050	0.0030

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L5	100 - 95	10.9812	39	1.2409	0.0026
L6	95 - 90	9.7163	39	1.1710	0.0023
L7	90 - 85	8.5357	39	1.0812	0.0018
L8	85 - 81.88	7.4578	39	0.9739	0.0014
L9	81.88 - 81.63	6.8461	39	0.8970	0.0012
L10	81.63 - 76.63	6.7993	39	0.8924	0.0012
L11	76.63 - 76.08	5.9146	39	0.7958	0.0009
L12	76.08 - 75.83	5.8235	39	0.7848	0.0009
L13	75.83 - 71	5.7826	39	0.7808	0.0009
L14	71 - 70.75	5.0328	39	0.7008	0.0007
L15	70.75 - 68.08	4.9962	39	0.6979	0.0007
L16	68.08 - 67.83	4.6149	39	0.6655	0.0006
L17	67.83 - 63.5	4.5802	39	0.6627	0.0006
L18	63.5 - 63.25	4.0026	39	0.6110	0.0005
L19	63.25 - 58.25	3.9706	39	0.6086	0.0005
L20	58.25 - 53.25	3.3594	39	0.5586	0.0005
L21	53.25 - 47.42	2.8015	39	0.5070	0.0004
L22	52 - 46.42	2.6704	39	0.4941	0.0004
L23	46.42 - 41.42	2.1105	39	0.4595	0.0003
L24	41.42 - 38.08	1.6576	39	0.4056	0.0003
L25	38.08 - 37.83	1.3865	39	0.3695	0.0003
L26	37.83 - 35	1.3672	39	0.3666	0.0002
L27	35 - 34.75	1.1596	39	0.3340	0.0002
L28	34.75 - 29.75	1.1421	39	0.3315	0.0002
L29	29.75 - 24.75	0.8219	39	0.2803	0.0002
L30	24.75 - 19.75	0.5554	39	0.2287	0.0001
L31	19.75 - 14.75	0.3428	39	0.1775	0.0001
L32	14.75 - 12.5	0.1841	39	0.1258	0.0001
L33	12.5 - 12.25	0.1302	39	0.1030	0.0001
L34	12.25 - 11	0.1249	39	0.1005	0.0001
L35	11 - 10.75	0.1002	39	0.0881	0.0000
L36	10.75 - 5.75	0.0956	39	0.0861	0.0000
L37	5.75 - 2.5	0.0269	39	0.0452	0.0000
L38	2.5 - 2.25	0.0050	39	0.0192	0.0000
L39	2.25 - 0	0.0041	39	0.0173	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
117.0000	APXVSPP18-C-A20 w/ Mount Pipe	39	15.6998	1.3679	0.0034	13960
115.0000	800 EXTERNAL NOTCH FILTER	39	15.1276	1.3641	0.0034	13960
110.0000	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	39	13.7064	1.3468	0.0034	9768
100.0000	(2) DB844G65ZAXY w/ Mount Pipe	39	10.9812	1.2409	0.0026	4300
95.0000	VHLP1-23	39	9.7163	1.1710	0.0023	3568
94.0000	VHLP2-11	39	9.4729	1.1546	0.0022	3426
93.0000	Pipe Mount [PM 601-3]	39	9.2330	1.1373	0.0021	3289
92.0000	VHLP1-23	39	8.9967	1.1191	0.0020	3157
89.0000	RRUS 32 B30	39	8.3112	1.0619	0.0017	2800
84.0000	800 10504 w/ Mount Pipe	39	7.2563	0.9476	0.0014	2485

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	117 - 112	66.7502	2	5.8078	0.0135
L2	112 - 110	60.7001	14	5.7563	0.0135
L3	110 - 105	58.3074	14	5.7179	0.0135
L4	105 - 100	52.4233	14	5.5456	0.0119
L5	100 - 95	46.7673	14	5.2770	0.0107

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L6	95 - 90	41.3990	14	4.9823	0.0095
L7	90 - 85	36.3819	14	4.6025	0.0076
L8	85 - 81.88	31.7964	14	4.1486	0.0060
L9	81.88 - 81.63	29.1923	14	3.8229	0.0051
L10	81.63 - 76.63	28.9928	14	3.8032	0.0050
L11	76.63 - 76.08	25.2240	14	3.3929	0.0039
L12	76.08 - 75.83	24.8360	14	3.3460	0.0038
L13	75.83 - 71	24.6614	14	3.3292	0.0037
L14	71 - 70.75	21.4657	14	2.9889	0.0030
L15	70.75 - 68.08	21.3096	14	2.9764	0.0030
L16	68.08 - 67.83	19.6841	14	2.8387	0.0027
L17	67.83 - 63.5	19.5359	14	2.8266	0.0027
L18	63.5 - 63.25	17.0730	14	2.6062	0.0023
L19	63.25 - 58.25	16.9368	14	2.5962	0.0023
L20	58.25 - 53.25	14.3302	14	2.3831	0.0020
L21	53.25 - 47.42	11.9504	14	2.1629	0.0017
L22	52 - 46.42	11.3915	14	2.1078	0.0016
L23	46.42 - 41.42	9.0029	14	1.9606	0.0015
L24	41.42 - 38.08	7.0708	14	1.7304	0.0012
L25	38.08 - 37.83	5.9144	14	1.5764	0.0011
L26	37.83 - 35	5.8322	14	1.5642	0.0011
L27	35 - 34.75	4.9464	14	1.4251	0.0009
L28	34.75 - 29.75	4.8720	14	1.4143	0.0009
L29	29.75 - 24.75	3.5058	14	1.1959	0.0008
L30	24.75 - 19.75	2.3691	14	0.9757	0.0006
L31	19.75 - 14.75	1.4622	14	0.7570	0.0004
L32	14.75 - 12.5	0.7852	14	0.5368	0.0003
L33	12.5 - 12.25	0.5552	14	0.4394	0.0002
L34	12.25 - 11	0.5325	14	0.4286	0.0002
L35	11 - 10.75	0.4272	14	0.3756	0.0002
L36	10.75 - 5.75	0.4078	14	0.3670	0.0002
L37	5.75 - 2.5	0.1149	14	0.1929	0.0001
L38	2.5 - 2.25	0.0215	14	0.0820	0.0000
L39	2.25 - 0	0.0174	14	0.0738	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
117.0000	APXVSPP18-C-A20 w/ Mount Pipe	2	66.7502	5.8078	0.0143	3396
115.0000	800 EXTERNAL NOTCH FILTER	2	64.3248	5.7917	0.0143	3396
110.0000	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	14	58.3074	5.7179	0.0143	2413
100.0000	(2) DB844G65ZAXY w/ Mount Pipe	14	46.7673	5.2770	0.0108	1041
95.0000	VHLP1-23	14	41.3990	4.9823	0.0095	856
94.0000	VHLP2-11	14	40.3651	4.9131	0.0092	822
93.0000	Pipe Mount [PM 601-3]	14	39.3458	4.8396	0.0088	788
92.0000	VHLP1-23	14	38.3417	4.7628	0.0084	756
89.0000	RRUS 32 B30	14	35.4274	4.5203	0.0072	671
84.0000	800 10504 w/ Mount Pipe	14	30.9389	4.0374	0.0057	593

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K
L1	117 - 112 (1)	TP15.4886x14.36x0.1875	5.0000	0.0000	0.0	9.2380	-1.76
L2	112 - 110 (2)	TP15.94x15.4886x0.1875	2.0000	0.0000	0.0	9.5106	-1.83
L3	110 - 105 (3)	TP17.07x15.94x0.1875	5.0000	0.0000	0.0	10.1928	-4.63
L4	105 - 100 (4)	TP18.2x17.07x0.1875	5.0000	0.0000	0.0	10.8750	-4.96

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K
L5	100 - 95 (5)	TP19.3221x18.2x0.25	5.0000	0.0000	0.0	15.3530	-8.55
L6	95 - 90 (6)	TP20.4442x19.3221x0.25	5.0000	0.0000	0.0	16.2563	-9.38
L7	90 - 85 (7)	TP21.5663x20.4442x0.25	5.0000	0.0000	0.0	17.1596	-14.43
L8	85 - 81.88 (8)	TP22.2665x21.5663x0.25	3.1200	0.0000	0.0	17.7233	-15.25
L9	81.88 - 81.63 (9)	TP22.3226x22.2665x0.35	0.2500	0.0000	0.0	24.7631	-15.32
L10	81.63 - 76.63 (10)	TP23.4447x22.3226x0.3563	5.0000	0.0000	0.0	26.4853	-16.35
L11	76.63 - 76.08 (11)	TP23.5681x23.4447x0.3563	0.5500	0.0000	0.0	26.6269	-16.47
L12	76.08 - 75.83 (12)	TP23.6242x23.5681x0.4625	0.2500	0.0000	0.0	34.4936	-16.54
L13	75.83 - 71 (13)	TP24.7082x23.6242x0.4563	4.8300	0.0000	0.0	35.6291	-17.63
L14	71 - 70.75 (14)	TP24.7643x24.7082x0.675	0.2500	0.0000	0.0	52.3581	-17.72
L15	70.75 - 68.08 (15)	TP25.3635x24.7643x0.6625	2.6700	0.0000	0.0	52.6934	-18.48
L16	68.08 - 67.83 (16)	TP25.4196x25.3635x0.7125	0.2500	0.0000	0.0	56.6842	-18.56
L17	67.83 - 63.5 (17)	TP26.3913x25.4196x0.6875	4.3300	0.0000	0.0	56.9018	-19.75
L18	63.5 - 63.25 (18)	TP26.4474x26.3913x0.9	0.2500	0.0000	0.0	74.0365	-19.85
L19	63.25 - 58.25 (19)	TP27.5695x26.4474x0.85	5.0000	0.0000	0.0	73.1314	-21.50
L20	58.25 - 53.25 (20)	TP28.6916x27.5695x0.825	5.0000	0.0000	0.0	74.0277	-23.18
L21	53.25 - 47.42 (21)	TP30x28.6916x0.825	5.8300	0.0000	0.0	74.7729	-23.61
L22	47.42 - 46.42 (22)	TP29.7414x28.4722x0.8438	5.5800	0.0000	0.0	78.5112	-26.86
L23	46.42 - 41.42 (23)	TP30.8787x29.7414x0.8188	5.0000	0.0000	0.0	79.2492	-28.70
L24	41.42 - 38.08 (24)	TP31.6384x30.8787x0.8063	3.3400	0.0000	0.0	80.0441	-29.94
L25	38.08 - 37.83 (25)	TP31.6952x31.6384x0.7563	0.2500	0.0000	0.0	75.3403	-30.04
L26	37.83 - 35 (26)	TP32.339x31.6952x0.7438	2.8300	0.0000	0.0	75.6666	-31.05
L27	35 - 34.75 (27)	TP32.3958x32.339x0.8438	0.2500	0.0000	0.0	85.7230	-31.17
L28	34.75 - 29.75 (28)	TP33.5331x32.3958x0.8313	5.0000	0.0000	0.0	87.5306	-33.15
L29	29.75 - 24.75 (29)	TP34.6704x33.5331x0.8063	5.0000	0.0000	0.0	87.9156	-35.18
L30	24.75 - 19.75 (30)	TP35.8077x34.6704x0.7938	5.0000	0.0000	0.0	89.4913	-37.24
L31	19.75 - 14.75 (31)	TP36.945x35.8077x0.7688	5.0000	0.0000	0.0	89.5498	-39.33
L32	14.75 - 12.5 (32)	TP37.4568x36.945x0.7688	2.2500	0.0000	0.0	90.8166	-40.29
L33	12.5 - 12.25 (33)	TP37.5136x37.4568x0.7688	0.2500	0.0000	0.0	90.9574	-40.41
L34	12.25 - 11 (34)	TP37.798x37.5136x0.7688	1.2500	0.0000	0.0	91.6612	-40.94
L35	11 - 10.75 (35)	TP37.8548x37.798x0.9688	0.2500	0.0000	0.0	115.0610	-41.07
L36	10.75 - 5.75 (36)	TP38.9921x37.8548x0.9438	5.0000	0.0000	0.0	115.6240	-43.57
L37	5.75 - 2.5 (37)	TP39.7314x38.9921x0.9438	3.2500	0.0000	0.0	117.8710	-45.21
L38	2.5 - 2.25 (38)	TP39.7882x39.7314x0.9688	0.2500	0.0000	0.0	121.0920	-45.35
L39	2.25 - 0 (39)	TP40.3x39.7882x0.9688	2.2500	0.0000	0.0	122.6890	-46.53

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	M_{uy} kip-ft
L1	117 - 112 (1)	TP15.4886x14.36x0.1875	16.35	0.00
L2	112 - 110 (2)	TP15.94x15.4886x0.1875	22.69	0.00
L3	110 - 105 (3)	TP17.07x15.94x0.1875	59.11	0.00
L4	105 - 100 (4)	TP18.2x17.07x0.1875	96.63	0.00
L5	100 - 95 (5)	TP19.3221x18.2x0.25	171.37	0.00
L6	95 - 90 (6)	TP20.4442x19.3221x0.25	246.25	0.00
L7	90 - 85 (7)	TP21.5663x20.4442x0.25	351.00	0.00
L8	85 - 81.88 (8)	TP22.2665x21.5663x0.25	422.33	0.00
L9	81.88 - 81.63 (9)	TP22.3226x22.2665x0.35	428.09	0.00
L10	81.63 - 76.63 (10)	TP23.4447x22.3226x0.3563	544.16	0.00
L11	76.63 - 76.08 (11)	TP23.5681x23.4447x0.3563	557.04	0.00
L12	76.08 - 75.83 (12)	TP23.6242x23.5681x0.4625	562.90	0.00
L13	75.83 - 71 (13)	TP24.7082x23.6242x0.4563	678.40	0.00
L14	71 - 70.75 (14)	TP24.7643x24.7082x0.675	684.51	0.00
L15	70.75 - 68.08 (15)	TP25.3635x24.7643x0.6625	750.40	0.00
L16	68.08 - 67.83 (16)	TP25.4196x25.3635x0.7125	756.64	0.00
L17	67.83 - 63.5 (17)	TP26.3913x25.4196x0.6875	866.08	0.00
L18	63.5 - 63.25 (18)	TP26.4474x26.3913x0.9	872.48	0.00
L19	63.25 - 58.25 (19)	TP27.5695x26.4474x0.85	1002.53	0.00
L20	58.25 - 53.25 (20)	TP28.6916x27.5695x0.825	1136.36	0.00
L21	53.25 - 47.42 (21)	TP30x28.6916x0.825	1170.41	0.00
L22	47.42 - 46.42 (22)	TP29.7414x28.4722x0.8438	1325.56	0.00
L23	46.42 - 41.42 (23)	TP30.8787x29.7414x0.8188	1468.64	0.00
L24	41.42 - 38.08 (24)	TP31.6384x30.8787x0.8063	1566.23	0.00
L25	38.08 - 37.83 (25)	TP31.6952x31.6384x0.7563	1573.60	0.00
L26	37.83 - 35 (26)	TP32.339x31.6952x0.7438	1657.62	0.00
L27	35 - 34.75 (27)	TP32.3958x32.339x0.8438	1665.09	0.00

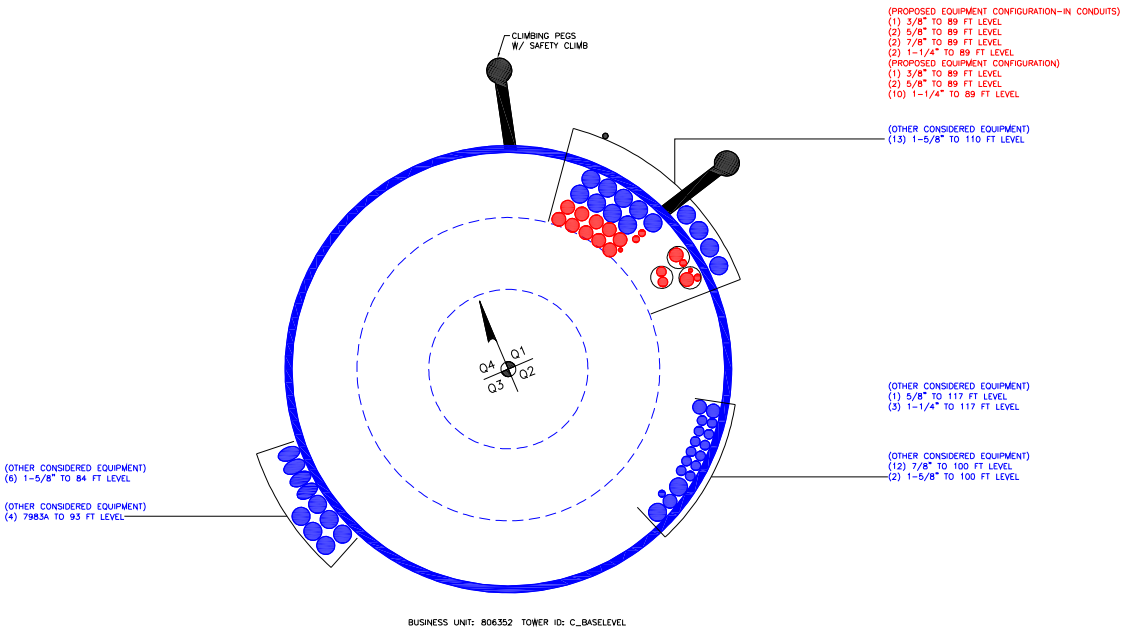
Section No.	Elevation ft	Size	M_{ux} kip-ft	M_{uy} kip-ft
L28	34.75 - 29.75 (28)	TP33.5331x32.3958x0.8313	1816.42	0.00
L29	29.75 - 24.75 (29)	TP34.6704x33.5331x0.8063	1971.18	0.00
L30	24.75 - 19.75 (30)	TP35.8077x34.6704x0.7938	2128.88	0.00
L31	19.75 - 14.75 (31)	TP36.945x35.8077x0.7688	2289.02	0.00
L32	14.75 - 12.5 (32)	TP37.4568x36.945x0.7688	2361.84	0.00
L33	12.5 - 12.25 (33)	TP37.5136x37.4568x0.7688	2369.96	0.00
L34	12.25 - 11 (34)	TP37.798x37.5136x0.7688	2410.64	0.00
L35	11 - 10.75 (35)	TP37.8548x37.798x0.9688	2418.80	0.00
L36	10.75 - 5.75 (36)	TP38.9921x37.8548x0.9438	2583.15	0.00
L37	5.75 - 2.5 (37)	TP39.7314x38.9921x0.9438	2691.27	0.00
L38	2.5 - 2.25 (38)	TP39.7882x39.7314x0.9688	2699.63	0.00
L39	2.25 - 0 (39)	TP40.3x39.7882x0.9688	2775.13	0.00

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	Actual T_u kip-ft
L1	117 - 112 (1)	TP15.4886x14.36x0.1875	3.11	0.00
L2	112 - 110 (2)	TP15.94x15.4886x0.1875	3.23	0.00
L3	110 - 105 (3)	TP17.07x15.94x0.1875	7.33	0.27
L4	105 - 100 (4)	TP18.2x17.07x0.1875	7.67	0.27
L5	100 - 95 (5)	TP19.3221x18.2x0.25	14.33	0.12
L6	95 - 90 (6)	TP20.4442x19.3221x0.25	15.38	0.70
L7	90 - 85 (7)	TP21.5663x20.4442x0.25	22.40	0.65
L8	85 - 81.88 (8)	TP22.2665x21.5663x0.25	23.03	0.61
L9	81.88 - 81.63 (9)	TP22.3226x22.2665x0.35	23.04	0.61
L10	81.63 - 76.63 (10)	TP23.4447x22.3226x0.3563	23.39	0.61
L11	76.63 - 76.08 (11)	TP23.5681x23.4447x0.3563	23.43	0.61
L12	76.08 - 75.83 (12)	TP23.6242x23.5681x0.4625	23.45	0.61
L13	75.83 - 71 (13)	TP24.7082x23.6242x0.4563	24.44	0.43
L14	71 - 70.75 (14)	TP24.7643x24.7082x0.675	24.46	0.43
L15	70.75 - 68.08 (15)	TP25.3635x24.7643x0.6625	24.95	0.33
L16	68.08 - 67.83 (16)	TP25.4196x25.3635x0.7125	24.98	0.33
L17	67.83 - 63.5 (17)	TP26.3913x25.4196x0.6875	25.61	0.35
L18	63.5 - 63.25 (18)	TP26.4474x26.3913x0.9	25.64	0.35
L19	63.25 - 58.25 (19)	TP27.5695x26.4474x0.85	26.41	0.38
L20	58.25 - 53.25 (20)	TP28.6916x27.5695x0.825	27.17	0.41
L21	53.25 - 47.42 (21)	TP30x28.6916x0.825	27.36	0.41
L22	47.42 - 46.42 (22)	TP29.7414x28.4722x0.8438	28.28	0.44
L23	46.42 - 41.42 (23)	TP30.8787x29.7414x0.8188	29.00	0.47
L24	41.42 - 38.08 (24)	TP31.6384x30.8787x0.8063	29.48	0.49
L25	38.08 - 37.83 (25)	TP31.6952x31.6384x0.7563	29.51	0.49
L26	37.83 - 35 (26)	TP32.339x31.6952x0.7438	29.91	0.50
L27	35 - 34.75 (27)	TP32.3958x32.339x0.8438	29.94	0.50
L28	34.75 - 29.75 (28)	TP33.5331x32.3958x0.8313	30.64	0.53
L29	29.75 - 24.75 (29)	TP34.6704x33.5331x0.8063	31.32	0.55
L30	24.75 - 19.75 (30)	TP35.8077x34.6704x0.7938	31.82	0.55
L31	19.75 - 14.75 (31)	TP36.945x35.8077x0.7688	32.29	0.55
L32	14.75 - 12.5 (32)	TP37.4568x36.945x0.7688	32.50	0.55
L33	12.5 - 12.25 (33)	TP37.5136x37.4568x0.7688	32.51	0.55
L34	12.25 - 11 (34)	TP37.798x37.5136x0.7688	32.64	0.55
L35	11 - 10.75 (35)	TP37.8548x37.798x0.9688	32.65	0.55
L36	10.75 - 5.75 (36)	TP38.9921x37.8548x0.9438	33.14	0.55
L37	5.75 - 2.5 (37)	TP39.7314x38.9921x0.9438	33.45	0.55
L38	2.5 - 2.25 (38)	TP39.7882x39.7314x0.9688	33.47	0.55
L39	2.25 - 0 (39)	TP40.3x39.7882x0.9688	33.70	0.55

APPENDIX B

BASE LEVEL DRAWING


CLIMBING PEGS
W/ SAFETY CLIMB
(PROPOSED EQUIPMENT CONFIGURATION-IN CONDUITS)
(1) 3/8" TO 89 FT LEVEL
(2) 5/8" TO 89 FT LEVEL
(2) 7/8" TO 89 FT LEVEL
(2) 1-1/4" TO 89 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(1) 3/8" TO 89 FT LEVEL
(2) 5/8" TO 89 FT LEVEL
(10) 1-1/4" TO 89 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(13) 1-5/8" TO 110 FT LEVEL
Q1
Q2
Q3
Q4
(OTHER CONSIDERED EQUIPMENT)
(1) 5/8" TO 117 FT LEVEL
(3) 1-1/4" TO 117 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(12) 7/8" TO 100 FT LEVEL
(2) 1-5/8" TO 100 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 1-5/8" TO 84 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(4) 7983A TO 93 FT LEVEL
BUSINESS UNIT: 806352 TOWER ID: C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 806352

Work Order: 1851244

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	117	7	0	12	14.36	15.94	0.1875	Auto	A572-65
2	110	10	0	12	15.94	18.2	0.1875	Auto	A572-65
3	100	52.58	4.58	12	18.20	30	0.25	Auto	A572-65
4	52	52	0	12	28.47	40.3	0.34375	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	35	plate	MS-600; (1) (1.1875)_1	3		o				o				o		
2	35	63.5	plate	MS-450; (1) (1.1875)_1	3		o				o				o		
3	51.5	71	plate	MS-450; (1) (1.1875)_2	3	o				o				o			
4	0	35	plate	CI-045100; (1) (1.1875)	3			o				o				o	
5	35	49	plate	CI-040075; (1) (1.1875)	3			o				o				o	
6	12.5	38.08	plate	CI-045100; (1) (1.1875)	1				o								
7	2.5	38.08	plate	CI-045100; (1) (1.1875)	2								o				o
8	38.08	68.08	plate	CI-060100; (1) (1.1875)	3				o				o				o
9	68.08	81.88	plate	CI-045100; (1) (1.1875)	3		o						o				o
10	0	12.5	plate	FP 1.25 x 5.25_1	1			c									
11	0	2.5	plate	FP 1.25 x 5.25_1	2								c				c
12	68.08	76.08	plate	CI-040075; (1) (1.1875)	3			o				o				o	
13	0	11	plate	FP 1.25 x 4.5_1	3		c				c				c		
14																	

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Length (in)	Top Termination Length (in)	L_u (in)	Net Area (in^2)	Bolt Hole Size (in)	Reinforcement Material
1	6	1	6	0.5	n/a	n/a	16.250	4.750	1.1875	A572-65
2	4.5	1	4.5	0.5	n/a	n/a	12.000	3.250	1.1875	A572-65
3	4.5	1	4.5	0.5	n/a	n/a	21.000	3.250	1.1875	A572-65
4	4.5	1	4.5	0.5	n/a	n/a	19.250	3.250	1.1875	A572-65
5	4	0.75	3	0.375	n/a	n/a	16.000	2.063	1.1875	A572-65
6	4.5	1	4.5	0.5	n/a	n/a	19.250	3.250	1.1875	A572-65
7	4.5	1	4.5	0.5	n/a	n/a	19.250	3.250	1.1875	A572-65
8	6	1	6	0.5	n/a	n/a	16.000	4.750	1.1875	A572-65
9	4.5	1	4.5	0.5	n/a	n/a	19.250	3.250	1.1875	A572-65
10	1.25	5.25	6.5625	2.625	n/a	n/a	0.000	6.563	0.0000	A572-65
11	1.25	5.25	6.5625	2.625	n/a	n/a	0.000	6.563	0.0000	A572-65
12	4	0.75	3	0.375	n/a	n/a	16.000	2.063	1.1875	A572-65
13	1.25	4.5	5.625	2.25	n/a	n/a	0.000	5.625	0.0000	A572-65

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	117 - 112	5		12	14.360	15.489	0.1875	A572-65	1.000
2	112 - 110	2	0	12	15.489	15.940	0.1875	A572-65	1.000
3	110 - 105	5		12	15.940	17.070	0.1875	A572-65	1.000
4	105 - 100	5	0	12	17.070	18.200	0.1875	A572-65	1.000
5	100 - 95	5		12	18.200	19.322	0.25	A572-65	1.000
6	95 - 90	5		12	19.322	20.444	0.25	A572-65	1.000
7	90 - 85	5		12	20.444	21.566	0.25	A572-65	1.000
8	85 - 81.88	3.12		12	21.566	22.266	0.25	A572-65	1.000
9	81.88 - 81.63	0.25		12	22.266	22.323	0.35	A572-65	1.263
10	81.63 - 76.63	5		12	22.323	23.445	0.35625	A572-65	1.215
11	76.63 - 76.08	0.55		12	23.445	23.568	0.35625	A572-65	1.213
12	76.08 - 75.83	0.25		12	23.568	23.624	0.4625	A572-65	1.199
13	75.83 - 71	4.83		12	23.624	24.708	0.45625	A572-65	1.185
14	71 - 70.75	0.25		12	24.708	24.764	0.675	A572-65	1.065
15	70.75 - 68.08	2.67		12	24.764	25.363	0.6625	A572-65	1.068
16	68.08 - 67.83	0.25		12	25.363	25.420	0.7125	A572-65	0.914
17	67.83 - 63.5	4.33		12	25.420	26.391	0.6875	A572-65	0.924
18	63.5 - 63.25	0.25		12	26.391	26.447	0.9	A572-65	0.894
19	63.25 - 58.25	5		12	26.447	27.570	0.85	A572-65	0.917
20	58.25 - 53.25	5		12	27.570	28.692	0.825	A572-65	0.918
21	53.25 - 52	5.83	4.58	12	28.692	30.000	0.825	A572-65	0.912
22	52 - 46.42	5.58		12	28.472	29.741	0.84375	A572-65	0.931
23	46.42 - 41.42	5		12	29.741	30.879	0.81875	A572-65	0.938
24	41.42 - 38.08	3.34		12	30.879	31.638	0.80625	A572-65	0.939
25	38.08 - 37.83	0.25		12	31.638	31.695	0.75625	A572-65	0.939
26	37.83 - 35	2.83		12	31.695	32.339	0.74375	A572-65	0.944
27	35 - 34.75	0.25		12	32.339	32.396	0.84375	A572-65	0.940
28	34.75 - 29.75	5		12	32.396	33.533	0.83125	A572-65	0.935
29	29.75 - 24.75	5		12	33.533	34.670	0.80625	A572-65	0.945
30	24.75 - 19.75	5		12	34.670	35.808	0.79375	A572-65	0.942
31	19.75 - 14.75	5		12	35.808	36.945	0.76875	A572-65	0.956
32	14.75 - 12.5	2.25		12	36.945	37.457	0.76875	A572-65	0.949
33	12.5 - 12.25	0.25		12	37.457	37.514	0.76875	A572-65	0.970
34	12.25 - 11	1.25		12	37.514	37.798	0.76875	A572-65	0.966
35	11 - 10.75	0.25		12	37.798	37.855	0.96875	A572-65	0.917
36	10.75 - 5.75	5		12	37.855	38.992	0.94375	A572-65	0.924
37	5.75 - 2.5	3.25		12	38.992	39.731	0.94375	A572-65	0.913
38	2.5 - 2.25	0.25		12	39.731	39.788	0.96875	A572-65	0.923
39	2.25 - 0	2.25		12	39.788	40.300	0.96875	A572-65	0.916

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	117 - 112	1.76	16.35	3.11
2	112 - 110	1.83	22.69	3.23
3	110 - 105	4.63	59.11	7.33
4	105 - 100	4.96	96.63	7.67
5	100 - 95	8.55	171.37	14.33
6	95 - 90	9.38	246.25	15.38
7	90 - 85	14.43	351.00	22.40
8	85 - 81.88	15.25	422.33	23.03
9	81.88 - 81.63	15.32	428.09	23.04
10	81.63 - 76.63	16.35	544.16	23.39
11	76.63 - 76.08	16.47	557.04	23.43
12	76.08 - 75.83	16.54	562.90	23.45
13	75.83 - 71	17.63	678.40	24.44
14	71 - 70.75	17.72	684.51	24.46
15	70.75 - 68.08	18.48	750.40	24.95
16	68.08 - 67.83	18.56	756.64	24.98
17	67.83 - 63.5	19.75	866.08	25.61
18	63.5 - 63.25	19.85	872.48	25.64
19	63.25 - 58.25	21.50	1002.52	26.41
20	58.25 - 53.25	23.18	1136.36	27.17
21	53.25 - 52	23.61	1170.41	27.36
22	52 - 46.42	26.86	1325.56	28.28
23	46.42 - 41.42	28.70	1468.65	29.00
24	41.42 - 38.08	29.94	1566.23	29.48
25	38.08 - 37.83	30.04	1573.60	29.51
26	37.83 - 35	31.05	1657.61	29.91
27	35 - 34.75	31.17	1665.09	29.94
28	34.75 - 29.75	33.15	1816.42	30.64
29	29.75 - 24.75	35.18	1971.18	31.32
30	24.75 - 19.75	37.24	2128.88	31.82
31	19.75 - 14.75	39.33	2289.02	32.29
32	14.75 - 12.5	40.29	2361.84	32.50
33	12.5 - 12.25	40.41	2369.96	32.51
34	12.25 - 11	40.94	2410.64	32.64
35	11 - 10.75	41.07	2418.80	32.65
36	10.75 - 5.75	43.57	2583.15	33.14
37	5.75 - 2.5	45.21	2691.27	33.45
38	2.5 - 2.25	45.35	2699.63	33.47
39	2.25 - 0	46.53	2775.13	33.70

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
117 - 112	Pole	TP15.489x14.36x0.1875	Pole	7.6%	Pass
112 - 110	Pole	TP15.94x15.489x0.1875	Pole	9.9%	Pass
110 - 105	Pole	TP17.07x15.94x0.1875	Pole	23.1%	Pass
105 - 100	Pole	TP18.2x17.07x0.1875	Pole	33.6%	Pass
100 - 95	Pole	TP19.322x18.2x0.25	Pole	38.0%	Pass
95 - 90	Pole	TP20.444x19.322x0.25	Pole	48.5%	Pass
90 - 85	Pole	TP21.566x20.444x0.25	Pole	62.8%	Pass
85 - 81.88	Pole	TP22.266x21.566x0.25	Pole	71.4%	Pass
81.88 - 81.63	Pole + Reinf.	TP22.323x22.266x0.35	Reinf. 9 Tension Rupture	66.2%	Pass
81.63 - 76.63	Pole + Reinf.	TP23.445x22.323x0.3563	Reinf. 9 Tension Rupture	77.4%	Pass
76.63 - 76.08	Pole + Reinf.	TP23.568x23.445x0.3563	Reinf. 9 Tension Rupture	78.6%	Pass
76.08 - 75.83	Pole + Reinf.	TP23.624x23.568x0.4625	Reinf. 12 Tension Rupture	71.9%	Pass
75.83 - 71	Pole + Reinf.	TP24.708x23.624x0.4563	Reinf. 12 Tension Rupture	80.9%	Pass
71 - 70.75	Pole + Reinf.	TP24.764x24.708x0.675	Reinf. 3 Compression	65.7%	Pass
70.75 - 68.08	Pole + Reinf.	TP25.363x24.764x0.6625	Reinf. 3 Compression	69.7%	Pass
68.08 - 67.83	Pole + Reinf.	TP25.42x25.363x0.7125	Reinf. 3 Compression	61.5%	Pass
67.83 - 63.5	Pole + Reinf.	TP26.391x25.42x0.6875	Reinf. 3 Compression	66.8%	Pass
63.5 - 63.25	Pole + Reinf.	TP26.447x26.391x0.9	Reinf. 3 Compression	53.1%	Pass
63.25 - 58.25	Pole + Reinf.	TP27.57x26.447x0.85	Reinf. 3 Compression	57.8%	Pass
58.25 - 53.25	Pole + Reinf.	TP28.692x27.57x0.825	Reinf. 3 Compression	62.3%	Pass
53.25 - 52	Pole + Reinf.	TP30x28.692x0.825	Reinf. 3 Compression	63.3%	Pass
52 - 46.42	Pole + Reinf.	TP29.741x28.472x0.8438	Reinf. 5 Tension Rupture	67.2%	Pass
46.42 - 41.42	Pole + Reinf.	TP30.879x29.741x0.8188	Reinf. 5 Tension Rupture	70.6%	Pass
41.42 - 38.08	Pole + Reinf.	TP31.638x30.879x0.8063	Reinf. 5 Tension Rupture	72.7%	Pass
38.08 - 37.83	Pole + Reinf.	TP31.695x31.638x0.7563	Reinf. 5 Tension Rupture	77.7%	Pass
37.83 - 35	Pole + Reinf.	TP32.339x31.695x0.7438	Reinf. 5 Tension Rupture	79.5%	Pass
35 - 34.75	Pole + Reinf.	TP32.396x32.339x0.8438	Reinf. 6 Tension Rupture	67.4%	Pass
34.75 - 29.75	Pole + Reinf.	TP33.533x32.396x0.8313	Reinf. 6 Tension Rupture	70.0%	Pass
29.75 - 24.75	Pole + Reinf.	TP34.67x33.533x0.8063	Reinf. 6 Tension Rupture	72.4%	Pass
24.75 - 19.75	Pole + Reinf.	TP35.808x34.67x0.7938	Reinf. 6 Tension Rupture	74.7%	Pass
19.75 - 14.75	Pole + Reinf.	TP36.945x35.808x0.7688	Reinf. 6 Tension Rupture	76.7%	Pass
14.75 - 12.5	Pole + Reinf.	TP37.457x36.945x0.7688	Reinf. 6 Tension Rupture	77.6%	Pass
12.5 - 12.25	Pole + Reinf.	TP37.514x37.457x0.7688	Reinf. 4 Tension Rupture	78.6%	Pass
12.25 - 11	Pole + Reinf.	TP37.798x37.514x0.7688	Reinf. 4 Tension Rupture	79.0%	Pass
11 - 10.75	Pole + Reinf.	TP37.855x37.798x0.9688	Reinf. 4 Tension Rupture	63.2%	Pass
10.75 - 5.75	Pole + Reinf.	TP38.992x37.855x0.9438	Reinf. 4 Tension Rupture	64.9%	Pass
5.75 - 2.5	Pole + Reinf.	TP39.731x38.992x0.9438	Reinf. 4 Tension Rupture	65.9%	Pass
2.5 - 2.25	Pole + Reinf.	TP39.788x39.731x0.9688	Reinf. 4 Tension Rupture	61.8%	Pass
2.25 - 0	Pole + Reinf.	TP40.3x39.788x0.9688	Reinf. 4 Tension Rupture	62.5%	Pass
				Summary	
			Pole	71.4%	Pass
			Reinforcement	80.9%	Pass
			Overall	80.9%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*													
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13
117 - 112	276	n/a	276	9.22	n/a	9.22	7.6%													
112 - 110	302	n/a	302	9.50	n/a	9.50	9.9%													
110 - 105	371	n/a	371	10.18	n/a	10.18	23.1%													
105 - 100	451	n/a	451	10.86	n/a	10.86	33.6%													
100 - 95	714	n/a	714	15.33	n/a	15.33	38.0%													
95 - 90	847	n/a	847	16.23	n/a	16.23	48.5%													
90 - 85	997	n/a	997	17.14	n/a	17.14	62.8%													
85 - 81.88	1098	n/a	1098	17.70	n/a	17.70	71.4%													
81.88 - 81.63	1148	415	1563	17.74	13.50	31.24	56.9%									66.2%				
81.63 - 76.63	1332	519	1851	18.64	13.50	32.14	65.7%									77.4%				
76.63 - 76.08	1353	524	1877	18.74	13.50	32.24	66.8%									78.6%				
76.08 - 75.83	1334	1071	2404	18.79	22.50	41.29	50.7%									60.0%			71.9%	
75.83 - 71	1527	1166	2693	19.66	22.50	42.16	57.8%									67.6%			80.9%	
71 - 70.75	1530	2346	3876	19.71	36.00	55.71	39.7%			65.7%						50.4%			58.6%	
70.75 - 68.08	1645	2455	4100	20.19	36.00	56.19	42.5%			69.7%						53.6%			62.2%	
68.08 - 67.83	1641	2788	4429	20.23	31.50	51.73	36.7%			61.5%					54.9%					
67.83 - 63.5	1838	2994	4832	21.01	31.50	52.51	40.6%			66.8%					59.7%					
63.5 - 63.25	1850	4289	6139	21.06	45.00	66.06	32.3%		52.0%	53.1%					47.5%					
63.25 - 58.25	2098	4643	6741	21.96	45.00	66.96	35.8%		56.6%	57.8%					51.7%					
58.25 - 53.25	2367	5011	7378	22.86	45.00	67.86	39.2%		60.9%	62.3%					55.6%					
53.25 - 52	2438	5105	7543	23.09	45.00	68.09	40.1%		62.0%	63.3%					56.6%					
52 - 46.42	3594	4813	8407	32.49	40.50	72.99	37.4%		64.5%			67.2%			58.9%					
46.42 - 41.42	4028	5173	9201	33.75	40.50	74.25	39.8%		67.7%			70.6%			61.9%					
41.42 - 38.08	4336	5421	9756	34.59	40.50	75.09	41.3%		69.8%			72.7%			63.7%					
38.08 - 37.83	4360	4822	9182	34.65	36.00	70.65	44.2%		74.6%			77.7%	74.6%	74.6%						
37.83 - 35	4634	5013	9647	35.36	36.00	71.36	45.6%		76.3%			79.5%	76.3%	76.3%						
35 - 34.75	4658	6325	10984	35.43	45.00	80.43	40.3%	61.6%			67.4%		67.4%	67.4%						
34.75 - 29.75	5172	6760	11932	36.68	45.00	81.68	42.4%	63.9%			70.0%		70.0%	70.0%						
29.75 - 24.75	5722	7209	12931	37.94	45.00	82.94	44.5%	66.1%			72.4%		72.4%	72.4%						
24.75 - 19.75	6310	7672	13982	39.20	45.00	84.20	46.5%	68.2%			74.7%		74.7%	74.7%						
19.75 - 14.75	6937	8151	15087	40.45	45.00	85.45	48.4%	70.1%			76.7%		76.7%	76.7%						
14.75 - 12.5	7232	8371	15602	41.02	45.00	86.02	49.2%	70.8%			77.6%		77.6%	77.6%						
12.5 - 12.25	7271	8455	15725	41.08	47.06	88.15	51.1%	72.2%			78.6%			78.5%			58.2%			
12.25 - 11	7439	8579	16018	41.40	47.06	88.46	51.5%	72.6%			79.0%			78.9%			58.6%			
11 - 10.75	7471	12650	20121	41.46	63.94	105.40	41.3%	58.0%			63.2%			63.1%			48.0%			53.2%
10.75 - 5.75	8171	13378	21549	42.72	63.94	106.66	43.0%	59.5%			64.9%			64.8%			49.3%			54.5%
5.75 - 2.5	8649	13862	22511	43.53	63.94	107.47	44.1%	60.5%			65.9%			65.8%			50.1%			55.2%
2.5 - 2.25	8688	14784	23471	43.60	68.06	111.66	41.9%	59.2%			61.8%						48.5%	50.7%		52.8%
2.25 - 0	9030	15138	24168	44.16	68.06	112.23	42.6%	59.9%			62.5%						49.0%	51.3%		53.4%

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

Monopole Flange Plate Connection

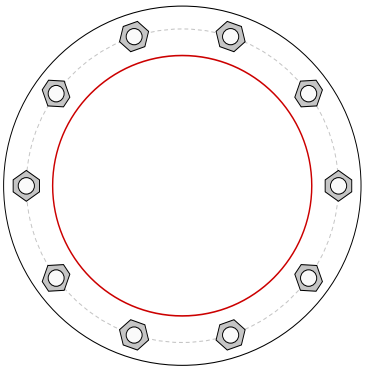
Elevation = 110 ft.

BU #	806532
Site Name	BRG 302 943052
Order #	517060 Rev. 0
TIA-222 Revision	H

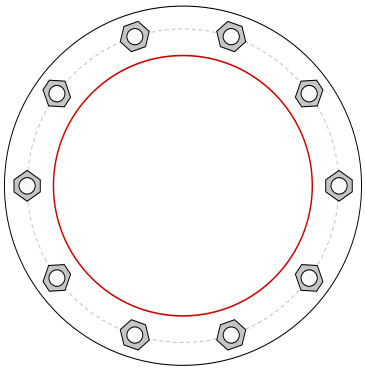
Applied Loads	
Moment (kip-ft)	22.69
Axial Force (kips)	1.83
Shear Force (kips)	3.23

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(10) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 19.2" BC

Top Plate Data

22" OD x 1.5" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

22" OD x 1.5" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

15.94" x 0.1875" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Bottom Pole Data

15.94" x 0.1875" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	5.48	
Allowable (kips)	54.54	
Stress Rating:	**9.6%**	Pass

Top Plate Capacity

Max Stress (ksi):	2.15	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**6.3%**	Pass
Tension Side Stress Rating:	**2.2%**	Pass

Bottom Plate Capacity

Max Stress (ksi):	2.15	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**6.3%**	Pass
Tension Side Stress Rating:	**2.2%**	Pass

Monopole Flange Plate Connection

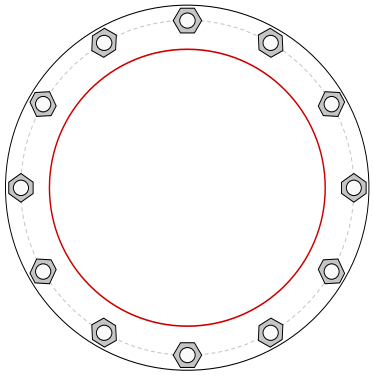
Elevation = 100 ft.

BU #	806532
Site Name	BRG 302 943052
Order #	517060 Rev. 0
TIA-222 Revision	H

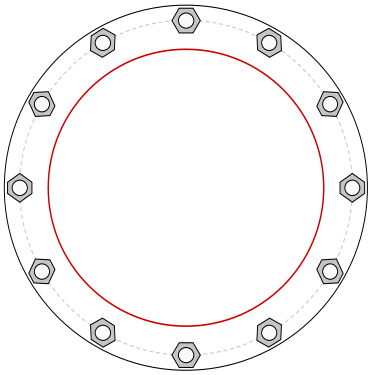
Applied Loads	
Moment (kip-ft)	96.63
Axial Force (kips)	4.96
Shear Force (kips)	7.67

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(12) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 22" BC

Top Plate Data

24" OD x 1.5" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

24" OD x 1.5" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

18.2" x 0.1875" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Bottom Pole Data

18.2" x 0.25" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	17.14	
Allowable (kips)	54.53	
Stress Rating:	**29.9%**	Pass

Top Plate Capacity

Max Stress (ksi):	7.62	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**22.4%**	Pass
Tension Side Stress Rating:	**9.2%**	Pass

Bottom Plate Capacity

Max Stress (ksi):	7.62	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**22.4%**	Pass
Tension Side Stress Rating:	**9.2%**	Pass

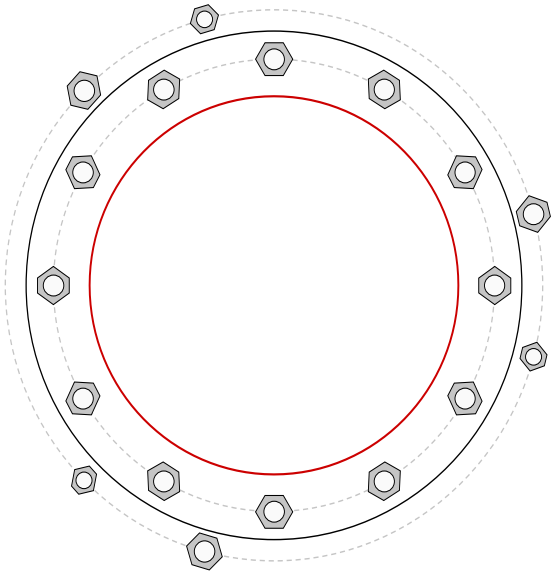
Monopole Base Plate Connection

Site Info	
BU #	806532
Site Name	BRG 302 943052
Order #	517060 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0

Applied Loads	
Moment (kip-ft)	2775.13
Axial Force (kips)	46.53
Shear Force (kips)	33.70

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 48.22" BC
GROUP 2: (3) 1-3/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 58.72" BC
GROUP 3: (3) 2-1/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 58.72" BC

Base Plate Data

54.22" OD x 2.5" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

40.3" x 0.34375" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

GROUP 1:		
Pu_c = 148.78	ϕPn_c = 268.39	**Stress Rating**
Vu = 2.81	ϕVn = 120.77	**52.8%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:		
Pu_c = 103.16	ϕPn_c = 227.3	**Stress Rating**
Vu = 0	ϕVn = 102.28	**43.2%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 3:		
Pu_c = 176.46	ϕPn_c = 375.74	**Stress Rating**
Vu = 0	ϕVn = 169.08	**44.7%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	21.82	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**38.5%**	**Pass**

Drilled Pier Foundation

BU # :	806532
Site Name:	BRG 302 943052
Order Number:	517060 Rev. 0

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	2775	
Axial Force (kips)	47	
Shear Force (kips)	34	

Material Properties		
Concrete Strength, f'c:	3	ksi
Rebar Strength, Fy:	60	ksi

Pier Design Data		
Depth	16.4	ft
Ext. Above Grade	0.2	ft
Pier Section 1		
From 0.2' above grade to 16.4' below grade		
Pier Diameter	6.5	ft
Rebar Quantity	22	
Rebar Size	10	
Clear Cover to Ties	5	in
Tie Size	5	

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	6.04	-
Soil Safety Factor	2.65	-
Max Moment (kip-ft)	3078.11	-
Rating*	*47.7%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	569.51	-
End Bearing (kips)	918.34	-
Weight of Concrete (kips)	99.15	-
Total Capacity (kips)	1487.85	-
Axial (kips)	146.15	-
Rating*	*9.4%*	-
Reinforced Concrete Check	*Compression*	*Uplift*
Critical Depth (ft from TOC)	5.77	-
Critical Moment (kip-ft)	3077.28	-
Critical Moment Capacity	4081.87	-
Rating*	*71.8%*	-

Soil Interaction Rating*	**47.7%**
Structural Foundation Rating*	**71.8%**

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐

Soil Profile

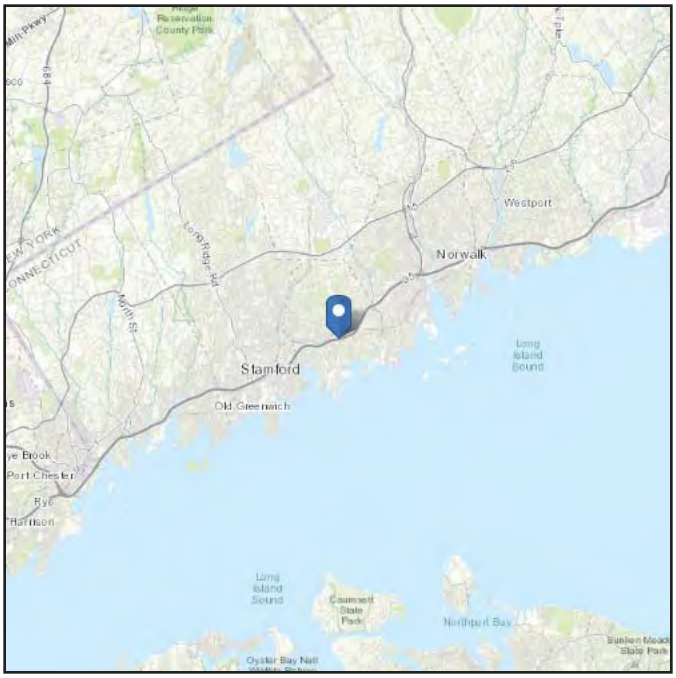
Groundwater Depth	N/A	# of Layers	4

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	4	4	115	150	0	0	0.000	0.000					Cohesionless
2	4	6	2	120	150	0	39	0.000	0.000	0.42	0.00			Cohesionless
3	6	11	5	135	150	0	45	0.000	0.000	2.15	0.00			Cohesionless
4	11	16.4	5.4	155	150	14	0	6.300	6.300	4.74	0.00	36.9		Cohesive

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-10	**Elevation:**	42.25 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.072
Soil Class:	D - Stiff Soil	**Longitude:**	-73.4782



Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Tue Mar 05 2019

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

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

Exhibit E

Mount Analysis

Date: **May 7, 2020**

Darcy Tarr
Crown Castle
6325 Ardrey Kell Rd., Suite 600
Charlotte, NC 28277
704-405-6589

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

Subject:	**Mount Analysis Report**	
Carrier Designation:	**AT&T**	
	Carrier Site Number:	**60391**
	PACE Number:	**MRCTB047116**
	Carrier Site Name:	**DARIEN**
	FA Number:	**10035058**
Crown Castle Designation:	**Crown Castle BU Number:**	**806352**
	Crown Castle Site Name:	**BRG 302 943052**
	Crown Castle JDE Job Number:	**605359**
	Crown Castle Order Number:	**517060 Rev. 0**
Engineering Firm Designation:	**POD Group Report Designation:**	**20-63967**
Site Data:	**126 Ledge Road, Darien, Fairfield County, CT 06820** **Latitude 41° 4' 20.75" Longitude -73° 28' 41.40"**	
Structure Information:	**Tower Height & Type:**	**117 ft Monopole**
	Mount Elevation:	**89 ft**
	Mount Type:	**12.5 ft Platform with Support Rails**

Dear Darcy Tarr,

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

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

12.5 ft Platform with Support Rails **Sufficient**

This analysis has been performed in accordance with the TIA-222-H Standard based upon an ultimate 3-second gust wind speed of 117 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Dario Pelemis

Respectfully submitted by:

5/7/20

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

TABLE OF CONTENTS

1) INTRODUCTION

This mount is a existing 12.5 ft Platform with Support Rails. This mount is installed at the 89 ft elevation on the 117 ft monopole.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	117 mph
Exposure Category:	C
Topographic Factor at Base:	1.0
Topographic Factor at Mount:	1.0
Ice Thickness:	1.0 in
Wind Speed with Ice:	30 mph
Seismic S_s:	0.251
Seismic S_1:	0.057
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points:	250 lb
Man Live Load at Mount Pipes:	500 lb

Table 1 - Final Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
89	89	2	CCI Antennas	OPA-65R-LCUU-H6	12.5 Platform with Support Rails	
		1	CCI Antennas	OPA-65R-LCUU-H8		
		1	CCI Antennas	TPA-65R-LCUUUU-H8		
		3	Powerwave Technologies	7770.00		
		2	Quintel Technology	QS66512-2		
		2	CCI Antennas	HPA65R-BU6A		
		1	CCI Antennas	HPA65R-BU8A		
		6	CCI Antennas	TPX-070821		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B30		
		3	Ericsson	RRUS 4426 B66		
		6	Powerwave Technologies	LGP21401		
		2	Raycap	DC6-48-60-18-8F		
		3	Ericcson	RRUS 11 B12		
		3	Ericcson	RRUS E2 B29		
		1	Raycap	DC6-48-60-18-8C-EV		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Application	-	Crown Application #: 517060 Rev 0 Dated: 05/05/2020	Crown
Level Drawings	-	Crown Drawing #: A1-89 Dated:12/03/2018	Crown
RFDS	-	AT&T FA #: 10035058 Dated: 03/10/2020	Crown
Structural Analysis	-	PJF & Company Project #: 37517-0349.001.7805 Dated: 01/27/2017	Crown

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 are included in Appendices B & D.

This analysis was performed in accordance with Crown Castle's ENG-SOW-10208 Tower Mount Analysis (Revision B). In addition, this analysis is in accordance with AT&T's mount technical directive.

3.2) Assumptions

1) The antenna mounting system was properly fabricated, installed, and maintained in good condition in accordance with its original design, TIA Standards, and/or manufacturer's specifications.
2) The configuration of antennas, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
3) All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
4) The weight of the mount was increased 10% in the analysis to account for connections, coax, and jumpers.
5) Member sizes have been assumed from photos of the site and experience with similar mounting systems. If the sizes assumed in this report differ from the actual member sizes, POD Group shall be contacted immediately, and the results of the analysis shall be considered null and void.
6) All structural members shall be verified in accordance with AT&T Mount Technical Directive.
7) The analysis will be required to be revised if the existing conditions in the field differ from those shown in the above-referenced documents or assumed in this analysis. No allowance was made for any damaged, missing, or rusted members.
8) Steel grades have been assumed as follows, unless noted otherwise:

a.	Angle, Plate	ASTM A36 (GR 36)
b.	CF Channel	ASTM A1011 (GR 40)
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 Platform with Support Rails)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
-	Corner	CR3B	89	87.1	Pass
	Grating Support	SUPP2A	89	59.5	Pass
	Plate	CORNER2	89	57.0	Pass
	Standoff	SO3a	89	47.7	Pass
1	Flange Plate	-	-	39.0	Pass
	Kicker	KICKER3A	89	33.2	Pass
	Mount Pipe	MP GAMMA2	89	24.4	Pass
	Face	FACE3	89	14.5	Pass
1	Bolts	-	-	4.2	Pass

Structure Rating (max from all components) =	87.1%

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

4.1) Recommendations

The mount has sufficient capacity to carry the proposed loading configuration. No modifications are required at this time.

Table 5 – AT&T Specification

Wind Speed (mph)	Ice Thickness (in)	Height (ft)	Exposure	Class	Topo	# of Pipes	Allowable EPA per Pipe (ft sq.)	Allowable Weight per Sector (lbs)
117	1	89	C	II	1	12	12.12	1840

5) DISCLAIMER OF WARRANTIES

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

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

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

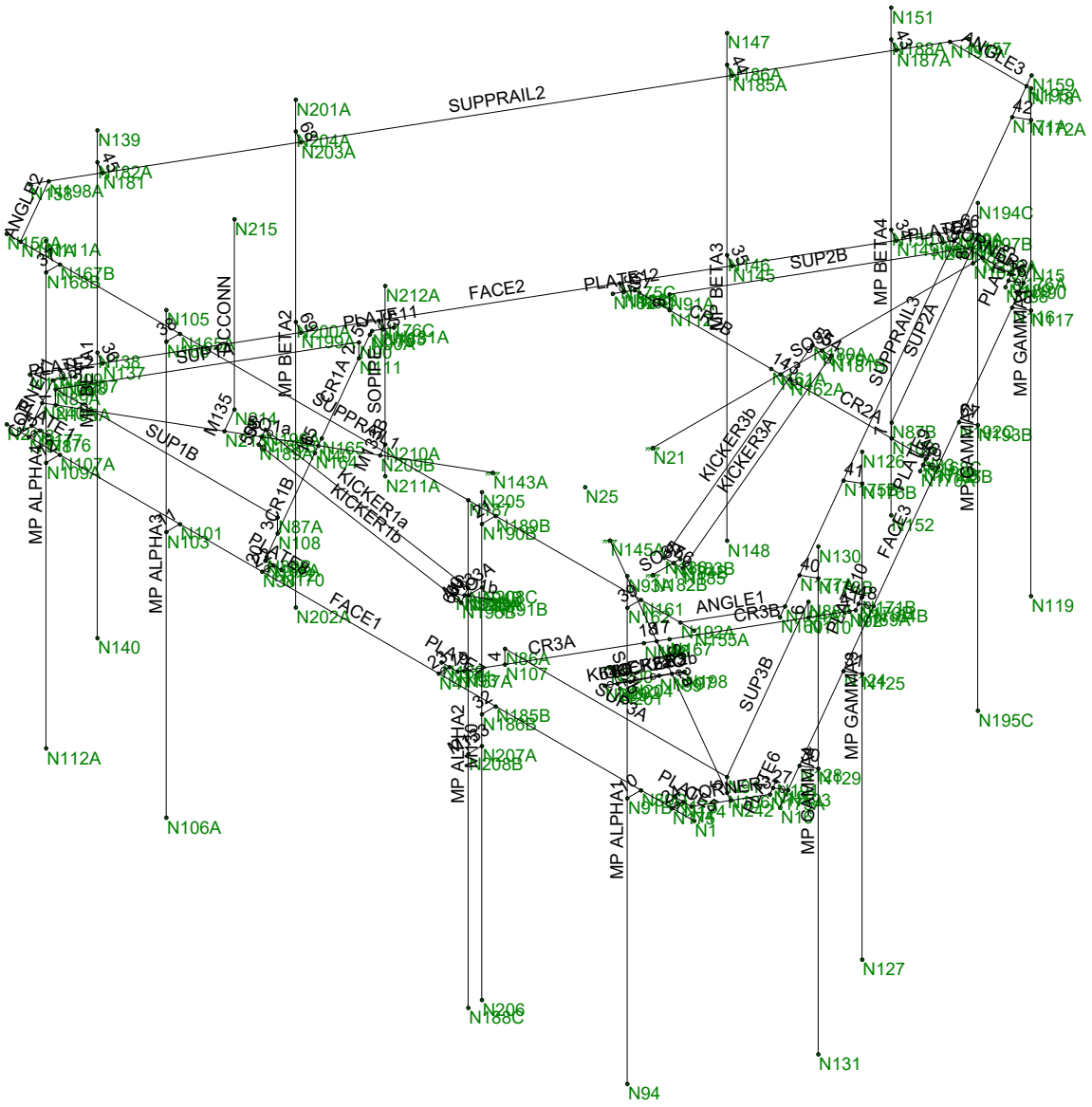
It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

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

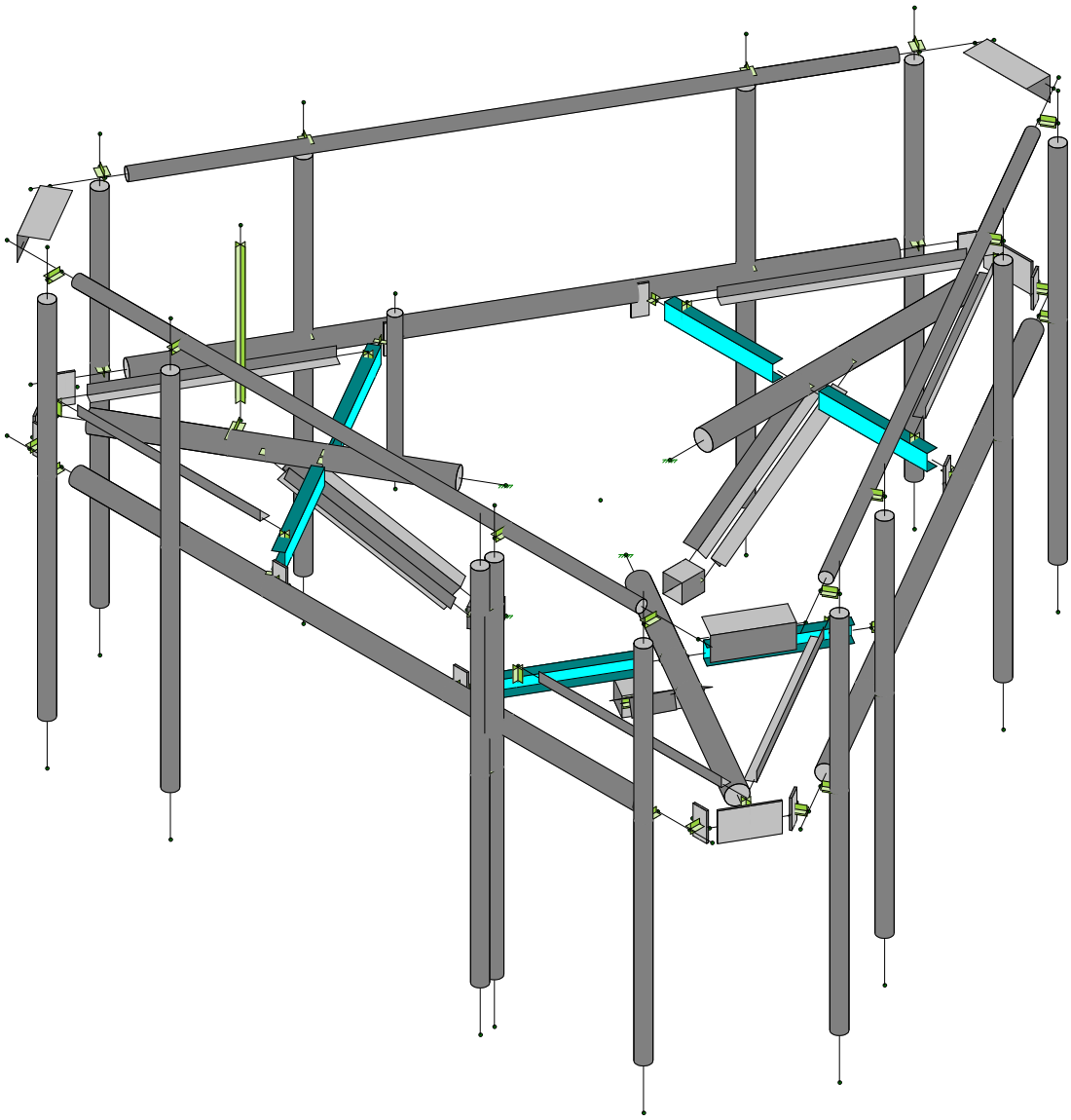
POD Group makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this structure. POD Group will not be responsible whatsoever, for or on account of, consequential or incidental damages sustained by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

APPENDIX A

Wire Frame and Rendered Models



POD Group	806352	
DP		May 7, 2020 at 9:18 AM
20-63967		(PL52) 12.5' Commscope Platform...



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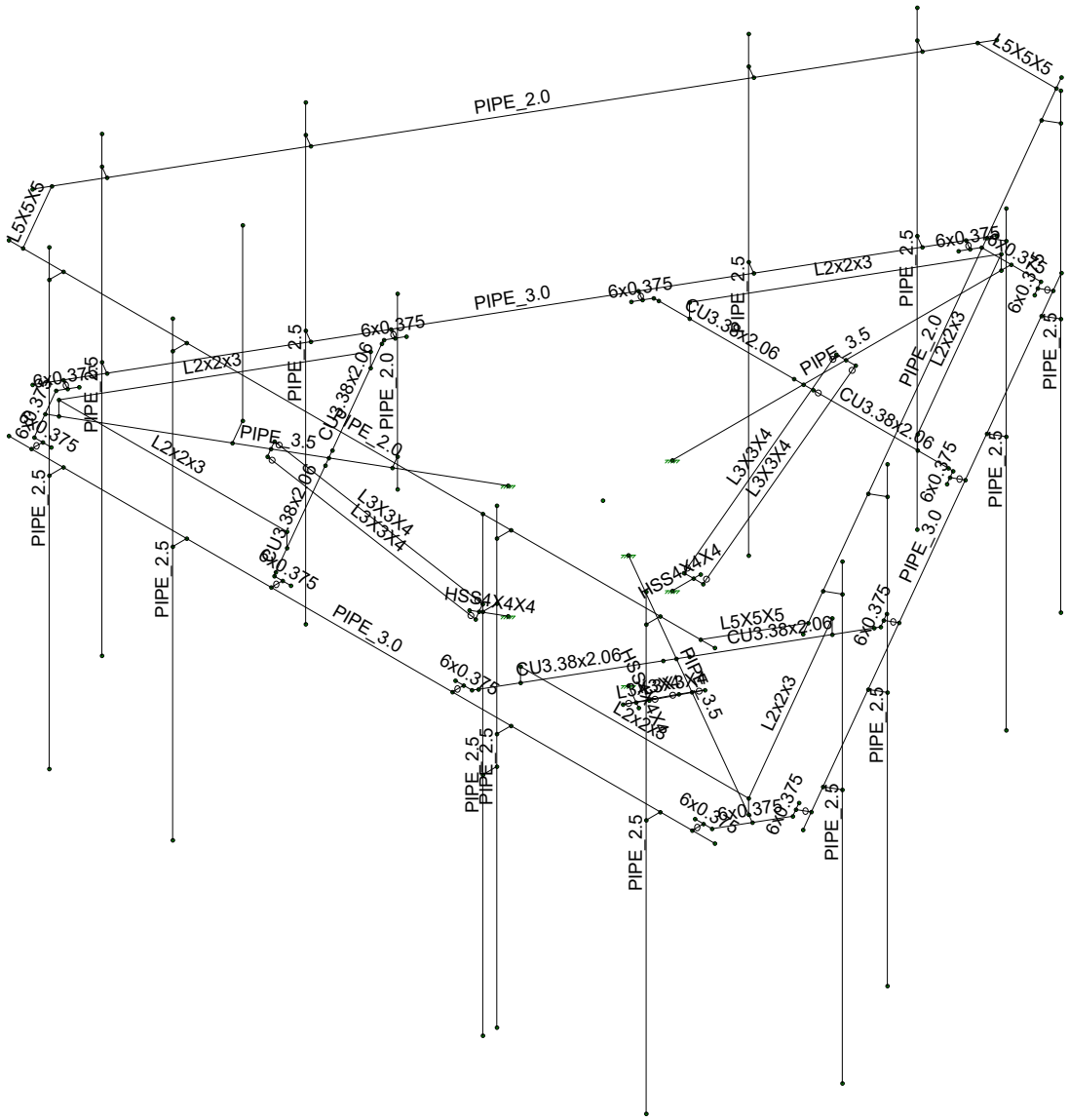
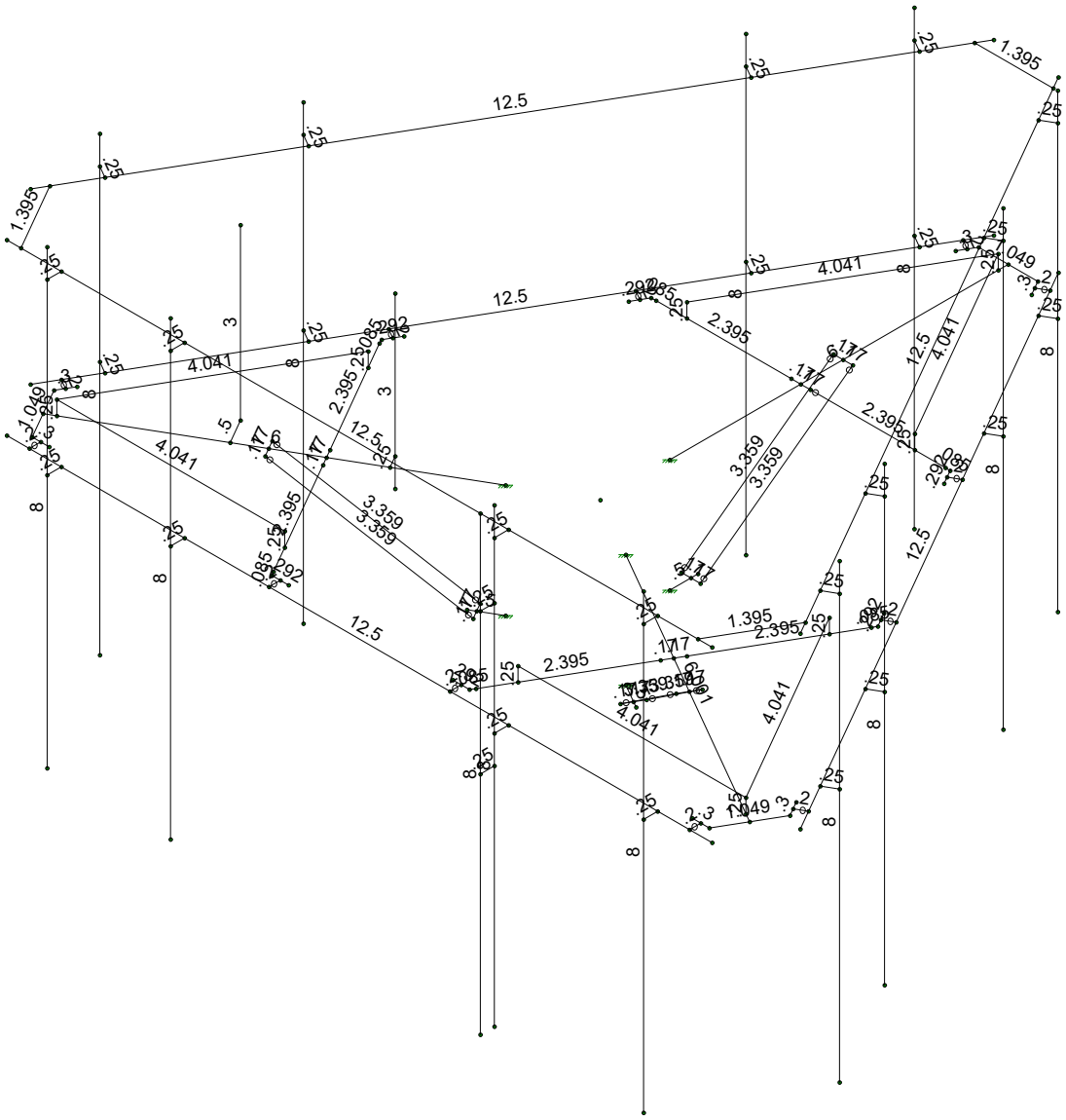
20-63967		(PL52) 12.5' Commscope Platform...

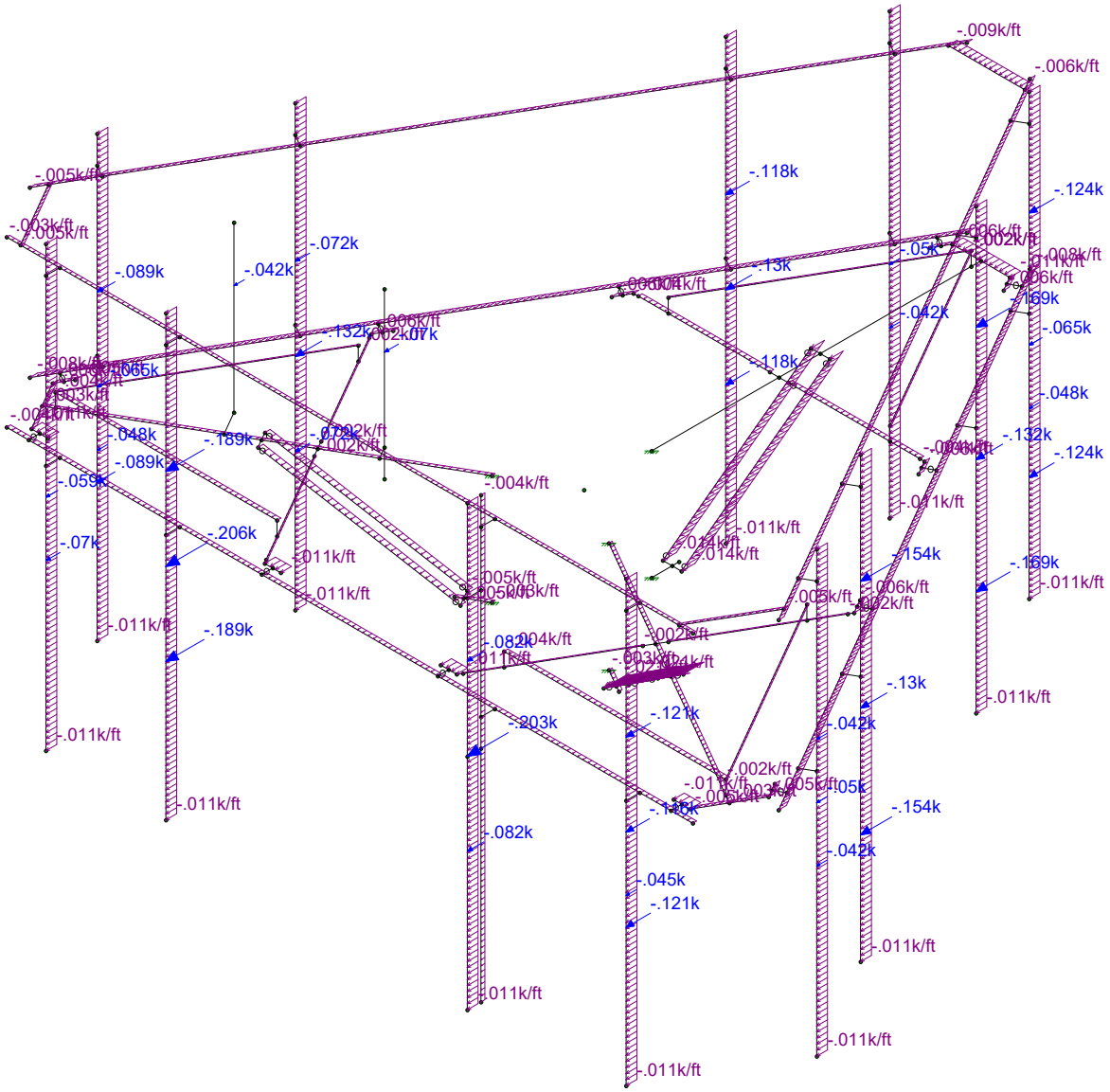


POD Group	806352	
DP		May 7, 2020 at 9:25 AM
20-63967		(PL52) 12.5' Commscope Platform...



Member Length (ft) Displayed

POD Group	806352	
DP		May 7, 2020 at 9:25 AM
20-63967		(PL52) 12.5' Commscope Platform...



Loads: BLC 1, Wind Load (0)

POD Group	806352	
DP		May 7, 2020 at 9:25 AM
20-63967		(PL52) 12.5' Commscope Platform...

APPENDIX B

Software Input Calculations

POD
POWER OF DESIGN

POD Job #	**20-63967**
Site Number	**806352**
Site Name	**BRG 302 943052**

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1	
V (Wind Speed)	117	I(ice)	1	Sms	0.401	
Zs	66			Sm1	0.122	
ti	1	Ss	0.251	Sds	0.268	
Vi	50	S1	0.051	Sd1	0.082	
Kzt	1	Soil Site Class	D (assumed)	Seismic Design Category		
Exposure	C	Fa	1.599	B		
zg	900	Fv	2.400	Seismic Analysis Not Required		
α	9.5			R	2	TIA-222-H 16.7
Kmin	0.85	Tower Type	Monopole	As	1	TIA-222-H 16.7
G_H	1	Tower Height	117	Cs, Min	0.03	TIA-222-H 2.7.7.1.1
Ke	1.00			Cs	0.133799733	TIA-222-H 2.7.7.1.1
K_D	0.95					
K_a	0.9					

Appurtenance Information

					Alpha			Beta				Gamma			
Model	Shielded	% Shielded	Centerline	Spacing (in)	# on MP 1	# on MP 2	# on MP 3	# on MP 4	# on MP 1	# on MP 2	# on MP 3	# on MP 4	# on MP 1	# on MP 2	# on MP 3	# on MP 4
HPA65R-BU6A			89	36	1				1							
QS66512-2			89	36		1				1						
OPA-65R-LCUU-H6			89	36			1				1					
7770			89	24				1				1				1
HPA65R-BU8A			89	50									1			
TPA-65R-LCUUUU-H8			89	50										1		
OPA-65R-LCUU-H8			89	48											1	
RRUS E2 B29			89		1				1				1			
TPX-070821			89			2				2				2		
LGP21401			89					2				2				2
RRUS 32 B2			89			1				1				1		
RRUS 4426 B66			89			1				1				1		
RRUS 32 B30			89				1				1				1	
RRUS 11 B12			89				1				1				1	
DC6-48-60-18-8F			88		1				1				1			

Mount Information

Elevation (ft)	89	Grating Thickness (in)	0.5
K_z	1.23	Grating Ice Weight (k/ft^)	0.012
Kiz	1.10		
tiz	1.10		

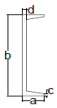
	Length (ft)	Width (in)	Centerline
Mount Pipes	8	2.875	89

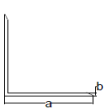
Round Members

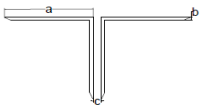
Member	Length (ft)	Width (in)	Frame Member	# of Members
Face On	12.5	3.5	Yes	2
Face Off	12.5	3.5	No	1
Support Rail On	12.5	2.375	Yes	2
Support Rail Off	12.5	2.375	No	1
Standoff	6	4	No	1

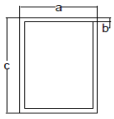
Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
Grating Support	4	2	Angle	2	0.1875			No	6
Corner	2.4	2	Channel	2.06	3.38	0.38	0.188	No	3
Kicker On	3.6	3	Angle	3	0.25			Yes	4
Kicker Off	3.6	3	Angle	3	0.25			No	2
Bottom Standoff	0.5	4	Square HSS	4	0.25	4		No	3
Top Angle	1.4	5	Angle	5	0.3			No	3
Plate	1	6	Channel	0	6	0	0.375	No	3









Version 2.2

Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
HPA65R-BU6A	71.1	11.7	7.6	54.5	1.23	41.02	5.88	3.82	0.241	0.157	0.220	0.220	0.157
QS66512-2	72.0	12.0	9.6	111.0	1.23	41.02	4.01	3.37	0.165	0.138	0.158	0.158	0.138
OPA-65R-LCUU-H6	72.0	14.4	7.3	80.0	1.23	41.02	9.20	4.63	0.377	0.190	0.330	0.330	0.190
7770	55.0	11.0	5.0	35.0	1.23	41.02	3.42	1.56	0.140	0.064	0.121	0.121	0.064
HPA65R-BU8A	96.0	11.7	7.6	54.0	1.23	41.02	8.18	5.32	0.335	0.218	0.306	0.306	0.218
TPA-65R-LCUUUU-H8	96.0	14.4	8.6	81.6	1.23	41.02	11.87	7.02	0.487	0.288	0.437	0.437	0.288
OPA-65R-LCUU-H8	92.8	14.4	7.3	70.9	1.23	41.02	11.95	6.03	0.490	0.247	0.429	0.429	0.247
RRUS E2 B29	20.4	18.5	7.5	52.9	1.23	41.02	2.83	1.16	0.116	0.047	0.099	0.099	0.047
TPX-070821	5.8	9.7	2.1	7.5	1.23	41.02	0.42	0.09	0.017	0.004	0.014	0.014	0.004
LGP21401	14.2	6.7	5.4	22.0	1.23	41.02	0.71	0.58	0.029	0.024	0.028	0.028	0.024
RRUS 32 B2	27.2	12.1	7.0	52.9	1.23	41.02	2.46	1.50	0.101	0.062	0.091	0.091	0.062
RRUS 4426 B66	16.5	13.4	7.7	59.9	1.23	41.02	1.66	0.95	0.068	0.039	0.061	0.061	0.039
RRUS 32 B30	27.2	12.1	7.0	53.0	1.23	41.02	2.47	1.50	0.101	0.062	0.091	0.091	0.062
RRUS 11 B12	20.0	17.0	7.0	50.7	1.23	41.02	2.55	1.06	0.105	0.044	0.089	0.089	0.044
DC6-48-60-18-8F	31.3	11.0	11.0	32.8	1.23	40.92	1.09	1.21	0.045	0.050	0.046	0.046	0.050

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
HPA65R-BU6A	1.10	73.31	13.91	9.81	119.22	1.10	7.49	6.48	4.58	0.049	0.034	0.045	0.045	0.034
QS66512-2	1.10	74.21	14.21	11.81	134.70	1.10	7.49	4.41	3.81	0.033	0.029	0.032	0.032	0.029
OPA-65R-LCUU-H6	1.10	74.21	16.61	9.51	134.51	1.10	7.49	9.83	5.60	0.074	0.042	0.066	0.066	0.042
7770	1.10	57.21	13.21	7.21	78.50	1.10	7.49	3.85	2.11	0.029	0.016	0.026	0.026	0.016
HPA65R-BU8A	1.10	98.21	13.91	9.81	157.55	1.10	7.49	8.95	6.32	0.067	0.047	0.062	0.062	0.047
TPA-65R-LCUUUU-H8	1.10	98.21	16.61	10.81	186.06	1.10	7.49	12.58	8.11	0.094	0.061	0.086	0.086	0.061
OPA-65R-LCUU-H8	1.10	95.01	16.61	9.51	170.11	1.10	7.49	12.70	7.24	0.095	0.054	0.085	0.085	0.054
RRUS E2 B29	1.10	22.61	20.71	9.71	55.58	1.10	7.49	2.05	0.96	0.015	0.007	0.013	0.013	0.007
TPX-070821	1.10	8.04	11.86	4.26	9.42	1.10	7.49	0.42	0.15	0.003	0.001	0.003	0.003	0.001
LGP21401	1.10	16.41	8.91	7.61	19.39	1.10	7.49	0.64	0.55	0.005	0.004	0.005	0.005	0.004
RRUS 32 B2	1.10	29.41	14.26	9.21	50.79	1.10	7.49	1.84	1.21	0.014	0.009	0.013	0.013	0.009
RRUS 4426 B66	1.10	18.71	15.61	9.91	38.60	1.10	7.49	1.28	0.81	0.010	0.006	0.009	0.009	0.006
RRUS 32 B30	1.10	29.41	14.31	9.21	50.92	1.10	7.49	1.84	1.21	0.014	0.009	0.013	0.013	0.009
RRUS 11 B12	1.10	22.21	19.21	9.21	50.18	1.10	7.49	1.87	0.90	0.014	0.007	0.012	0.012	0.007
DC6-48-60-18-8F	1.10	33.46	13.21	13.21	66.64	1.10	7.47	1.94	1.94	0.014	0.014	0.014	0.014	0.014

Round Members

Member	q_z (lb/ft^2)	Wind Calculations Ar	C	Rr	Cf	EPA (ft^2)	Load (k/ft)	Width (in)	Weight (k/ft)	Ice Calculations q_z (lb/ft^2)	Arice	Rrice	Cf	EPA (ft^2)	Load (k/ft)
Face On	41.02	7.29	37.88	0.65	2.02	4.29	0.014	5.71	0.01	7.49	11.89	0.80	2.02	8.66	0.005
Face Off	41.02	3.65	37.88	0.65	1.20	2.54	0.004	5.71	0.01	7.49	5.95	0.80	1.20	5.14	0.002
Support Rail On	41.02	4.95	25.70	0.65	2.02	2.91	0.010	4.58	0.00	7.49	9.55	0.80	2.02	6.96	0.004
Support Rail Off	41.02	2.47	25.70	0.65	1.20	1.73	0.003	4.58	0.00	7.49	4.77	0.80	1.20	4.13	0.001
Standoff	41.02	2.00	43.29	0.64	1.20	1.38	0.005	6.21	0.01	7.49	3.10	0.80	1.20	2.69	0.002

Flat Members

Member	q_z (lb/ft^2)	Wind Calculations Af	Cf	EPA	Load (k/ft)	Width (in)	Weight (k/ft)	Ice Calculations q_z (lb/ft^2)	Arice	Rrice	Cf	EPA	Load (k/ft)
Grating Support	41.02	4.00	1.20	0.72	0.004	4.21	0.01	7.49	8.42	0.80	2.02	2.04	0.002
Corner	41.02	1.20	1.20	0.43	0.004	4.21	0.01	7.49	2.53	0.80	2.02	1.23	0.002
Kicker On	41.02	3.60	2.02	1.64	0.019	5.21	0.01	7.49	6.25	0.80	2.02	2.28	0.005
Kicker Off	41.02	1.80	1.20	0.97	0.006	5.21	0.01	7.49	3.13	0.80	2.02	2.28	0.002
Bottom Standoff	41.02	0.50	1.20	0.18	0.007	6.21	0.01	7.49	0.78	0.80	2.02	0.38	0.003
Top Angle	41.02	1.75	1.20	0.63	0.009	7.21	0.01	7.49	2.52	0.80	2.02	1.23	0.003
Plate	41.02	1.50	1.20	0.54	0.011	8.21	0.01	7.49	2.05	0.80	2.02	1.00	0.004

Appurtenance Seismic Calculations

Model	Weight	Sds	ρ	Cs	As	Ev	Eh
HPA65R-BU6A	54.5	0.268	1.000	0.134	1.000	0.003	0.007
QS66512-2	111.0	0.268	1.000	0.134	1.000	0.006	0.015
OPA-65R-LCUU-H6	80.0	0.268	1.000	0.134	1.000	0.004	0.011
7770	35.0	0.268	1.000	0.134	1.000	0.002	0.005
HPA65R-BU8A	54.0	0.268	1.000	0.134	1.000	0.003	0.007
TPA-65R-LCUUUU-H8	81.6	0.268	1.000	0.134	1.000	0.004	0.011
OPA-65R-LCUU-H8	70.9	0.268	1.000	0.134	1.000	0.004	0.009
RRUS E2 B29	52.9	0.268	1.000	0.134	1.000	0.003	0.007
TPX-070821	7.5	0.268	1.000	0.134	1.000	0.000	0.001
LGP21401	22.0	0.268	1.000	0.134	1.000	0.001	0.003
RRUS 32 B2	52.9	0.268	1.000	0.134	1.000	0.003	0.007
RRUS 4426 B66	59.9	0.268	1.000	0.134	1.000	0.003	0.008
RRUS 32 B30	53.0	0.268	1.000	0.134	1.000	0.003	0.007
RRUS 11 B12	50.7	0.268	1.000	0.134	1.000	0.003	0.007
DC6-48-60-18-8F	32.8	0.268	1.000	0.134	1.000	0.002	0.004

Version 2.1

APPENDIX C

Software Analysis Output

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
1	SUPPRAIL3	PIPE_2.0	12.5			Lbyy						Lateral
2	SUPPRAIL2	PIPE_2.0	12.5			Lbyy						Lateral
3	SUPPRAIL1	PIPE_2.0	12.5			Lbyy						Lateral
4	SUP3B	L2x2x3	4.041			Lbyy						Lateral
5	SUP3A	L2x2x3	4.041			Lbyy						Lateral
6	SUP2B	L2x2x3	4.041			Lbyy						Lateral
7	SUP2A	L2x2x3	4.041			Lbyy						Lateral
8	SUP1B	L2x2x3	4.041			Lbyy						Lateral
9	SUP1A	L2x2x3	4.041			Lbyy						Lateral
10	SO3b	HSS4X4X4	.5			Lbyy						Lateral
11	SO3a	PIPE_3.5	6		3.07	Lbyy						Lateral
12	SO2b	HSS4X4X4	.5			Lbyy						Lateral
13	SO2a	PIPE_3.5	6.001		3.07	Lbyy						Lateral
14	SO1b	HSS4X4X4	.5			Lbyy						Lateral
15	SO1a	PIPE_3.5	6		3.07	Lbyy						Lateral
16	PLATE12	6x0.375	.292			Lbyy						Lateral
17	PLATE11	6x0.375	.292			Lbyy						Lateral
18	PLATE10	6x0.375	.292			Lbyy						Lateral
19	PLATE9	6x0.375	.292			Lbyy						Lateral
20	PLATE8	6x0.375	.292			Lbyy						Lateral
21	PLATE7	6x0.375	.292			Lbyy						Lateral
22	PLATE6	6x0.375	.3			Lbyy						Lateral
23	PLATE5	6x0.375	.3			Lbyy						Lateral
24	PLATE4	6x0.375	.3			Lbyy						Lateral
25	PLATE3	6x0.375	.3			Lbyy						Lateral
26	PLATE2	6x0.375	.3			Lbyy						Lateral
27	PLATE1	6x0.375	.3			Lbyy						Lateral
28	MP GAM...	PIPE_2.5	8			Lbyy						Lateral
29	MP GAM...	PIPE_2.5	8			Lbyy						Lateral
30	MP GAM...	PIPE_2.5	8			Lbyy						Lateral
31	MP GAM...	PIPE_2.5	8			Lbyy						Lateral
32	MP BETA4	PIPE_2.5	8			Lbyy						Lateral
33	MP BETA3	PIPE_2.5	8			Lbyy						Lateral
34	MP BETA2	PIPE_2.5	8			Lbyy						Lateral
35	MP BETA1	PIPE_2.5	8			Lbyy						Lateral
36	MP ALPH...	PIPE_2.5	8			Lbyy						Lateral
37	MP ALPH...	PIPE_2.5	8			Lbyy						Lateral
38	MP ALPH...	PIPE_2.5	8			Lbyy						Lateral
39	MP ALPH...	PIPE_2.5	8			Lbyy						Lateral
40	KICKER3b	L3X3X4	3.359			Lbyy						Lateral
41	KICKER3A	L3X3X4	3.359			Lbyy						Lateral
42	KICKER2b	L3X3X4	3.359			Lbyy						Lateral
43	KICKER2a	L3X3X4	3.359			Lbyy						Lateral
44	KICKER1b	L3X3X4	3.359			Lbyy						Lateral
45	KICKER1a	L3X3X4	3.359			Lbyy						Lateral
46	FACE3	PIPE_3.0	12.5			Lbyy						Lateral
47	FACE2	PIPE_3.0	12.5			Lbyy						Lateral
48	FACE1	PIPE_3.0	12.5			Lbyy						Lateral
49	CORNER3	6x0.375	1.049			Lbyy						Lateral
50	CORNER2	6x0.375	1.049			Lbyy						Lateral
51	CORNER1	6x0.375	1.049			Lbyy						Lateral
52	ANGLE3	L5X5X5	1.395			Lbyy						Lateral
53	ANGLE2	L5X5X5	1.395			Lbyy						Lateral
54	ANGLE1	L5X5X5	1.395			Lbyy						Lateral
55	M130	PIPE_2.5	8		3.07	Lbyy						Lateral
56	SOPIPE	PIPE_2.0	3			Lbyy						Lateral

Cold Formed Steel Design Parameters

	Label	Shape	Length...	Lbyy[ft]	Lbzz[ft]	Lcomp to...	Lcomp bo...	L-torque[ft]	Kyy	Kzz	Cb	R	a[ft]	Funct...
1	CR3B	CU3.38x2...	2.395			Lbyy								Lateral
2	CR3A	CU3.38x2...	2.395			Lbyy								Lateral
3	CR2B	CU3.38x2...	2.395			Lbyy								Lateral
4	CR2A	CU3.38x2...	2.395			Lbyy								Lateral
5	CR1B	CU3.38x2...	2.395			Lbyy								Lateral
6	CR1A	CU3.38x2...	2.395			Lbyy								Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	SUPPRAIL3	N159	N160			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
2	SUPPRAIL2	N158	N157			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
3	SUPPRAIL1	N15...	N15...			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
4	SUP3B	N91	N88A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
5	SUP3A	N86A	N91			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
6	SUP2B	N89	N91A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
7	SUP2A	N89	N87B		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
8	SUP1B	N89A	N87A			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
9	SUP1A	N90	N89A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
10	SO3b	N18...	N18...			HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical
11	SO3a	N23...	N21			PIPE_3.5	Beam	Pipe	A53 Gr.B	Typical
12	SO2b	N200	N201			HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical
13	SO2a	N242	N14...			PIPE_3.5	Beam	Pipe	A53 Gr.B	Typical
14	SO1b	N19...	N19...			HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical
15	SO1a	N24...	N14...			PIPE_3.5	Beam	Pipe	A53 Gr.B	Typical
16	PLATE12	N182	N180		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
17	PLATE11	N179	N18...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
18	PLATE10	N17...	N16...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
19	PLATE9	N16...	N17...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
20	PLATE8	N170	N16...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
21	PLATE7	N16...	N169		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
22	PLATE6	N17...	N191		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
23	PLATE5	N173	N4		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
24	PLATE4	N194	N210		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
25	PLATE3	N188	N17...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
26	PLATE2	N207	N195		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
27	PLATE1	N3	N176		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
28	MP GAMMA4	N131	N130			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
29	MP GAMMA3	N127	N126			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
30	MP GAMMA2	N19...	N19...			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
31	MP GAMMA1	N119	N118			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
32	MP BETA4	N152	N151			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
33	MP BETA3	N148	N147			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
34	MP BETA2	N20...	N20...			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
35	MP BETA1	N140	N139			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
36	MP ALPHA4	N11...	N11...			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
37	MP ALPHA3	N10...	N105			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
38	MP ALPHA2	N18...	N187			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
39	MP ALPHA1	N94	N93A			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
40	KICKER3b	N186	N18...			L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
41	KICKER3A	N185	N18...		270	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
42	KICKER2b	N204	N198		240	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
43	KICKER2a	N203	N199		160	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
44	KICKER1b	N19...	N18...		110	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
45	KICKER1a	N19...	N19...		20	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
46	FACE3	N15	N16			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
47	FACE2	N10	N9A			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
48	FACE1	N2	N1			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
49	CR3B	N92	N167		90	CU3.38x2.06	Beam	CU	A1011	Typical
50	CR3A	N168	N93		90	CU3.38x2.06	Beam	CU	A1011	Typical
51	CR2B	N32	N16...		270	CU3.38x2.06	Beam	CU	A1011	Typical
52	CR2A	N33	N16...		270	CU3.38x2.06	Beam	CU	A1011	Typical
53	CR1B	N164	N89B		90	CU3.38x2.06	Beam	CU	A1011	Typical
54	CR1A	N165	N90A		90	CU3.38x2.06	Beam	CU	A1011	Typical
55	CORNER3	N4	N17...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
56	CORNER2	N17...	N194		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
57	CORNER1	N195	N3		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
58	ANGLE3	N19...	N19...		180	L5X5X5	Beam	Single Angle	A36 Gr.36	Typical
59	ANGLE2	N19...	N19...			L5X5X5	Beam	Single Angle	A36 Gr.36	Typical
60	ANGLE1	N19...	N19...			L5X5X5	Beam	Single Angle	A36 Gr.36	Typical
61	69	N19...	N20...			RIGID	None	None	RIGID	Typical
62	68	N20...	N20...			RIGID	None	None	RIGID	Typical
63	67	N19...	N19...			RIGID	None	None	RIGID	Typical
64	66	N196	N19...			RIGID	None	None	RIGID	Typical
65	65	N204	N202			RIGID	None	None	RIGID	Typical
66	64	N202	N203			RIGID	None	None	RIGID	Typical
67	63	N197	N198			RIGID	None	None	RIGID	Typical
68	62	N197	N199			RIGID	None	None	RIGID	Typical
69	61	N19...	N19...			RIGID	None	None	RIGID	Typical
70	60	N19...	N19...			RIGID	None	None	RIGID	Typical
71	59	N18...	N18...			RIGID	None	None	RIGID	Typical
72	58	N18...	N19...			RIGID	None	None	RIGID	Typical
73	57	N186	N18...			RIGID	None	None	RIGID	Typical
74	56	N18...	N185			RIGID	None	None	RIGID	Typical
75	55	N17...	N18...			RIGID	None	None	RIGID	Typical
76	54	N17...	N18...			RIGID	None	None	RIGID	Typical
77	53	N183	N17...			RIGID	None	None	RIGID	Typical
78	52	N184	N17...			RIGID	None	None	RIGID	Typical
79	51	N32	N180			RIGID	None	None	RIGID	Typical
80	50	N90A	N179			RIGID	None	None	RIGID	Typical
81	49	N17...	N16...			RIGID	None	None	RIGID	Typical
82	48	N17...	N16...			RIGID	None	None	RIGID	Typical
83	47	N92	N16...			RIGID	None	None	RIGID	Typical
84	46	N33	N16...			RIGID	None	None	RIGID	Typical
85	45	N181	N18...			RIGID	None	None	RIGID	Typical
86	44	N18...	N18...			RIGID	None	None	RIGID	Typical
87	43	N18...	N18...			RIGID	None	None	RIGID	Typical
88	42	N17...	N17...			RIGID	None	None	RIGID	Typical
89	41	N17...	N17...			RIGID	None	None	RIGID	Typical
90	40	N17...	N17...			RIGID	None	None	RIGID	Typical
91	39	N161	N162			RIGID	None	None	RIGID	Typical
92	38	N16...	N166			RIGID	None	None	RIGID	Typical
93	37	N16...	N16...			RIGID	None	None	RIGID	Typical
94	36	N137	N138			RIGID	None	None	RIGID	Typical
95	35	N145	N146			RIGID	None	None	RIGID	Typical
96	34	N149	N150			RIGID	None	None	RIGID	Typical
97	33	N116	N117			RIGID	None	None	RIGID	Typical
98	32	N18...	N18...			RIGID	None	None	RIGID	Typical
99	31	N124	N125			RIGID	None	None	RIGID	Typical
100	30	N128	N129			RIGID	None	None	RIGID	Typical
101	29	N211	N212			RIGID	None	None	RIGID	Typical
102	28	N208	N209			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
103	27	N192	N193			RIGID	None	None	RIGID	Typical
104	26	N189	N190			RIGID	None	None	RIGID	Typical
105	25	N177	N178			RIGID	None	None	RIGID	Typical
106	24	N174	N175			RIGID	None	None	RIGID	Typical
107	23	N171	N47			RIGID	None	None	RIGID	Typical
108	22	N172	N38			RIGID	None	None	RIGID	Typical
109	21	N18...	N19...			RIGID	None	None	RIGID	Typical
110	20	N89B	N16...			RIGID	None	None	RIGID	Typical
111	19	N93	N16...			RIGID	None	None	RIGID	Typical
112	18	N48	N168			RIGID	None	None	RIGID	Typical
113	17	N167	N48			RIGID	None	None	RIGID	Typical
114	16	N164	N40			RIGID	None	None	RIGID	Typical
115	15	N165	N40			RIGID	None	None	RIGID	Typical
116	14	N34	N16...			RIGID	None	None	RIGID	Typical
117	13	N34	N16...			RIGID	None	None	RIGID	Typical
118	12	N10...	N10...			RIGID	None	None	RIGID	Typical
119	11	N101	N103			RIGID	None	None	RIGID	Typical
120	10	N89D	N91B			RIGID	None	None	RIGID	Typical
121	9	N112	N91A			RIGID	None	None	RIGID	Typical
122	8	N10...	N89			RIGID	None	None	RIGID	Typical
123	7	N109	N87B			RIGID	None	None	RIGID	Typical
124	6	N110	N88A			RIGID	None	None	RIGID	Typical
125	5	N106	N91			RIGID	None	None	RIGID	Typical
126	4	N107	N86A			RIGID	None	None	RIGID	Typical
127	3	N108	N87A			RIGID	None	None	RIGID	Typical
128	2	N111	N90			RIGID	None	None	RIGID	Typical
129	1	N10...	N89A			RIGID	None	None	RIGID	Typical
130	M130	N205	N206			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
131	M133	N20...	N20...			RIGID	None	None	RIGID	Typical
132	M133A	N20...	N20...			RIGID	None	None	RIGID	Typical
133	M133B	N20...	N21...			RIGID	None	None	RIGID	Typical
134	SOPIPE	N21...	N21...			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
135	M135	N213	N214			RIGID	None	None	RIGID	Typical
136	DCCONN	N214	N215			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physi...	Defl ...	Analysi...	Inactive	Seis...
1	SUPPRAIL3						Yes				None
2	SUPPRAIL2						Yes				None
3	SUPPRAIL1						Yes				None
4	SUP3B						Yes				None
5	SUP3A						Yes				None
6	SUP2B						Yes				None
7	SUP2A						Yes				None
8	SUP1B						Yes				None
9	SUP1A						Yes				None
10	SO3b						Yes				None
11	SO3a						Yes				None
12	SO2b						Yes				None
13	SO2a						Yes				None
14	SO1b						Yes				None
15	SO1a						Yes				None
16	PLATE12						Yes				None
17	PLATE11						Yes				None
18	PLATE10						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physi...	Defl ...	Analysi...	Inactive	Seis...
19	PLATE9						Yes				None
20	PLATE8						Yes				None
21	PLATE7						Yes				None
22	PLATE6						Yes				None
23	PLATE5						Yes				None
24	PLATE4						Yes				None
25	PLATE3						Yes				None
26	PLATE2						Yes				None
27	PLATE1						Yes				None
28	MP GAMMA4						Yes				None
29	MP GAMMA3						Yes				None
30	MP GAMMA2						Yes				None
31	MP GAMMA1						Yes				None
32	MP BETA4						Yes				None
33	MP BETA3						Yes				None
34	MP BETA2						Yes				None
35	MP BETA1						Yes				None
36	MP ALPHA4						Yes				None
37	MP ALPHA3						Yes				None
38	MP ALPHA2						Yes				None
39	MP ALPHA1						Yes				None
40	KICKER3b	OOOOOX	OOOOOX				Yes	Default			None
41	KICKER3A	OOOOXO	OOOOXO				Yes	Default			None
42	KICKER2b	OOOOOX	OOOOOX				Yes	Default			None
43	KICKER2a	OOOOXO	OOOOXO				Yes	Default			None
44	KICKER1b	OOOOOX	OOOOOX				Yes	Default			None
45	KICKER1a	OOOOXO	OOOOXO				Yes	Default			None
46	FACE3						Yes				None
47	FACE2						Yes				None
48	FACE1						Yes				None
49	CR3B						Yes	Default			None
50	CR3A						Yes	Default			None
51	CR2B						Yes	Default			None
52	CR2A		OOOO...				Yes	Default			None
53	CR1B						Yes	Default			None
54	CR1A						Yes	Default			None
55	CORNER3						Yes				None
56	CORNER2						Yes				None
57	CORNER1						Yes				None
58	ANGLE3						Yes				None
59	ANGLE2						Yes				None
60	ANGLE1						Yes				None
61	69						Yes	** NA...			None
62	68						Yes	** NA...			None
63	67						Yes	** NA...			None
64	66						Yes	** NA...			None
65	65						Yes	** NA...			None
66	64						Yes	** NA...			None
67	63						Yes	** NA...			None
68	62						Yes	** NA...			None
69	61						Yes	** NA...			None
70	60						Yes	** NA...			None
71	59						Yes	** NA...			None
72	58						Yes	** NA...			None
73	57						Yes	** NA...			None
74	56						Yes	** NA...			None
75	55						Yes	** NA...			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physi...	Defl ...	Analysi...	Inactive	Seis...
76	54						Yes	** NA...			None
77	53		OOOXOO				Yes	** NA...			None
78	52		OOOXOO				Yes	** NA...			None
79	51						Yes	** NA...			None
80	50						Yes	** NA...			None
81	49		OOOXOO				Yes	** NA...			None
82	48		OOOXOO				Yes	** NA...			None
83	47						Yes	** NA...			None
84	46						Yes	** NA...			None
85	45						Yes	** NA...			None
86	44						Yes	** NA...			None
87	43						Yes	** NA...			None
88	42						Yes	** NA...			None
89	41						Yes	** NA...			None
90	40						Yes	** NA...			None
91	39						Yes	** NA...			None
92	38						Yes	** NA...			None
93	37						Yes	** NA...			None
94	36						Yes	** NA...			None
95	35						Yes	** NA...			None
96	34						Yes	** NA...			None
97	33						Yes	** NA...			None
98	32						Yes	** NA...			None
99	31						Yes	** NA...			None
100	30						Yes	** NA...			None
101	29		OOOXOO				Yes	** NA...			None
102	28		OOOXOO				Yes	** NA...			None
103	27		OOOXOO				Yes	** NA...			None
104	26		OOOXOO				Yes	** NA...			None
105	25		OOOXOO				Yes	** NA...			None
106	24		OOOXOO				Yes	** NA...			None
107	23		OOOXOO				Yes	** NA...			None
108	22		OOOXOO				Yes	** NA...			None
109	21						Yes	** NA...			None
110	20						Yes	** NA...			None
111	19						Yes	** NA...			None
112	18						Yes	** NA...			None
113	17						Yes	** NA...			None
114	16						Yes	** NA...			None
115	15						Yes	** NA...			None
116	14						Yes	** NA...			None
117	13						Yes	** NA...			None
118	12						Yes	** NA...			None
119	11						Yes	** NA...			None
120	10						Yes	** NA...			None
121	9						Yes	** NA...			None
122	8						Yes	** NA...			None
123	7						Yes	** NA...			None
124	6						Yes	** NA...			None
125	5						Yes	** NA...			None
126	4						Yes	** NA...			None
127	3						Yes	** NA...			None
128	2						Yes	** NA...			None
129	1						Yes	** NA...			None
130	M130						Yes				None
131	M133						Yes	** NA...			None
132	M133A						Yes	** NA...			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physi...	Defl ...	Analysi...	Inactive	Seis...
133	M133B						Yes	** NA...			None
134	SOPIPE						Yes				None
135	M135						Yes	** NA...			None
136	DCCONN						Yes	** NA...			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	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
8	A500 Gr. 46	29000	11154	.3	.65	.527	46	1.4	65	1.3
9	A500 Gr. c	29000	11154	.3	.65	.527	46	1.3	50	1.2

Cold Formed Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	Yield[ksi]	Fu[ksi]
1	A653 SS Gr33	29500	11346	.3	.65	.49	33	45
2	A653 SS Gr50/1	29500	11346	.3	.65	.49	50	65
3	A1011	29000	11154	.3	.65	.49	40	58

Member Point Loads (BLC 1 : Wind Load (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.124	6.083
2	MP GAMMA2	Y	-.169	6.083
3	MP GAMMA3	Y	-.154	6
4	MP ALPHA1	Y	-.121	5.5
5	MP ALPHA2	Y	-.082	5.5
6	MP ALPHA3	Y	-.189	5.5
7	MP BETA1	Y	-.089	5.5
8	MP BETA2	Y	-.072	5.5
9	MP BETA3	Y	-.118	5.5
10	SOPIPE	Y	-.07	2
11	DCCONN	Y	-.042	2
12	MP GAMMA4	Y	-.042	5
13	MP ALPHA1	Y	-.116	4
14	MP ALPHA2	Y	-.203	4
15	MP ALPHA3	Y	-.206	4
16	MP ALPHA4	Y	-.059	4
17	MP BETA1	Y	-.065	4
18	MP BETA2	Y	-.132	4
19	MP BETA3	Y	-.13	4
20	MP BETA4	Y	-.05	4
21	MP GAMMA1	Y	-.065	4
22	MP GAMMA2	Y	-.132	4
23	MP GAMMA3	Y	-.13	4
24	MP GAMMA4	Y	-.05	4
25	MP ALPHA1	Y	-.045	3
26	MP ALPHA4	Y	-.07	3
27	MP BETA1	Y	-.048	3

Member Point Loads (BLC 1 : Wind Load (0)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP BETA4	Y	-.042	3
29	MP GAMMA1	Y	-.048	3
30	MP GAMMA4	Y	-.042	3
31	MP ALPHA1	Y	-.121	2.5
32	MP ALPHA2	Y	-.082	2.5
33	MP ALPHA3	Y	-.189	2.5
34	MP BETA1	Y	-.089	2.5
35	MP BETA2	Y	-.072	2.5
36	MP BETA3	Y	-.118	2.5
37	MP GAMMA3	Y	-.154	2
38	MP GAMMA1	Y	-.124	1.917
39	MP GAMMA2	Y	-.169	1.917

Member Point Loads (BLC 2 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Z	-.027	6.083
2	MP GAMMA2	Z	-.041	6.083
3	MP GAMMA3	Z	-.035	6
4	MP ALPHA1	Z	-.027	5.5
5	MP ALPHA2	Z	-.056	5.5
6	MP ALPHA3	Z	-.04	5.5
7	MP BETA1	Z	-.027	5.5
8	MP BETA2	Z	-.056	5.5
9	MP BETA3	Z	-.04	5.5
10	SOPIPE	Z	-.018	2
11	DCCONN	Z	-.018	2
12	MP GAMMA4	Z	-.018	5
13	MP ALPHA1	Z	-.053	4
14	MP ALPHA2	Z	-.128	4
15	MP ALPHA3	Z	-.104	4
16	MP ALPHA4	Z	-.044	4
17	MP BETA1	Z	-.053	4
18	MP BETA2	Z	-.128	4
19	MP BETA3	Z	-.104	4
20	MP BETA4	Z	-.044	4
21	MP GAMMA1	Z	-.053	4
22	MP GAMMA2	Z	-.128	4
23	MP GAMMA3	Z	-.104	4
24	MP GAMMA4	Z	-.044	4
25	MP ALPHA1	Z	-.033	3
26	MP ALPHA4	Z	-.018	3
27	MP BETA1	Z	-.033	3
28	MP BETA4	Z	-.018	3
29	MP GAMMA1	Z	-.033	3
30	MP GAMMA4	Z	-.018	3
31	MP ALPHA1	Z	-.027	2.5
32	MP ALPHA2	Z	-.056	2.5
33	MP ALPHA3	Z	-.04	2.5
34	MP BETA1	Z	-.027	2.5
35	MP BETA2	Z	-.056	2.5
36	MP BETA3	Z	-.04	2.5
37	MP GAMMA3	Z	-.035	2
38	MP GAMMA1	Z	-.027	1.917
39	MP GAMMA2	Z	-.041	1.917

Member Point Loads (BLC 3 : Live Load)

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

Member Point Loads (BLC 4 : Ice Wind Load (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.026	6.083
2	MP GAMMA2	Y	-.035	6.083
3	MP GAMMA3	Y	-.032	6
4	MP ALPHA1	Y	-.024	5.5
5	MP ALPHA2	Y	-.017	5.5
6	MP ALPHA3	Y	-.037	5.5
7	MP BETA1	Y	-.019	5.5
8	MP BETA2	Y	-.015	5.5
9	MP BETA3	Y	-.025	5.5
10	SOPIPE	Y	-.014	2
11	DCCONN	Y	-.01	2
12	MP GAMMA4	Y	-.01	5
13	MP ALPHA1	Y	-.015	4
14	MP ALPHA2	Y	-.03	4
15	MP ALPHA3	Y	-.028	4
16	MP ALPHA4	Y	-.01	4
17	MP BETA1	Y	-.009	4
18	MP BETA2	Y	-.02	4
19	MP BETA3	Y	-.019	4
20	MP BETA4	Y	-.009	4
21	MP GAMMA1	Y	-.009	4
22	MP GAMMA2	Y	-.02	4
23	MP GAMMA3	Y	-.019	4
24	MP GAMMA4	Y	-.009	4
25	MP ALPHA1	Y	-.014	3
26	MP ALPHA4	Y	-.014	3
27	MP BETA1	Y	-.014	3
28	MP BETA4	Y	-.01	3
29	MP GAMMA1	Y	-.014	3
30	MP GAMMA4	Y	-.01	3
31	MP ALPHA1	Y	-.024	2.5
32	MP ALPHA2	Y	-.017	2.5
33	MP ALPHA3	Y	-.037	2.5
34	MP BETA1	Y	-.019	2.5
35	MP BETA2	Y	-.015	2.5
36	MP BETA3	Y	-.025	2.5
37	MP GAMMA3	Y	-.032	2
38	MP GAMMA1	Y	-.026	1.917
39	MP GAMMA2	Y	-.035	1.917

Member Point Loads (BLC 5 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Z	-.079	6.083
2	MP GAMMA2	Z	-.093	6.083
3	MP GAMMA3	Z	-.085	6
4	MP ALPHA1	Z	-.06	5.5
5	MP ALPHA2	Z	-.067	5.5
6	MP ALPHA3	Z	-.067	5.5
7	MP BETA1	Z	-.06	5.5
8	MP BETA2	Z	-.067	5.5
9	MP BETA3	Z	-.067	5.5
10	SOPIPE	Z	-.039	2

Member Point Loads (BLC 5 : Ice Dead Load) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	DCCONN	Z	-.039	2
12	MP GAMMA4	Z	-.039	5
13	MP ALPHA1	Z	-.056	4
14	MP ALPHA2	Z	-.108	4
15	MP ALPHA3	Z	-.101	4
16	MP ALPHA4	Z	-.039	4
17	MP BETA1	Z	-.056	4
18	MP BETA2	Z	-.108	4
19	MP BETA3	Z	-.101	4
20	MP BETA4	Z	-.039	4
21	MP GAMMA1	Z	-.056	4
22	MP GAMMA2	Z	-.108	4
23	MP GAMMA3	Z	-.101	4
24	MP GAMMA4	Z	-.039	4
25	MP ALPHA1	Z	-.067	3
26	MP ALPHA4	Z	-.039	3
27	MP BETA1	Z	-.067	3
28	MP BETA4	Z	-.039	3
29	MP GAMMA1	Z	-.067	3
30	MP GAMMA4	Z	-.039	3
31	MP ALPHA1	Z	-.06	2.5
32	MP ALPHA2	Z	-.067	2.5
33	MP ALPHA3	Z	-.067	2.5
34	MP BETA1	Z	-.06	2.5
35	MP BETA2	Z	-.067	2.5
36	MP BETA3	Z	-.067	2.5
37	MP GAMMA3	Z	-.085	2
38	MP GAMMA1	Z	-.079	1.917
39	MP GAMMA2	Z	-.093	1.917

Member Point Loads (BLC 6 : Wind Load (30))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.133	6.083
2	MP GAMMA1	X	-.077	6.083
3	MP GAMMA2	Y	-.189	6.083
4	MP GAMMA2	X	-.109	6.083
5	MP GAMMA3	Y	-.186	6
6	MP GAMMA3	X	-.107	6
7	MP ALPHA1	Y	-.095	5.5
8	MP ALPHA1	X	-.055	5.5
9	MP ALPHA2	Y	-.068	5.5
10	MP ALPHA2	X	-.039	5.5
11	MP ALPHA3	Y	-.143	5.5
12	MP ALPHA3	X	-.083	5.5
13	MP BETA1	Y	-.068	5.5
14	MP BETA1	X	-.039	5.5
15	MP BETA2	Y	-.06	5.5
16	MP BETA2	X	-.035	5.5
17	MP BETA3	Y	-.082	5.5
18	MP BETA3	X	-.048	5.5
19	SOPIPE	Y	-.053	2
20	SOPIPE	X	-.03	2
21	DCCONN	Y	-.028	2
22	DCCONN	X	-.016	2
23	MP GAMMA4	Y	-.053	5
24	MP GAMMA4	X	-.03	5

Member Point Loads (BLC 6 : Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA1	Y	-.086	4
26	MP ALPHA1	X	-.049	4
27	MP ALPHA2	Y	-.156	4
28	MP ALPHA2	X	-.09	4
29	MP ALPHA3	Y	-.156	4
30	MP ALPHA3	X	-.09	4
31	MP ALPHA4	Y	-.048	4
32	MP ALPHA4	X	-.028	4
33	MP BETA1	Y	-.041	4
34	MP BETA1	X	-.024	4
35	MP BETA2	Y	-.094	4
36	MP BETA2	X	-.054	4
37	MP BETA3	Y	-.091	4
38	MP BETA3	X	-.053	4
39	MP BETA4	Y	-.041	4
40	MP BETA4	X	-.024	4
41	MP GAMMA1	Y	-.086	4
42	MP GAMMA1	X	-.049	4
43	MP GAMMA2	Y	-.156	4
44	MP GAMMA2	X	-.09	4
45	MP GAMMA3	Y	-.156	4
46	MP GAMMA3	X	-.09	4
47	MP GAMMA4	Y	-.048	4
48	MP GAMMA4	X	-.028	4
49	MP ALPHA1	Y	-.04	3
50	MP ALPHA1	X	-.023	3
51	MP ALPHA4	Y	-.053	3
52	MP ALPHA4	X	-.03	3
53	MP BETA1	Y	-.043	3
54	MP BETA1	X	-.025	3
55	MP BETA4	Y	-.028	3
56	MP BETA4	X	-.016	3
57	MP GAMMA1	Y	-.04	3
58	MP GAMMA1	X	-.023	3
59	MP GAMMA4	Y	-.053	3
60	MP GAMMA4	X	-.03	3
61	MP ALPHA1	Y	-.095	2.5
62	MP ALPHA1	X	-.055	2.5
63	MP ALPHA2	Y	-.068	2.5
64	MP ALPHA2	X	-.039	2.5
65	MP ALPHA3	Y	-.143	2.5
66	MP ALPHA3	X	-.083	2.5
67	MP BETA1	Y	-.068	2.5
68	MP BETA1	X	-.039	2.5
69	MP BETA2	Y	-.06	2.5
70	MP BETA2	X	-.035	2.5
71	MP BETA3	Y	-.082	2.5
72	MP BETA3	X	-.048	2.5
73	MP GAMMA3	Y	-.186	2
74	MP GAMMA3	X	-.107	2
75	MP GAMMA1	Y	-.133	1.917
76	MP GAMMA1	X	-.077	1.917
77	MP GAMMA2	Y	-.189	1.917
78	MP GAMMA2	X	-.109	1.917

Member Point Loads (BLC 7 : Ice Wind Load (30))

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

Member Point Loads (BLC 7 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.027	6.083
2	MP GAMMA1	X	-.016	6.083
3	MP GAMMA2	Y	-.037	6.083
4	MP GAMMA2	X	-.021	6.083
5	MP GAMMA3	Y	-.037	6
6	MP GAMMA3	X	-.021	6
7	MP ALPHA1	Y	-.019	5.5
8	MP ALPHA1	X	-.011	5.5
9	MP ALPHA2	Y	-.014	5.5
10	MP ALPHA2	X	-.008	5.5
11	MP ALPHA3	Y	-.028	5.5
12	MP ALPHA3	X	-.016	5.5
13	MP BETA1	Y	-.015	5.5
14	MP BETA1	X	-.009	5.5
15	MP BETA2	Y	-.012	5.5
16	MP BETA2	X	-.007	5.5
17	MP BETA3	Y	-.018	5.5
18	MP BETA3	X	-.01	5.5
19	SOPIPE	Y	-.011	2
20	SOPIPE	X	-.006	2
21	DCCONN	Y	-.007	2
22	DCCONN	X	-.004	2
23	MP GAMMA4	Y	-.011	5
24	MP GAMMA4	X	-.006	5
25	MP ALPHA1	Y	-.012	4
26	MP ALPHA1	X	-.007	4
27	MP ALPHA2	Y	-.023	4
28	MP ALPHA2	X	-.013	4
29	MP ALPHA3	Y	-.021	4
30	MP ALPHA3	X	-.012	4
31	MP ALPHA4	Y	-.008	4
32	MP ALPHA4	X	-.005	4
33	MP BETA1	Y	-.006	4
34	MP BETA1	X	-.004	4
35	MP BETA2	Y	-.015	4
36	MP BETA2	X	-.009	4
37	MP BETA3	Y	-.014	4
38	MP BETA3	X	-.008	4
39	MP BETA4	Y	-.007	4
40	MP BETA4	X	-.004	4
41	MP GAMMA1	Y	-.012	4
42	MP GAMMA1	X	-.007	4
43	MP GAMMA2	Y	-.023	4
44	MP GAMMA2	X	-.013	4
45	MP GAMMA3	Y	-.021	4
46	MP GAMMA3	X	-.012	4
47	MP GAMMA4	Y	-.008	4
48	MP GAMMA4	X	-.005	4
49	MP ALPHA1	Y	-.013	3
50	MP ALPHA1	X	-.007	3
51	MP ALPHA4	Y	-.011	3
52	MP ALPHA4	X	-.006	3
53	MP BETA1	Y	-.013	3
54	MP BETA1	X	-.007	3
55	MP BETA4	Y	-.007	3
56	MP BETA4	X	-.004	3
57	MP GAMMA1	Y	-.013	3

Member Point Loads (BLC 7 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP GAMMA1	X	-.007	3
59	MP GAMMA4	Y	-.011	3
60	MP GAMMA4	X	-.006	3
61	MP ALPHA1	Y	-.019	2.5
62	MP ALPHA1	X	-.011	2.5
63	MP ALPHA2	Y	-.014	2.5
64	MP ALPHA2	X	-.008	2.5
65	MP ALPHA3	Y	-.028	2.5
66	MP ALPHA3	X	-.016	2.5
67	MP BETA1	Y	-.015	2.5
68	MP BETA1	X	-.009	2.5
69	MP BETA2	Y	-.012	2.5
70	MP BETA2	X	-.007	2.5
71	MP BETA3	Y	-.018	2.5
72	MP BETA3	X	-.01	2.5
73	MP GAMMA3	Y	-.037	2
74	MP GAMMA3	X	-.021	2
75	MP GAMMA1	Y	-.027	1.917
76	MP GAMMA1	X	-.016	1.917
77	MP GAMMA2	Y	-.037	1.917
78	MP GAMMA2	X	-.021	1.917

Member Point Loads (BLC 8 : Wind Load (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.084	6.083
2	MP GAMMA1	X	-.145	6.083
3	MP GAMMA2	Y	-.122	6.083
4	MP GAMMA2	X	-.211	6.083
5	MP GAMMA3	Y	-.123	6
6	MP GAMMA3	X	-.212	6
7	MP ALPHA1	Y	-.044	5.5
8	MP ALPHA1	X	-.077	5.5
9	MP ALPHA2	Y	-.036	5.5
10	MP ALPHA2	X	-.063	5.5
11	MP ALPHA3	Y	-.059	5.5
12	MP ALPHA3	X	-.103	5.5
13	MP BETA1	Y	-.044	5.5
14	MP BETA1	X	-.077	5.5
15	MP BETA2	Y	-.036	5.5
16	MP BETA2	X	-.063	5.5
17	MP BETA3	Y	-.059	5.5
18	MP BETA3	X	-.103	5.5
19	SOPIPE	Y	-.021	2
20	SOPIPE	X	-.036	2
21	DCCONN	Y	-.021	2
22	DCCONN	X	-.036	2
23	MP GAMMA4	Y	-.035	5
24	MP GAMMA4	X	-.061	5
25	MP ALPHA1	Y	-.032	4
26	MP ALPHA1	X	-.056	4
27	MP ALPHA2	Y	-.066	4
28	MP ALPHA2	X	-.114	4
29	MP ALPHA3	Y	-.065	4
30	MP ALPHA3	X	-.113	4
31	MP ALPHA4	Y	-.025	4
32	MP ALPHA4	X	-.043	4

Member Point Loads (BLC 8 : Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP BETA1	Y	-.032	4
34	MP BETA1	X	-.056	4
35	MP BETA2	Y	-.066	4
36	MP BETA2	X	-.114	4
37	MP BETA3	Y	-.065	4
38	MP BETA3	X	-.113	4
39	MP BETA4	Y	-.025	4
40	MP BETA4	X	-.043	4
41	MP GAMMA1	Y	-.058	4
42	MP GAMMA1	X	-.101	4
43	MP GAMMA2	Y	-.102	4
44	MP GAMMA2	X	-.176	4
45	MP GAMMA3	Y	-.103	4
46	MP GAMMA3	X	-.178	4
47	MP GAMMA4	Y	-.029	4
48	MP GAMMA4	X	-.051	4
49	MP ALPHA1	Y	-.024	3
50	MP ALPHA1	X	-.042	3
51	MP ALPHA4	Y	-.021	3
52	MP ALPHA4	X	-.036	3
53	MP BETA1	Y	-.024	3
54	MP BETA1	X	-.042	3
55	MP BETA4	Y	-.021	3
56	MP BETA4	X	-.036	3
57	MP GAMMA1	Y	-.022	3
58	MP GAMMA1	X	-.039	3
59	MP GAMMA4	Y	-.035	3
60	MP GAMMA4	X	-.061	3
61	MP ALPHA1	Y	-.044	2.5
62	MP ALPHA1	X	-.077	2.5
63	MP ALPHA2	Y	-.036	2.5
64	MP ALPHA2	X	-.063	2.5
65	MP ALPHA3	Y	-.059	2.5
66	MP ALPHA3	X	-.103	2.5
67	MP BETA1	Y	-.044	2.5
68	MP BETA1	X	-.077	2.5
69	MP BETA2	Y	-.036	2.5
70	MP BETA2	X	-.063	2.5
71	MP BETA3	Y	-.059	2.5
72	MP BETA3	X	-.103	2.5
73	MP GAMMA3	Y	-.123	2
74	MP GAMMA3	X	-.212	2
75	MP GAMMA1	Y	-.084	1.917
76	MP GAMMA1	X	-.145	1.917
77	MP GAMMA2	Y	-.122	1.917
78	MP GAMMA2	X	-.211	1.917

Member Point Loads (BLC 9 : Ice Wind Load (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.017	6.083
2	MP GAMMA1	X	-.029	6.083
3	MP GAMMA2	Y	-.024	6.083
4	MP GAMMA2	X	-.041	6.083
5	MP GAMMA3	Y	-.024	6
6	MP GAMMA3	X	-.041	6
7	MP ALPHA1	Y	-.009	5.5

Member Point Loads (BLC 9 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
8	MP ALPHA1	X	-.016	5.5
9	MP ALPHA2	Y	-.007	5.5
10	MP ALPHA2	X	-.013	5.5
11	MP ALPHA3	Y	-.012	5.5
12	MP ALPHA3	X	-.022	5.5
13	MP BETA1	Y	-.009	5.5
14	MP BETA1	X	-.016	5.5
15	MP BETA2	Y	-.007	5.5
16	MP BETA2	X	-.013	5.5
17	MP BETA3	Y	-.012	5.5
18	MP BETA3	X	-.022	5.5
19	SOPIPE	Y	-.005	2
20	SOPIPE	X	-.008	2
21	DCCONN	Y	-.005	2
22	DCCONN	X	-.008	2
23	MP GAMMA4	Y	-.007	5
24	MP GAMMA4	X	-.012	5
25	MP ALPHA1	Y	-.005	4
26	MP ALPHA1	X	-.008	4
27	MP ALPHA2	Y	-.01	4
28	MP ALPHA2	X	-.018	4
29	MP ALPHA3	Y	-.009	4
30	MP ALPHA3	X	-.016	4
31	MP ALPHA4	Y	-.004	4
32	MP ALPHA4	X	-.007	4
33	MP BETA1	Y	-.005	4
34	MP BETA1	X	-.008	4
35	MP BETA2	Y	-.01	4
36	MP BETA2	X	-.018	4
37	MP BETA3	Y	-.009	4
38	MP BETA3	X	-.016	4
39	MP BETA4	Y	-.004	4
40	MP BETA4	X	-.007	4
41	MP GAMMA1	Y	-.008	4
42	MP GAMMA1	X	-.013	4
43	MP GAMMA2	Y	-.015	4
44	MP GAMMA2	X	-.026	4
45	MP GAMMA3	Y	-.014	4
46	MP GAMMA3	X	-.024	4
47	MP GAMMA4	Y	-.005	4
48	MP GAMMA4	X	-.008	4
49	MP ALPHA1	Y	-.007	3
50	MP ALPHA1	X	-.013	3
51	MP ALPHA4	Y	-.005	3
52	MP ALPHA4	X	-.008	3
53	MP BETA1	Y	-.007	3
54	MP BETA1	X	-.013	3
55	MP BETA4	Y	-.005	3
56	MP BETA4	X	-.008	3
57	MP GAMMA1	Y	-.007	3
58	MP GAMMA1	X	-.013	3
59	MP GAMMA4	Y	-.007	3
60	MP GAMMA4	X	-.012	3
61	MP ALPHA1	Y	-.009	2.5
62	MP ALPHA1	X	-.016	2.5
63	MP ALPHA2	Y	-.007	2.5
64	MP ALPHA2	X	-.013	2.5

Member Point Loads (BLC 9 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
65	MP ALPHA3	Y	-.012	2.5
66	MP ALPHA3	X	-.022	2.5
67	MP BETA1	Y	-.009	2.5
68	MP BETA1	X	-.016	2.5
69	MP BETA2	Y	-.007	2.5
70	MP BETA2	X	-.013	2.5
71	MP BETA3	Y	-.012	2.5
72	MP BETA3	X	-.022	2.5
73	MP GAMMA3	Y	-.024	2
74	MP GAMMA3	X	-.041	2
75	MP GAMMA1	Y	-.017	1.917
76	MP GAMMA1	X	-.029	1.917
77	MP GAMMA2	Y	-.024	1.917
78	MP GAMMA2	X	-.041	1.917

Member Point Loads (BLC 10 : Wind Load (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	X	-.153	6.083
2	MP GAMMA2	X	-.219	6.083
3	MP GAMMA3	X	-.215	6
4	MP ALPHA1	X	-.078	5.5
5	MP ALPHA2	X	-.069	5.5
6	MP ALPHA3	X	-.095	5.5
7	MP BETA1	X	-.11	5.5
8	MP BETA2	X	-.079	5.5
9	MP BETA3	X	-.165	5.5
10	SOPIPE	X	-.032	2
11	DCCONN	X	-.061	2
12	MP GAMMA4	X	-.061	5
13	MP ALPHA1	X	-.047	4
14	MP ALPHA2	X	-.108	4
15	MP ALPHA3	X	-.105	4
16	MP ALPHA4	X	-.047	4
17	MP BETA1	X	-.099	4
18	MP BETA2	X	-.18	4
19	MP BETA3	X	-.181	4
20	MP BETA4	X	-.056	4
21	MP GAMMA1	X	-.099	4
22	MP GAMMA2	X	-.18	4
23	MP GAMMA3	X	-.181	4
24	MP GAMMA4	X	-.056	4
25	MP ALPHA1	X	-.05	3
26	MP ALPHA4	X	-.032	3
27	MP BETA1	X	-.046	3
28	MP BETA4	X	-.061	3
29	MP GAMMA1	X	-.046	3
30	MP GAMMA4	X	-.061	3
31	MP ALPHA1	X	-.078	2.5
32	MP ALPHA2	X	-.069	2.5
33	MP ALPHA3	X	-.095	2.5
34	MP BETA1	X	-.11	2.5
35	MP BETA2	X	-.079	2.5
36	MP BETA3	X	-.165	2.5
37	MP GAMMA3	X	-.215	2
38	MP GAMMA1	X	-.153	1.917
39	MP GAMMA2	X	-.219	1.917

Member Point Loads (BLC 11 : Ice Wind Load (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	X	-.031	6.083
2	MP GAMMA2	X	-.043	6.083
3	MP GAMMA3	X	-.042	6
4	MP ALPHA1	X	-.017	5.5
5	MP ALPHA2	X	-.014	5.5
6	MP ALPHA3	X	-.021	5.5
7	MP BETA1	X	-.022	5.5
8	MP BETA2	X	-.016	5.5
9	MP BETA3	X	-.033	5.5
10	SOPIPE	X	-.008	2
11	DCCONN	X	-.013	2
12	MP GAMMA4	X	-.013	5
13	MP ALPHA1	X	-.007	4
14	MP ALPHA2	X	-.017	4
15	MP ALPHA3	X	-.016	4
16	MP ALPHA4	X	-.008	4
17	MP BETA1	X	-.013	4
18	MP BETA2	X	-.027	4
19	MP BETA3	X	-.025	4
20	MP BETA4	X	-.009	4
21	MP GAMMA1	X	-.013	4
22	MP GAMMA2	X	-.027	4
23	MP GAMMA3	X	-.025	4
24	MP GAMMA4	X	-.009	4
25	MP ALPHA1	X	-.014	3
26	MP ALPHA4	X	-.008	3
27	MP BETA1	X	-.014	3
28	MP BETA4	X	-.013	3
29	MP GAMMA1	X	-.014	3
30	MP GAMMA4	X	-.013	3
31	MP ALPHA1	X	-.017	2.5
32	MP ALPHA2	X	-.014	2.5
33	MP ALPHA3	X	-.021	2.5
34	MP BETA1	X	-.022	2.5
35	MP BETA2	X	-.016	2.5
36	MP BETA3	X	-.033	2.5
37	MP GAMMA3	X	-.042	2
38	MP GAMMA1	X	-.031	1.917
39	MP GAMMA2	X	-.043	1.917

Member Point Loads (BLC 12 : Wind Load (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.062	6.083
2	MP GAMMA1	X	-.107	6.083
3	MP GAMMA2	Y	.084	6.083
4	MP GAMMA2	X	-.146	6.083
5	MP GAMMA3	Y	.077	6
6	MP GAMMA3	X	-.133	6
7	MP ALPHA1	Y	.044	5.5
8	MP ALPHA1	X	-.077	5.5
9	MP ALPHA2	Y	.036	5.5
10	MP ALPHA2	X	-.063	5.5
11	MP ALPHA3	Y	.059	5.5
12	MP ALPHA3	X	-.103	5.5
13	MP BETA1	Y	.06	5.5
14	MP BETA1	X	-.104	5.5

Member Point Loads (BLC 12 : Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA2	Y	.041	5.5
16	MP BETA2	X	-.071	5.5
17	MP BETA3	Y	.094	5.5
18	MP BETA3	X	-.163	5.5
19	SOPIPE	Y	.021	2
20	SOPIPE	X	-.036	2
21	DCCONN	Y	.035	2
22	DCCONN	X	-.061	2
23	MP GAMMA4	Y	.021	5
24	MP GAMMA4	X	-.036	5
25	MP ALPHA1	Y	.032	4
26	MP ALPHA1	X	-.056	4
27	MP ALPHA2	Y	.066	4
28	MP ALPHA2	X	-.114	4
29	MP ALPHA3	Y	.065	4
30	MP ALPHA3	X	-.113	4
31	MP ALPHA4	Y	.025	4
32	MP ALPHA4	X	-.043	4
33	MP BETA1	Y	.058	4
34	MP BETA1	X	-.101	4
35	MP BETA2	Y	.102	4
36	MP BETA2	X	-.176	4
37	MP BETA3	Y	.103	4
38	MP BETA3	X	-.178	4
39	MP BETA4	Y	.029	4
40	MP BETA4	X	-.051	4
41	MP GAMMA1	Y	.032	4
42	MP GAMMA1	X	-.056	4
43	MP GAMMA2	Y	.066	4
44	MP GAMMA2	X	-.114	4
45	MP GAMMA3	Y	.065	4
46	MP GAMMA3	X	-.113	4
47	MP GAMMA4	Y	.025	4
48	MP GAMMA4	X	-.043	4
49	MP ALPHA1	Y	.024	3
50	MP ALPHA1	X	-.042	3
51	MP ALPHA4	Y	.021	3
52	MP ALPHA4	X	-.036	3
53	MP BETA1	Y	.022	3
54	MP BETA1	X	-.039	3
55	MP BETA4	Y	.035	3
56	MP BETA4	X	-.061	3
57	MP GAMMA1	Y	.024	3
58	MP GAMMA1	X	-.042	3
59	MP GAMMA4	Y	.021	3
60	MP GAMMA4	X	-.036	3
61	MP ALPHA1	Y	.044	2.5
62	MP ALPHA1	X	-.077	2.5
63	MP ALPHA2	Y	.036	2.5
64	MP ALPHA2	X	-.063	2.5
65	MP ALPHA3	Y	.059	2.5
66	MP ALPHA3	X	-.103	2.5
67	MP BETA1	Y	.06	2.5
68	MP BETA1	X	-.104	2.5
69	MP BETA2	Y	.041	2.5
70	MP BETA2	X	-.071	2.5
71	MP BETA3	Y	.094	2.5

Member Point Loads (BLC 12 : Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
72	MP BETA3	X	-.163	2.5
73	MP GAMMA3	Y	.077	2
74	MP GAMMA3	X	-.133	2
75	MP GAMMA1	Y	.062	1.917
76	MP GAMMA1	X	-.107	1.917
77	MP GAMMA2	Y	.084	1.917
78	MP GAMMA2	X	-.146	1.917

Member Point Loads (BLC 13 : Ice Wind Load (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.013	6.083
2	MP GAMMA1	X	-.023	6.083
3	MP GAMMA2	Y	.017	6.083
4	MP GAMMA2	X	-.03	6.083
5	MP GAMMA3	Y	.016	6
6	MP GAMMA3	X	-.028	6
7	MP ALPHA1	Y	.009	5.5
8	MP ALPHA1	X	-.016	5.5
9	MP ALPHA2	Y	.007	5.5
10	MP ALPHA2	X	-.013	5.5
11	MP ALPHA3	Y	.012	5.5
12	MP ALPHA3	X	-.022	5.5
13	MP BETA1	Y	.012	5.5
14	MP BETA1	X	-.021	5.5
15	MP BETA2	Y	.008	5.5
16	MP BETA2	X	-.014	5.5
17	MP BETA3	Y	.018	5.5
18	MP BETA3	X	-.032	5.5
19	SOPIPE	Y	.005	2
20	SOPIPE	X	-.008	2
21	DCCONN	Y	.007	2
22	DCCONN	X	-.012	2
23	MP GAMMA4	Y	.005	5
24	MP GAMMA4	X	-.008	5
25	MP ALPHA1	Y	.005	4
26	MP ALPHA1	X	-.008	4
27	MP ALPHA2	Y	.01	4
28	MP ALPHA2	X	-.018	4
29	MP ALPHA3	Y	.009	4
30	MP ALPHA3	X	-.016	4
31	MP ALPHA4	Y	.004	4
32	MP ALPHA4	X	-.007	4
33	MP BETA1	Y	.008	4
34	MP BETA1	X	-.013	4
35	MP BETA2	Y	.015	4
36	MP BETA2	X	-.026	4
37	MP BETA3	Y	.014	4
38	MP BETA3	X	-.024	4
39	MP BETA4	Y	.005	4
40	MP BETA4	X	-.008	4
41	MP GAMMA1	Y	.005	4
42	MP GAMMA1	X	-.008	4
43	MP GAMMA2	Y	.01	4
44	MP GAMMA2	X	-.018	4
45	MP GAMMA3	Y	.009	4
46	MP GAMMA3	X	-.016	4

Member Point Loads (BLC 13 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA4	Y	.004	4
48	MP GAMMA4	X	-.007	4
49	MP ALPHA1	Y	.007	3
50	MP ALPHA1	X	-.013	3
51	MP ALPHA4	Y	.005	3
52	MP ALPHA4	X	-.008	3
53	MP BETA1	Y	.007	3
54	MP BETA1	X	-.013	3
55	MP BETA4	Y	.007	3
56	MP BETA4	X	-.012	3
57	MP GAMMA1	Y	.007	3
58	MP GAMMA1	X	-.013	3
59	MP GAMMA4	Y	.005	3
60	MP GAMMA4	X	-.008	3
61	MP ALPHA1	Y	.009	2.5
62	MP ALPHA1	X	-.016	2.5
63	MP ALPHA2	Y	.007	2.5
64	MP ALPHA2	X	-.013	2.5
65	MP ALPHA3	Y	.012	2.5
66	MP ALPHA3	X	-.022	2.5
67	MP BETA1	Y	.012	2.5
68	MP BETA1	X	-.021	2.5
69	MP BETA2	Y	.008	2.5
70	MP BETA2	X	-.014	2.5
71	MP BETA3	Y	.018	2.5
72	MP BETA3	X	-.032	2.5
73	MP GAMMA3	Y	.016	2
74	MP GAMMA3	X	-.028	2
75	MP GAMMA1	Y	.013	1.917
76	MP GAMMA1	X	-.023	1.917
77	MP GAMMA2	Y	.017	1.917
78	MP GAMMA2	X	-.03	1.917

Member Point Loads (BLC 14 : Wind Load (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.095	6.083
2	MP GAMMA1	X	-.055	6.083
3	MP GAMMA2	Y	.125	6.083
4	MP GAMMA2	X	-.072	6.083
5	MP GAMMA3	Y	.107	6
6	MP GAMMA3	X	-.062	6
7	MP ALPHA1	Y	.095	5.5
8	MP ALPHA1	X	-.055	5.5
9	MP ALPHA2	Y	.068	5.5
10	MP ALPHA2	X	-.039	5.5
11	MP ALPHA3	Y	.143	5.5
12	MP ALPHA3	X	-.083	5.5
13	MP BETA1	Y	.095	5.5
14	MP BETA1	X	-.055	5.5
15	MP BETA2	Y	.068	5.5
16	MP BETA2	X	-.039	5.5
17	MP BETA3	Y	.143	5.5
18	MP BETA3	X	-.083	5.5
19	SOPIPE	Y	.053	2
20	SOPIPE	X	-.03	2
21	DCCONN	Y	.053	2

Member Point Loads (BLC 14 : Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	DCCONN	X	-.03	2
23	MP GAMMA4	Y	.028	5
24	MP GAMMA4	X	-.016	5
25	MP ALPHA1	Y	.086	4
26	MP ALPHA1	X	-.049	4
27	MP ALPHA2	Y	.156	4
28	MP ALPHA2	X	-.09	4
29	MP ALPHA3	Y	.156	4
30	MP ALPHA3	X	-.09	4
31	MP ALPHA4	Y	.048	4
32	MP ALPHA4	X	-.028	4
33	MP BETA1	Y	.086	4
34	MP BETA1	X	-.049	4
35	MP BETA2	Y	.156	4
36	MP BETA2	X	-.09	4
37	MP BETA3	Y	.156	4
38	MP BETA3	X	-.09	4
39	MP BETA4	Y	.048	4
40	MP BETA4	X	-.028	4
41	MP GAMMA1	Y	.041	4
42	MP GAMMA1	X	-.024	4
43	MP GAMMA2	Y	.094	4
44	MP GAMMA2	X	-.054	4
45	MP GAMMA3	Y	.091	4
46	MP GAMMA3	X	-.053	4
47	MP GAMMA4	Y	.041	4
48	MP GAMMA4	X	-.024	4
49	MP ALPHA1	Y	.04	3
50	MP ALPHA1	X	-.023	3
51	MP ALPHA4	Y	.053	3
52	MP ALPHA4	X	-.03	3
53	MP BETA1	Y	.04	3
54	MP BETA1	X	-.023	3
55	MP BETA4	Y	.053	3
56	MP BETA4	X	-.03	3
57	MP GAMMA1	Y	.043	3
58	MP GAMMA1	X	-.025	3
59	MP GAMMA4	Y	.028	3
60	MP GAMMA4	X	-.016	3
61	MP ALPHA1	Y	.095	2.5
62	MP ALPHA1	X	-.055	2.5
63	MP ALPHA2	Y	.068	2.5
64	MP ALPHA2	X	-.039	2.5
65	MP ALPHA3	Y	.143	2.5
66	MP ALPHA3	X	-.083	2.5
67	MP BETA1	Y	.095	2.5
68	MP BETA1	X	-.055	2.5
69	MP BETA2	Y	.068	2.5
70	MP BETA2	X	-.039	2.5
71	MP BETA3	Y	.143	2.5
72	MP BETA3	X	-.083	2.5
73	MP GAMMA3	Y	.107	2
74	MP GAMMA3	X	-.062	2
75	MP GAMMA1	Y	.095	1.917
76	MP GAMMA1	X	-.055	1.917
77	MP GAMMA2	Y	.125	1.917
78	MP GAMMA2	X	-.072	1.917

Member Point Loads (BLC 15 : Ice Wind Load (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.021	6.083
2	MP GAMMA1	X	-.012	6.083
3	MP GAMMA2	Y	.026	6.083
4	MP GAMMA2	X	-.015	6.083
5	MP GAMMA3	Y	.023	6
6	MP GAMMA3	X	-.014	6
7	MP ALPHA1	Y	.019	5.5
8	MP ALPHA1	X	-.011	5.5
9	MP ALPHA2	Y	.014	5.5
10	MP ALPHA2	X	-.008	5.5
11	MP ALPHA3	Y	.028	5.5
12	MP ALPHA3	X	-.016	5.5
13	MP BETA1	Y	.019	5.5
14	MP BETA1	X	-.011	5.5
15	MP BETA2	Y	.014	5.5
16	MP BETA2	X	-.008	5.5
17	MP BETA3	Y	.028	5.5
18	MP BETA3	X	-.016	5.5
19	SOPIPE	Y	.011	2
20	SOPIPE	X	-.006	2
21	DCCONN	Y	.011	2
22	DCCONN	X	-.006	2
23	MP GAMMA4	Y	.007	5
24	MP GAMMA4	X	-.004	5
25	MP ALPHA1	Y	.012	4
26	MP ALPHA1	X	-.007	4
27	MP ALPHA2	Y	.023	4
28	MP ALPHA2	X	-.013	4
29	MP ALPHA3	Y	.021	4
30	MP ALPHA3	X	-.012	4
31	MP ALPHA4	Y	.008	4
32	MP ALPHA4	X	-.005	4
33	MP BETA1	Y	.012	4
34	MP BETA1	X	-.007	4
35	MP BETA2	Y	.023	4
36	MP BETA2	X	-.013	4
37	MP BETA3	Y	.021	4
38	MP BETA3	X	-.012	4
39	MP BETA4	Y	.008	4
40	MP BETA4	X	-.005	4
41	MP GAMMA1	Y	.006	4
42	MP GAMMA1	X	-.004	4
43	MP GAMMA2	Y	.015	4
44	MP GAMMA2	X	-.009	4
45	MP GAMMA3	Y	.014	4
46	MP GAMMA3	X	-.008	4
47	MP GAMMA4	Y	.007	4
48	MP GAMMA4	X	-.004	4
49	MP ALPHA1	Y	.013	3
50	MP ALPHA1	X	-.007	3
51	MP ALPHA4	Y	.011	3
52	MP ALPHA4	X	-.006	3
53	MP BETA1	Y	.013	3
54	MP BETA1	X	-.007	3
55	MP BETA4	Y	.011	3
56	MP BETA4	X	-.006	3
57	MP GAMMA1	Y	.013	3

Member Point Loads (BLC 15 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP GAMMA1	X	-.007	3
59	MP GAMMA4	Y	.007	3
60	MP GAMMA4	X	-.004	3
61	MP ALPHA1	Y	.019	2.5
62	MP ALPHA1	X	-.011	2.5
63	MP ALPHA2	Y	.014	2.5
64	MP ALPHA2	X	-.008	2.5
65	MP ALPHA3	Y	.028	2.5
66	MP ALPHA3	X	-.016	2.5
67	MP BETA1	Y	.019	2.5
68	MP BETA1	X	-.011	2.5
69	MP BETA2	Y	.014	2.5
70	MP BETA2	X	-.008	2.5
71	MP BETA3	Y	.028	2.5
72	MP BETA3	X	-.016	2.5
73	MP GAMMA3	Y	.023	2
74	MP GAMMA3	X	-.014	2
75	MP GAMMA1	Y	.021	1.917
76	MP GAMMA1	X	-.012	1.917
77	MP GAMMA2	Y	.026	1.917
78	MP GAMMA2	X	-.015	1.917

Member Point Loads (BLC 16 : Wind Load (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.124	6.083
2	MP GAMMA2	Y	.169	6.083
3	MP GAMMA3	Y	.154	6
4	MP ALPHA1	Y	.121	5.5
5	MP ALPHA2	Y	.082	5.5
6	MP ALPHA3	Y	.189	5.5
7	MP BETA1	Y	.089	5.5
8	MP BETA2	Y	.072	5.5
9	MP BETA3	Y	.118	5.5
10	SOPIPE	Y	.07	2
11	DCCONN	Y	.042	2
12	MP GAMMA4	Y	.042	5
13	MP ALPHA1	Y	.116	4
14	MP ALPHA2	Y	.203	4
15	MP ALPHA3	Y	.206	4
16	MP ALPHA4	Y	.059	4
17	MP BETA1	Y	.065	4
18	MP BETA2	Y	.132	4
19	MP BETA3	Y	.13	4
20	MP BETA4	Y	.05	4
21	MP GAMMA1	Y	.065	4
22	MP GAMMA2	Y	.132	4
23	MP GAMMA3	Y	.13	4
24	MP GAMMA4	Y	.05	4
25	MP ALPHA1	Y	.045	3
26	MP ALPHA4	Y	.07	3
27	MP BETA1	Y	.048	3
28	MP BETA4	Y	.042	3
29	MP GAMMA1	Y	.048	3
30	MP GAMMA4	Y	.042	3
31	MP ALPHA1	Y	.121	2.5
32	MP ALPHA2	Y	.082	2.5

Member Point Loads (BLC 16 : Wind Load (180)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP ALPHA3	Y	.189	2.5
34	MP BETA1	Y	.089	2.5
35	MP BETA2	Y	.072	2.5
36	MP BETA3	Y	.118	2.5
37	MP GAMMA3	Y	.154	2
38	MP GAMMA1	Y	.124	1.917
39	MP GAMMA2	Y	.169	1.917

Member Point Loads (BLC 17 : Ice Wind Load (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.026	6.083
2	MP GAMMA2	Y	.035	6.083
3	MP GAMMA3	Y	.032	6
4	MP ALPHA1	Y	.024	5.5
5	MP ALPHA2	Y	.017	5.5
6	MP ALPHA3	Y	.037	5.5
7	MP BETA1	Y	.019	5.5
8	MP BETA2	Y	.015	5.5
9	MP BETA3	Y	.025	5.5
10	SOPIPE	Y	.014	2
11	DCCONN	Y	.01	2
12	MP GAMMA4	Y	.01	5
13	MP ALPHA1	Y	.015	4
14	MP ALPHA2	Y	.03	4
15	MP ALPHA3	Y	.028	4
16	MP ALPHA4	Y	.01	4
17	MP BETA1	Y	.009	4
18	MP BETA2	Y	.02	4
19	MP BETA3	Y	.019	4
20	MP BETA4	Y	.009	4
21	MP GAMMA1	Y	.009	4
22	MP GAMMA2	Y	.02	4
23	MP GAMMA3	Y	.019	4
24	MP GAMMA4	Y	.009	4
25	MP ALPHA1	Y	.014	3
26	MP ALPHA4	Y	.014	3
27	MP BETA1	Y	.014	3
28	MP BETA4	Y	.01	3
29	MP GAMMA1	Y	.014	3
30	MP GAMMA4	Y	.01	3
31	MP ALPHA1	Y	.024	2.5
32	MP ALPHA2	Y	.017	2.5
33	MP ALPHA3	Y	.037	2.5
34	MP BETA1	Y	.019	2.5
35	MP BETA2	Y	.015	2.5
36	MP BETA3	Y	.025	2.5
37	MP GAMMA3	Y	.032	2
38	MP GAMMA1	Y	.026	1.917
39	MP GAMMA2	Y	.035	1.917

Member Point Loads (BLC 18 : Wind Load (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.133	6.083
2	MP GAMMA1	X	.077	6.083
3	MP GAMMA2	Y	.189	6.083
4	MP GAMMA2	X	.109	6.083

Member Point Loads (BLC 18 : Wind Load (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	MP GAMMA3	Y	.186	6
6	MP GAMMA3	X	.107	6
7	MP ALPHA1	Y	.095	5.5
8	MP ALPHA1	X	.055	5.5
9	MP ALPHA2	Y	.068	5.5
10	MP ALPHA2	X	.039	5.5
11	MP ALPHA3	Y	.143	5.5
12	MP ALPHA3	X	.083	5.5
13	MP BETA1	Y	.068	5.5
14	MP BETA1	X	.039	5.5
15	MP BETA2	Y	.06	5.5
16	MP BETA2	X	.035	5.5
17	MP BETA3	Y	.082	5.5
18	MP BETA3	X	.048	5.5
19	SOPIPE	Y	.053	2
20	SOPIPE	X	.03	2
21	DCCONN	Y	.028	2
22	DCCONN	X	.016	2
23	MP GAMMA4	Y	.053	5
24	MP GAMMA4	X	.03	5
25	MP ALPHA1	Y	.086	4
26	MP ALPHA1	X	.049	4
27	MP ALPHA2	Y	.156	4
28	MP ALPHA2	X	.09	4
29	MP ALPHA3	Y	.156	4
30	MP ALPHA3	X	.09	4
31	MP ALPHA4	Y	.048	4
32	MP ALPHA4	X	.028	4
33	MP BETA1	Y	.041	4
34	MP BETA1	X	.024	4
35	MP BETA2	Y	.094	4
36	MP BETA2	X	.054	4
37	MP BETA3	Y	.091	4
38	MP BETA3	X	.053	4
39	MP BETA4	Y	.041	4
40	MP BETA4	X	.024	4
41	MP GAMMA1	Y	.086	4
42	MP GAMMA1	X	.049	4
43	MP GAMMA2	Y	.156	4
44	MP GAMMA2	X	.09	4
45	MP GAMMA3	Y	.156	4
46	MP GAMMA3	X	.09	4
47	MP GAMMA4	Y	.048	4
48	MP GAMMA4	X	.028	4
49	MP ALPHA1	Y	.04	3
50	MP ALPHA1	X	.023	3
51	MP ALPHA4	Y	.053	3
52	MP ALPHA4	X	.03	3
53	MP BETA1	Y	.043	3
54	MP BETA1	X	.025	3
55	MP BETA4	Y	.028	3
56	MP BETA4	X	.016	3
57	MP GAMMA1	Y	.04	3
58	MP GAMMA1	X	.023	3
59	MP GAMMA4	Y	.053	3
60	MP GAMMA4	X	.03	3
61	MP ALPHA1	Y	.095	2.5

Member Point Loads (BLC 18 : Wind Load (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
62	MP ALPHA1	X	.055	2.5
63	MP ALPHA2	Y	.068	2.5
64	MP ALPHA2	X	.039	2.5
65	MP ALPHA3	Y	.143	2.5
66	MP ALPHA3	X	.083	2.5
67	MP BETA1	Y	.068	2.5
68	MP BETA1	X	.039	2.5
69	MP BETA2	Y	.06	2.5
70	MP BETA2	X	.035	2.5
71	MP BETA3	Y	.082	2.5
72	MP BETA3	X	.048	2.5
73	MP GAMMA3	Y	.186	2
74	MP GAMMA3	X	.107	2
75	MP GAMMA1	Y	.133	1.917
76	MP GAMMA1	X	.077	1.917
77	MP GAMMA2	Y	.189	1.917
78	MP GAMMA2	X	.109	1.917

Member Point Loads (BLC 19 : Ice Wind Load (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.027	6.083
2	MP GAMMA1	X	.016	6.083
3	MP GAMMA2	Y	.037	6.083
4	MP GAMMA2	X	.021	6.083
5	MP GAMMA3	Y	.037	6
6	MP GAMMA3	X	.021	6
7	MP ALPHA1	Y	.019	5.5
8	MP ALPHA1	X	.011	5.5
9	MP ALPHA2	Y	.014	5.5
10	MP ALPHA2	X	.008	5.5
11	MP ALPHA3	Y	.028	5.5
12	MP ALPHA3	X	.016	5.5
13	MP BETA1	Y	.015	5.5
14	MP BETA1	X	.009	5.5
15	MP BETA2	Y	.012	5.5
16	MP BETA2	X	.007	5.5
17	MP BETA3	Y	.018	5.5
18	MP BETA3	X	.01	5.5
19	SOPIPE	Y	.011	2
20	SOPIPE	X	.006	2
21	DCCONN	Y	.007	2
22	DCCONN	X	.004	2
23	MP GAMMA4	Y	.011	5
24	MP GAMMA4	X	.006	5
25	MP ALPHA1	Y	.012	4
26	MP ALPHA1	X	.007	4
27	MP ALPHA2	Y	.023	4
28	MP ALPHA2	X	.013	4
29	MP ALPHA3	Y	.021	4
30	MP ALPHA3	X	.012	4
31	MP ALPHA4	Y	.008	4
32	MP ALPHA4	X	.005	4
33	MP BETA1	Y	.006	4
34	MP BETA1	X	.004	4
35	MP BETA2	Y	.015	4
36	MP BETA2	X	.009	4

Member Point Loads (BLC 19 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP BETA3	Y	.014	4
38	MP BETA3	X	.008	4
39	MP BETA4	Y	.007	4
40	MP BETA4	X	.004	4
41	MP GAMMA1	Y	.012	4
42	MP GAMMA1	X	.007	4
43	MP GAMMA2	Y	.023	4
44	MP GAMMA2	X	.013	4
45	MP GAMMA3	Y	.021	4
46	MP GAMMA3	X	.012	4
47	MP GAMMA4	Y	.008	4
48	MP GAMMA4	X	.005	4
49	MP ALPHA1	Y	.013	3
50	MP ALPHA1	X	.007	3
51	MP ALPHA4	Y	.011	3
52	MP ALPHA4	X	.006	3
53	MP BETA1	Y	.013	3
54	MP BETA1	X	.007	3
55	MP BETA4	Y	.007	3
56	MP BETA4	X	.004	3
57	MP GAMMA1	Y	.013	3
58	MP GAMMA1	X	.007	3
59	MP GAMMA4	Y	.011	3
60	MP GAMMA4	X	.006	3
61	MP ALPHA1	Y	.019	2.5
62	MP ALPHA1	X	.011	2.5
63	MP ALPHA2	Y	.014	2.5
64	MP ALPHA2	X	.008	2.5
65	MP ALPHA3	Y	.028	2.5
66	MP ALPHA3	X	.016	2.5
67	MP BETA1	Y	.015	2.5
68	MP BETA1	X	.009	2.5
69	MP BETA2	Y	.012	2.5
70	MP BETA2	X	.007	2.5
71	MP BETA3	Y	.018	2.5
72	MP BETA3	X	.01	2.5
73	MP GAMMA3	Y	.037	2
74	MP GAMMA3	X	.021	2
75	MP GAMMA1	Y	.027	1.917
76	MP GAMMA1	X	.016	1.917
77	MP GAMMA2	Y	.037	1.917
78	MP GAMMA2	X	.021	1.917

Member Point Loads (BLC 20 : Wind Load (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.084	6.083
2	MP GAMMA1	X	.145	6.083
3	MP GAMMA2	Y	.122	6.083
4	MP GAMMA2	X	.211	6.083
5	MP GAMMA3	Y	.123	6
6	MP GAMMA3	X	.212	6
7	MP ALPHA1	Y	.044	5.5
8	MP ALPHA1	X	.077	5.5
9	MP ALPHA2	Y	.036	5.5
10	MP ALPHA2	X	.063	5.5
11	MP ALPHA3	Y	.059	5.5

Member Point Loads (BLC 20 : Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP ALPHA3	X	.103	5.5
13	MP BETA1	Y	.044	5.5
14	MP BETA1	X	.077	5.5
15	MP BETA2	Y	.036	5.5
16	MP BETA2	X	.063	5.5
17	MP BETA3	Y	.059	5.5
18	MP BETA3	X	.103	5.5
19	SOPIPE	Y	.021	2
20	SOPIPE	X	.036	2
21	DCCONN	Y	.021	2
22	DCCONN	X	.036	2
23	MP GAMMA4	Y	.035	5
24	MP GAMMA4	X	.061	5
25	MP ALPHA1	Y	.032	4
26	MP ALPHA1	X	.056	4
27	MP ALPHA2	Y	.066	4
28	MP ALPHA2	X	.114	4
29	MP ALPHA3	Y	.065	4
30	MP ALPHA3	X	.113	4
31	MP ALPHA4	Y	.025	4
32	MP ALPHA4	X	.043	4
33	MP BETA1	Y	.032	4
34	MP BETA1	X	.056	4
35	MP BETA2	Y	.066	4
36	MP BETA2	X	.114	4
37	MP BETA3	Y	.065	4
38	MP BETA3	X	.113	4
39	MP BETA4	Y	.025	4
40	MP BETA4	X	.043	4
41	MP GAMMA1	Y	.058	4
42	MP GAMMA1	X	.101	4
43	MP GAMMA2	Y	.102	4
44	MP GAMMA2	X	.176	4
45	MP GAMMA3	Y	.103	4
46	MP GAMMA3	X	.178	4
47	MP GAMMA4	Y	.029	4
48	MP GAMMA4	X	.051	4
49	MP ALPHA1	Y	.024	3
50	MP ALPHA1	X	.042	3
51	MP ALPHA4	Y	.021	3
52	MP ALPHA4	X	.036	3
53	MP BETA1	Y	.024	3
54	MP BETA1	X	.042	3
55	MP BETA4	Y	.021	3
56	MP BETA4	X	.036	3
57	MP GAMMA1	Y	.022	3
58	MP GAMMA1	X	.039	3
59	MP GAMMA4	Y	.035	3
60	MP GAMMA4	X	.061	3
61	MP ALPHA1	Y	.044	2.5
62	MP ALPHA1	X	.077	2.5
63	MP ALPHA2	Y	.036	2.5
64	MP ALPHA2	X	.063	2.5
65	MP ALPHA3	Y	.059	2.5
66	MP ALPHA3	X	.103	2.5
67	MP BETA1	Y	.044	2.5
68	MP BETA1	X	.077	2.5

Member Point Loads (BLC 20 : Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
69	MP BETA2	Y	.036	2.5
70	MP BETA2	X	.063	2.5
71	MP BETA3	Y	.059	2.5
72	MP BETA3	X	.103	2.5
73	MP GAMMA3	Y	.123	2
74	MP GAMMA3	X	.212	2
75	MP GAMMA1	Y	.084	1.917
76	MP GAMMA1	X	.145	1.917
77	MP GAMMA2	Y	.122	1.917
78	MP GAMMA2	X	.211	1.917

Member Point Loads (BLC 21 : Ice Wind Load (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.017	6.083
2	MP GAMMA1	X	.029	6.083
3	MP GAMMA2	Y	.024	6.083
4	MP GAMMA2	X	.041	6.083
5	MP GAMMA3	Y	.024	6
6	MP GAMMA3	X	.041	6
7	MP ALPHA1	Y	.009	5.5
8	MP ALPHA1	X	.016	5.5
9	MP ALPHA2	Y	.007	5.5
10	MP ALPHA2	X	.013	5.5
11	MP ALPHA3	Y	.012	5.5
12	MP ALPHA3	X	.022	5.5
13	MP BETA1	Y	.009	5.5
14	MP BETA1	X	.016	5.5
15	MP BETA2	Y	.007	5.5
16	MP BETA2	X	.013	5.5
17	MP BETA3	Y	.012	5.5
18	MP BETA3	X	.022	5.5
19	SOPIPE	Y	.005	2
20	SOPIPE	X	.008	2
21	DCCONN	Y	.005	2
22	DCCONN	X	.008	2
23	MP GAMMA4	Y	.007	5
24	MP GAMMA4	X	.012	5
25	MP ALPHA1	Y	.005	4
26	MP ALPHA1	X	.008	4
27	MP ALPHA2	Y	.01	4
28	MP ALPHA2	X	.018	4
29	MP ALPHA3	Y	.009	4
30	MP ALPHA3	X	.016	4
31	MP ALPHA4	Y	.004	4
32	MP ALPHA4	X	.007	4
33	MP BETA1	Y	.005	4
34	MP BETA1	X	.008	4
35	MP BETA2	Y	.01	4
36	MP BETA2	X	.018	4
37	MP BETA3	Y	.009	4
38	MP BETA3	X	.016	4
39	MP BETA4	Y	.004	4
40	MP BETA4	X	.007	4
41	MP GAMMA1	Y	.008	4
42	MP GAMMA1	X	.013	4
43	MP GAMMA2	Y	.015	4

Member Point Loads (BLC 21 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
44	MP GAMMA2	X	.026	4
45	MP GAMMA3	Y	.014	4
46	MP GAMMA3	X	.024	4
47	MP GAMMA4	Y	.005	4
48	MP GAMMA4	X	.008	4
49	MP ALPHA1	Y	.007	3
50	MP ALPHA1	X	.013	3
51	MP ALPHA4	Y	.005	3
52	MP ALPHA4	X	.008	3
53	MP BETA1	Y	.007	3
54	MP BETA1	X	.013	3
55	MP BETA4	Y	.005	3
56	MP BETA4	X	.008	3
57	MP GAMMA1	Y	.007	3
58	MP GAMMA1	X	.013	3
59	MP GAMMA4	Y	.007	3
60	MP GAMMA4	X	.012	3
61	MP ALPHA1	Y	.009	2.5
62	MP ALPHA1	X	.016	2.5
63	MP ALPHA2	Y	.007	2.5
64	MP ALPHA2	X	.013	2.5
65	MP ALPHA3	Y	.012	2.5
66	MP ALPHA3	X	.022	2.5
67	MP BETA1	Y	.009	2.5
68	MP BETA1	X	.016	2.5
69	MP BETA2	Y	.007	2.5
70	MP BETA2	X	.013	2.5
71	MP BETA3	Y	.012	2.5
72	MP BETA3	X	.022	2.5
73	MP GAMMA3	Y	.024	2
74	MP GAMMA3	X	.041	2
75	MP GAMMA1	Y	.017	1.917
76	MP GAMMA1	X	.029	1.917
77	MP GAMMA2	Y	.024	1.917
78	MP GAMMA2	X	.041	1.917

Member Point Loads (BLC 22 : Wind Load (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	X	.153	6.083
2	MP GAMMA2	X	.219	6.083
3	MP GAMMA3	X	.215	6
4	MP ALPHA1	X	.078	5.5
5	MP ALPHA2	X	.069	5.5
6	MP ALPHA3	X	.095	5.5
7	MP BETA1	X	.11	5.5
8	MP BETA2	X	.079	5.5
9	MP BETA3	X	.165	5.5
10	SOPIPE	X	.032	2
11	DCCONN	X	.061	2
12	MP GAMMA4	X	.061	5
13	MP ALPHA1	X	.047	4
14	MP ALPHA2	X	.108	4
15	MP ALPHA3	X	.105	4
16	MP ALPHA4	X	.047	4
17	MP BETA1	X	.099	4
18	MP BETA2	X	.18	4

Member Point Loads (BLC 22 : Wind Load (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
19	MP BETA3	X	.181	4
20	MP BETA4	X	.056	4
21	MP GAMMA1	X	.099	4
22	MP GAMMA2	X	.18	4
23	MP GAMMA3	X	.181	4
24	MP GAMMA4	X	.056	4
25	MP ALPHA1	X	.05	3
26	MP ALPHA4	X	.032	3
27	MP BETA1	X	.046	3
28	MP BETA4	X	.061	3
29	MP GAMMA1	X	.046	3
30	MP GAMMA4	X	.061	3
31	MP ALPHA1	X	.078	2.5
32	MP ALPHA2	X	.069	2.5
33	MP ALPHA3	X	.095	2.5
34	MP BETA1	X	.11	2.5
35	MP BETA2	X	.079	2.5
36	MP BETA3	X	.165	2.5
37	MP GAMMA3	X	.215	2
38	MP GAMMA1	X	.153	1.917
39	MP GAMMA2	X	.219	1.917

Member Point Loads (BLC 23 : Ice Wind Load (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	X	.031	6.083
2	MP GAMMA2	X	.043	6.083
3	MP GAMMA3	X	.042	6
4	MP ALPHA1	X	.017	5.5
5	MP ALPHA2	X	.014	5.5
6	MP ALPHA3	X	.021	5.5
7	MP BETA1	X	.022	5.5
8	MP BETA2	X	.016	5.5
9	MP BETA3	X	.033	5.5
10	SOPIPE	X	.008	2
11	DCCONN	X	.013	2
12	MP GAMMA4	X	.013	5
13	MP ALPHA1	X	.007	4
14	MP ALPHA2	X	.017	4
15	MP ALPHA3	X	.016	4
16	MP ALPHA4	X	.008	4
17	MP BETA1	X	.013	4
18	MP BETA2	X	.027	4
19	MP BETA3	X	.025	4
20	MP BETA4	X	.009	4
21	MP GAMMA1	X	.013	4
22	MP GAMMA2	X	.027	4
23	MP GAMMA3	X	.025	4
24	MP GAMMA4	X	.009	4
25	MP ALPHA1	X	.014	3
26	MP ALPHA4	X	.008	3
27	MP BETA1	X	.014	3
28	MP BETA4	X	.013	3
29	MP GAMMA1	X	.014	3
30	MP GAMMA4	X	.013	3
31	MP ALPHA1	X	.017	2.5
32	MP ALPHA2	X	.014	2.5

Member Point Loads (BLC 23 : Ice Wind Load (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP ALPHA3	X	.021	2.5
34	MP BETA1	X	.022	2.5
35	MP BETA2	X	.016	2.5
36	MP BETA3	X	.033	2.5
37	MP GAMMA3	X	.042	2
38	MP GAMMA1	X	.031	1.917
39	MP GAMMA2	X	.043	1.917

Member Point Loads (BLC 24 : Wind Load (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.062	6.083
2	MP GAMMA1	X	.107	6.083
3	MP GAMMA2	Y	-.084	6.083
4	MP GAMMA2	X	.146	6.083
5	MP GAMMA3	Y	-.077	6
6	MP GAMMA3	X	.133	6
7	MP ALPHA1	Y	-.044	5.5
8	MP ALPHA1	X	.077	5.5
9	MP ALPHA2	Y	-.036	5.5
10	MP ALPHA2	X	.063	5.5
11	MP ALPHA3	Y	-.059	5.5
12	MP ALPHA3	X	.103	5.5
13	MP BETA1	Y	-.06	5.5
14	MP BETA1	X	.104	5.5
15	MP BETA2	Y	-.041	5.5
16	MP BETA2	X	.071	5.5
17	MP BETA3	Y	-.094	5.5
18	MP BETA3	X	.163	5.5
19	SOPIPE	Y	-.021	2
20	SOPIPE	X	.036	2
21	DCCONN	Y	-.035	2
22	DCCONN	X	.061	2
23	MP GAMMA4	Y	-.021	5
24	MP GAMMA4	X	.036	5
25	MP ALPHA1	Y	-.032	4
26	MP ALPHA1	X	.056	4
27	MP ALPHA2	Y	-.066	4
28	MP ALPHA2	X	.114	4
29	MP ALPHA3	Y	-.065	4
30	MP ALPHA3	X	.113	4
31	MP ALPHA4	Y	-.025	4
32	MP ALPHA4	X	.043	4
33	MP BETA1	Y	-.058	4
34	MP BETA1	X	.101	4
35	MP BETA2	Y	-.102	4
36	MP BETA2	X	.176	4
37	MP BETA3	Y	-.103	4
38	MP BETA3	X	.178	4
39	MP BETA4	Y	-.029	4
40	MP BETA4	X	.051	4
41	MP GAMMA1	Y	-.032	4
42	MP GAMMA1	X	.056	4
43	MP GAMMA2	Y	-.066	4
44	MP GAMMA2	X	.114	4
45	MP GAMMA3	Y	-.065	4
46	MP GAMMA3	X	.113	4

Member Point Loads (BLC 24 : Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA4	Y	-.025	4
48	MP GAMMA4	X	.043	4
49	MP ALPHA1	Y	-.024	3
50	MP ALPHA1	X	.042	3
51	MP ALPHA4	Y	-.021	3
52	MP ALPHA4	X	.036	3
53	MP BETA1	Y	-.022	3
54	MP BETA1	X	.039	3
55	MP BETA4	Y	-.035	3
56	MP BETA4	X	.061	3
57	MP GAMMA1	Y	-.024	3
58	MP GAMMA1	X	.042	3
59	MP GAMMA4	Y	-.021	3
60	MP GAMMA4	X	.036	3
61	MP ALPHA1	Y	-.044	2.5
62	MP ALPHA1	X	.077	2.5
63	MP ALPHA2	Y	-.036	2.5
64	MP ALPHA2	X	.063	2.5
65	MP ALPHA3	Y	-.059	2.5
66	MP ALPHA3	X	.103	2.5
67	MP BETA1	Y	-.06	2.5
68	MP BETA1	X	.104	2.5
69	MP BETA2	Y	-.041	2.5
70	MP BETA2	X	.071	2.5
71	MP BETA3	Y	-.094	2.5
72	MP BETA3	X	.163	2.5
73	MP GAMMA3	Y	-.077	2
74	MP GAMMA3	X	.133	2
75	MP GAMMA1	Y	-.062	1.917
76	MP GAMMA1	X	.107	1.917
77	MP GAMMA2	Y	-.084	1.917
78	MP GAMMA2	X	.146	1.917

Member Point Loads (BLC 25 : Ice Wind Load (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.013	6.083
2	MP GAMMA1	X	.023	6.083
3	MP GAMMA2	Y	-.017	6.083
4	MP GAMMA2	X	.03	6.083
5	MP GAMMA3	Y	-.016	6
6	MP GAMMA3	X	.028	6
7	MP ALPHA1	Y	-.009	5.5
8	MP ALPHA1	X	.016	5.5
9	MP ALPHA2	Y	-.007	5.5
10	MP ALPHA2	X	.013	5.5
11	MP ALPHA3	Y	-.012	5.5
12	MP ALPHA3	X	.022	5.5
13	MP BETA1	Y	-.012	5.5
14	MP BETA1	X	.021	5.5
15	MP BETA2	Y	-.008	5.5
16	MP BETA2	X	.014	5.5
17	MP BETA3	Y	-.018	5.5
18	MP BETA3	X	.032	5.5
19	SOPIPE	Y	-.005	2
20	SOPIPE	X	.008	2
21	DCCONN	Y	-.007	2

Member Point Loads (BLC 25 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	DCCONN	X	.012	2
23	MP GAMMA4	Y	-.005	5
24	MP GAMMA4	X	.008	5
25	MP ALPHA1	Y	-.005	4
26	MP ALPHA1	X	.008	4
27	MP ALPHA2	Y	-.01	4
28	MP ALPHA2	X	.018	4
29	MP ALPHA3	Y	-.009	4
30	MP ALPHA3	X	.016	4
31	MP ALPHA4	Y	-.004	4
32	MP ALPHA4	X	.007	4
33	MP BETA1	Y	-.008	4
34	MP BETA1	X	.013	4
35	MP BETA2	Y	-.015	4
36	MP BETA2	X	.026	4
37	MP BETA3	Y	-.014	4
38	MP BETA3	X	.024	4
39	MP BETA4	Y	-.005	4
40	MP BETA4	X	.008	4
41	MP GAMMA1	Y	-.005	4
42	MP GAMMA1	X	.008	4
43	MP GAMMA2	Y	-.01	4
44	MP GAMMA2	X	.018	4
45	MP GAMMA3	Y	-.009	4
46	MP GAMMA3	X	.016	4
47	MP GAMMA4	Y	-.004	4
48	MP GAMMA4	X	.007	4
49	MP ALPHA1	Y	-.007	3
50	MP ALPHA1	X	.013	3
51	MP ALPHA4	Y	-.005	3
52	MP ALPHA4	X	.008	3
53	MP BETA1	Y	-.007	3
54	MP BETA1	X	.013	3
55	MP BETA4	Y	-.007	3
56	MP BETA4	X	.012	3
57	MP GAMMA1	Y	-.007	3
58	MP GAMMA1	X	.013	3
59	MP GAMMA4	Y	-.005	3
60	MP GAMMA4	X	.008	3
61	MP ALPHA1	Y	-.009	2.5
62	MP ALPHA1	X	.016	2.5
63	MP ALPHA2	Y	-.007	2.5
64	MP ALPHA2	X	.013	2.5
65	MP ALPHA3	Y	-.012	2.5
66	MP ALPHA3	X	.022	2.5
67	MP BETA1	Y	-.012	2.5
68	MP BETA1	X	.021	2.5
69	MP BETA2	Y	-.008	2.5
70	MP BETA2	X	.014	2.5
71	MP BETA3	Y	-.018	2.5
72	MP BETA3	X	.032	2.5
73	MP GAMMA3	Y	-.016	2
74	MP GAMMA3	X	.028	2
75	MP GAMMA1	Y	-.013	1.917
76	MP GAMMA1	X	.023	1.917
77	MP GAMMA2	Y	-.017	1.917
78	MP GAMMA2	X	.03	1.917

Member Point Loads (BLC 26 : Wind Load (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.095	6.083
2	MP GAMMA1	X	.055	6.083
3	MP GAMMA2	Y	-.125	6.083
4	MP GAMMA2	X	.072	6.083
5	MP GAMMA3	Y	-.107	6
6	MP GAMMA3	X	.062	6
7	MP ALPHA1	Y	-.095	5.5
8	MP ALPHA1	X	.055	5.5
9	MP ALPHA2	Y	-.068	5.5
10	MP ALPHA2	X	.039	5.5
11	MP ALPHA3	Y	-.143	5.5
12	MP ALPHA3	X	.083	5.5
13	MP BETA1	Y	-.095	5.5
14	MP BETA1	X	.055	5.5
15	MP BETA2	Y	-.068	5.5
16	MP BETA2	X	.039	5.5
17	MP BETA3	Y	-.143	5.5
18	MP BETA3	X	.083	5.5
19	SOPIPE	Y	-.053	2
20	SOPIPE	X	.03	2
21	DCCONN	Y	-.053	2
22	DCCONN	X	.03	2
23	MP GAMMA4	Y	-.028	5
24	MP GAMMA4	X	.016	5
25	MP ALPHA1	Y	-.086	4
26	MP ALPHA1	X	.049	4
27	MP ALPHA2	Y	-.156	4
28	MP ALPHA2	X	.09	4
29	MP ALPHA3	Y	-.156	4
30	MP ALPHA3	X	.09	4
31	MP ALPHA4	Y	-.048	4
32	MP ALPHA4	X	.028	4
33	MP BETA1	Y	-.086	4
34	MP BETA1	X	.049	4
35	MP BETA2	Y	-.156	4
36	MP BETA2	X	.09	4
37	MP BETA3	Y	-.156	4
38	MP BETA3	X	.09	4
39	MP BETA4	Y	-.048	4
40	MP BETA4	X	.028	4
41	MP GAMMA1	Y	-.041	4
42	MP GAMMA1	X	.024	4
43	MP GAMMA2	Y	-.094	4
44	MP GAMMA2	X	.054	4
45	MP GAMMA3	Y	-.091	4
46	MP GAMMA3	X	.053	4
47	MP GAMMA4	Y	-.041	4
48	MP GAMMA4	X	.024	4
49	MP ALPHA1	Y	-.04	3
50	MP ALPHA1	X	.023	3
51	MP ALPHA4	Y	-.053	3
52	MP ALPHA4	X	.03	3
53	MP BETA1	Y	-.04	3
54	MP BETA1	X	.023	3
55	MP BETA4	Y	-.053	3
56	MP BETA4	X	.03	3
57	MP GAMMA1	Y	-.043	3

Member Point Loads (BLC 26 : Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP GAMMA1	X	.025	3
59	MP GAMMA4	Y	-.028	3
60	MP GAMMA4	X	.016	3
61	MP ALPHA1	Y	-.095	2.5
62	MP ALPHA1	X	.055	2.5
63	MP ALPHA2	Y	-.068	2.5
64	MP ALPHA2	X	.039	2.5
65	MP ALPHA3	Y	-.143	2.5
66	MP ALPHA3	X	.083	2.5
67	MP BETA1	Y	-.095	2.5
68	MP BETA1	X	.055	2.5
69	MP BETA2	Y	-.068	2.5
70	MP BETA2	X	.039	2.5
71	MP BETA3	Y	-.143	2.5
72	MP BETA3	X	.083	2.5
73	MP GAMMA3	Y	-.107	2
74	MP GAMMA3	X	.062	2
75	MP GAMMA1	Y	-.095	1.917
76	MP GAMMA1	X	.055	1.917
77	MP GAMMA2	Y	-.125	1.917
78	MP GAMMA2	X	.072	1.917

Member Point Loads (BLC 27 : Ice Wind Load (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.021	6.083
2	MP GAMMA1	X	.012	6.083
3	MP GAMMA2	Y	-.026	6.083
4	MP GAMMA2	X	.015	6.083
5	MP GAMMA3	Y	-.023	6
6	MP GAMMA3	X	.014	6
7	MP ALPHA1	Y	-.019	5.5
8	MP ALPHA1	X	.011	5.5
9	MP ALPHA2	Y	-.014	5.5
10	MP ALPHA2	X	.008	5.5
11	MP ALPHA3	Y	-.028	5.5
12	MP ALPHA3	X	.016	5.5
13	MP BETA1	Y	-.019	5.5
14	MP BETA1	X	.011	5.5
15	MP BETA2	Y	-.014	5.5
16	MP BETA2	X	.008	5.5
17	MP BETA3	Y	-.028	5.5
18	MP BETA3	X	.016	5.5
19	SOPIPE	Y	-.011	2
20	SOPIPE	X	.006	2
21	DCCONN	Y	-.011	2
22	DCCONN	X	.006	2
23	MP GAMMA4	Y	-.007	5
24	MP GAMMA4	X	.004	5
25	MP ALPHA1	Y	-.012	4
26	MP ALPHA1	X	.007	4
27	MP ALPHA2	Y	-.023	4
28	MP ALPHA2	X	.013	4
29	MP ALPHA3	Y	-.021	4
30	MP ALPHA3	X	.012	4
31	MP ALPHA4	Y	-.008	4
32	MP ALPHA4	X	.005	4

Member Point Loads (BLC 27 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP BETA1	Y	-.012	4
34	MP BETA1	X	.007	4
35	MP BETA2	Y	-.023	4
36	MP BETA2	X	.013	4
37	MP BETA3	Y	-.021	4
38	MP BETA3	X	.012	4
39	MP BETA4	Y	-.008	4
40	MP BETA4	X	.005	4
41	MP GAMMA1	Y	-.006	4
42	MP GAMMA1	X	.004	4
43	MP GAMMA2	Y	-.015	4
44	MP GAMMA2	X	.009	4
45	MP GAMMA3	Y	-.014	4
46	MP GAMMA3	X	.008	4
47	MP GAMMA4	Y	-.007	4
48	MP GAMMA4	X	.004	4
49	MP ALPHA1	Y	-.013	3
50	MP ALPHA1	X	.007	3
51	MP ALPHA4	Y	-.011	3
52	MP ALPHA4	X	.006	3
53	MP BETA1	Y	-.013	3
54	MP BETA1	X	.007	3
55	MP BETA4	Y	-.011	3
56	MP BETA4	X	.006	3
57	MP GAMMA1	Y	-.013	3
58	MP GAMMA1	X	.007	3
59	MP GAMMA4	Y	-.007	3
60	MP GAMMA4	X	.004	3
61	MP ALPHA1	Y	-.019	2.5
62	MP ALPHA1	X	.011	2.5
63	MP ALPHA2	Y	-.014	2.5
64	MP ALPHA2	X	.008	2.5
65	MP ALPHA3	Y	-.028	2.5
66	MP ALPHA3	X	.016	2.5
67	MP BETA1	Y	-.019	2.5
68	MP BETA1	X	.011	2.5
69	MP BETA2	Y	-.014	2.5
70	MP BETA2	X	.008	2.5
71	MP BETA3	Y	-.028	2.5
72	MP BETA3	X	.016	2.5
73	MP GAMMA3	Y	-.023	2
74	MP GAMMA3	X	.014	2
75	MP GAMMA1	Y	-.021	1.917
76	MP GAMMA1	X	.012	1.917
77	MP GAMMA2	Y	-.026	1.917
78	MP GAMMA2	X	.015	1.917

Member Point Loads (BLC 28 : Maintanence (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.008	6.083
2	MP GAMMA2	Y	-.011	6.083
3	MP GAMMA3	Y	-.01	6
4	MP ALPHA1	Y	-.008	5.5
5	MP ALPHA2	Y	-.005	5.5
6	MP ALPHA3	Y	-.012	5.5
7	MP BETA1	Y	-.006	5.5

Member Point Loads (BLC 28 : Maintanence (0)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
8	MP BETA2	Y	-.005	5.5
9	MP BETA3	Y	-.008	5.5
10	SOPIPE	Y	-.005	2
11	DCCONN	Y	-.003	2
12	MP GAMMA4	Y	-.003	5
13	MP ALPHA1	Y	-.008	4
14	MP ALPHA2	Y	-.013	4
15	MP ALPHA3	Y	-.014	4
16	MP ALPHA4	Y	-.004	4
17	MP BETA1	Y	-.004	4
18	MP BETA2	Y	-.009	4
19	MP BETA3	Y	-.009	4
20	MP BETA4	Y	-.003	4
21	MP GAMMA1	Y	-.004	4
22	MP GAMMA2	Y	-.009	4
23	MP GAMMA3	Y	-.009	4
24	MP GAMMA4	Y	-.003	4
25	MP ALPHA1	Y	-.003	3
26	MP ALPHA4	Y	-.005	3
27	MP BETA1	Y	-.003	3
28	MP BETA4	Y	-.003	3
29	MP GAMMA1	Y	-.003	3
30	MP GAMMA4	Y	-.003	3
31	MP ALPHA1	Y	-.008	2.5
32	MP ALPHA2	Y	-.005	2.5
33	MP ALPHA3	Y	-.012	2.5
34	MP BETA1	Y	-.006	2.5
35	MP BETA2	Y	-.005	2.5
36	MP BETA3	Y	-.008	2.5
37	MP GAMMA3	Y	-.01	2
38	MP GAMMA1	Y	-.008	1.917
39	MP GAMMA2	Y	-.011	1.917

Member Point Loads (BLC 29 : Maintanence (30))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.009	6.083
2	MP GAMMA1	X	-.005	6.083
3	MP GAMMA2	Y	-.012	6.083
4	MP GAMMA2	X	-.007	6.083
5	MP GAMMA3	Y	-.012	6
6	MP GAMMA3	X	-.007	6
7	MP ALPHA1	Y	-.006	5.5
8	MP ALPHA1	X	-.004	5.5
9	MP ALPHA2	Y	-.004	5.5
10	MP ALPHA2	X	-.003	5.5
11	MP ALPHA3	Y	-.009	5.5
12	MP ALPHA3	X	-.005	5.5
13	MP BETA1	Y	-.004	5.5
14	MP BETA1	X	-.003	5.5
15	MP BETA2	Y	-.004	5.5
16	MP BETA2	X	-.002	5.5
17	MP BETA3	Y	-.005	5.5
18	MP BETA3	X	-.003	5.5
19	SOPIPE	Y	-.003	2
20	SOPIPE	X	-.002	2
21	DCCONN	Y	-.002	2

Member Point Loads (BLC 29 : Maintanence (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	DCCONN	X	-.001	2
23	MP GAMMA4	Y	-.003	5
24	MP GAMMA4	X	-.002	5
25	MP ALPHA1	Y	-.006	4
26	MP ALPHA1	X	-.003	4
27	MP ALPHA2	Y	-.01	4
28	MP ALPHA2	X	-.006	4
29	MP ALPHA3	Y	-.01	4
30	MP ALPHA3	X	-.006	4
31	MP ALPHA4	Y	-.003	4
32	MP ALPHA4	X	-.002	4
33	MP BETA1	Y	-.003	4
34	MP BETA1	X	-.002	4
35	MP BETA2	Y	-.006	4
36	MP BETA2	X	-.004	4
37	MP BETA3	Y	-.006	4
38	MP BETA3	X	-.003	4
39	MP BETA4	Y	-.003	4
40	MP BETA4	X	-.002	4
41	MP GAMMA1	Y	-.006	4
42	MP GAMMA1	X	-.003	4
43	MP GAMMA2	Y	-.01	4
44	MP GAMMA2	X	-.006	4
45	MP GAMMA3	Y	-.01	4
46	MP GAMMA3	X	-.006	4
47	MP GAMMA4	Y	-.003	4
48	MP GAMMA4	X	-.002	4
49	MP ALPHA1	Y	-.003	3
50	MP ALPHA1	X	-.002	3
51	MP ALPHA4	Y	-.003	3
52	MP ALPHA4	X	-.002	3
53	MP BETA1	Y	-.003	3
54	MP BETA1	X	-.002	3
55	MP BETA4	Y	-.002	3
56	MP BETA4	X	-.001	3
57	MP GAMMA1	Y	-.003	3
58	MP GAMMA1	X	-.002	3
59	MP GAMMA4	Y	-.003	3
60	MP GAMMA4	X	-.002	3
61	MP ALPHA1	Y	-.006	2.5
62	MP ALPHA1	X	-.004	2.5
63	MP ALPHA2	Y	-.004	2.5
64	MP ALPHA2	X	-.003	2.5
65	MP ALPHA3	Y	-.009	2.5
66	MP ALPHA3	X	-.005	2.5
67	MP BETA1	Y	-.004	2.5
68	MP BETA1	X	-.003	2.5
69	MP BETA2	Y	-.004	2.5
70	MP BETA2	X	-.002	2.5
71	MP BETA3	Y	-.005	2.5
72	MP BETA3	X	-.003	2.5
73	MP GAMMA3	Y	-.012	2
74	MP GAMMA3	X	-.007	2
75	MP GAMMA1	Y	-.009	1.917
76	MP GAMMA1	X	-.005	1.917
77	MP GAMMA2	Y	-.012	1.917
78	MP GAMMA2	X	-.007	1.917

Member Point Loads (BLC 30 : Maintanence (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.006	6.083
2	MP GAMMA1	X	-.01	6.083
3	MP GAMMA2	Y	-.008	6.083
4	MP GAMMA2	X	-.014	6.083
5	MP GAMMA3	Y	-.008	6
6	MP GAMMA3	X	-.014	6
7	MP ALPHA1	Y	-.003	5.5
8	MP ALPHA1	X	-.005	5.5
9	MP ALPHA2	Y	-.002	5.5
10	MP ALPHA2	X	-.004	5.5
11	MP ALPHA3	Y	-.004	5.5
12	MP ALPHA3	X	-.007	5.5
13	MP BETA1	Y	-.003	5.5
14	MP BETA1	X	-.005	5.5
15	MP BETA2	Y	-.002	5.5
16	MP BETA2	X	-.004	5.5
17	MP BETA3	Y	-.004	5.5
18	MP BETA3	X	-.007	5.5
19	SOPIPE	Y	-.001	2
20	SOPIPE	X	-.002	2
21	DCCONN	Y	-.001	2
22	DCCONN	X	-.002	2
23	MP GAMMA4	Y	-.002	5
24	MP GAMMA4	X	-.004	5
25	MP ALPHA1	Y	-.002	4
26	MP ALPHA1	X	-.004	4
27	MP ALPHA2	Y	-.004	4
28	MP ALPHA2	X	-.008	4
29	MP ALPHA3	Y	-.004	4
30	MP ALPHA3	X	-.007	4
31	MP ALPHA4	Y	-.002	4
32	MP ALPHA4	X	-.003	4
33	MP BETA1	Y	-.002	4
34	MP BETA1	X	-.004	4
35	MP BETA2	Y	-.004	4
36	MP BETA2	X	-.008	4
37	MP BETA3	Y	-.004	4
38	MP BETA3	X	-.007	4
39	MP BETA4	Y	-.002	4
40	MP BETA4	X	-.003	4
41	MP GAMMA1	Y	-.004	4
42	MP GAMMA1	X	-.007	4
43	MP GAMMA2	Y	-.007	4
44	MP GAMMA2	X	-.012	4
45	MP GAMMA3	Y	-.007	4
46	MP GAMMA3	X	-.012	4
47	MP GAMMA4	Y	-.002	4
48	MP GAMMA4	X	-.003	4
49	MP ALPHA1	Y	-.002	3
50	MP ALPHA1	X	-.003	3
51	MP ALPHA4	Y	-.001	3
52	MP ALPHA4	X	-.002	3
53	MP BETA1	Y	-.002	3
54	MP BETA1	X	-.003	3
55	MP BETA4	Y	-.001	3
56	MP BETA4	X	-.002	3
57	MP GAMMA1	Y	-.001	3

Member Point Loads (BLC 30 : Maintanence (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP GAMMA1	X	-.003	3
59	MP GAMMA4	Y	-.002	3
60	MP GAMMA4	X	-.004	3
61	MP ALPHA1	Y	-.003	2.5
62	MP ALPHA1	X	-.005	2.5
63	MP ALPHA2	Y	-.002	2.5
64	MP ALPHA2	X	-.004	2.5
65	MP ALPHA3	Y	-.004	2.5
66	MP ALPHA3	X	-.007	2.5
67	MP BETA1	Y	-.003	2.5
68	MP BETA1	X	-.005	2.5
69	MP BETA2	Y	-.002	2.5
70	MP BETA2	X	-.004	2.5
71	MP BETA3	Y	-.004	2.5
72	MP BETA3	X	-.007	2.5
73	MP GAMMA3	Y	-.008	2
74	MP GAMMA3	X	-.014	2
75	MP GAMMA1	Y	-.006	1.917
76	MP GAMMA1	X	-.01	1.917
77	MP GAMMA2	Y	-.008	1.917
78	MP GAMMA2	X	-.014	1.917

Member Point Loads (BLC 31 : Maintanence (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	X	-.01	6.083
2	MP GAMMA2	X	-.014	6.083
3	MP GAMMA3	X	-.014	6
4	MP ALPHA1	X	-.005	5.5
5	MP ALPHA2	X	-.005	5.5
6	MP ALPHA3	X	-.006	5.5
7	MP BETA1	X	-.007	5.5
8	MP BETA2	X	-.005	5.5
9	MP BETA3	X	-.011	5.5
10	SOPIPE	X	-.002	2
11	DCCONN	X	-.004	2
12	MP GAMMA4	X	-.004	5
13	MP ALPHA1	X	-.003	4
14	MP ALPHA2	X	-.007	4
15	MP ALPHA3	X	-.007	4
16	MP ALPHA4	X	-.003	4
17	MP BETA1	X	-.007	4
18	MP BETA2	X	-.012	4
19	MP BETA3	X	-.012	4
20	MP BETA4	X	-.004	4
21	MP GAMMA1	X	-.007	4
22	MP GAMMA2	X	-.012	4
23	MP GAMMA3	X	-.012	4
24	MP GAMMA4	X	-.004	4
25	MP ALPHA1	X	-.003	3
26	MP ALPHA4	X	-.002	3
27	MP BETA1	X	-.003	3
28	MP BETA4	X	-.004	3
29	MP GAMMA1	X	-.003	3
30	MP GAMMA4	X	-.004	3
31	MP ALPHA1	X	-.005	2.5
32	MP ALPHA2	X	-.005	2.5

Member Point Loads (BLC 31 : Maintanence (90)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP ALPHA3	X	-.006	2.5
34	MP BETA1	X	-.007	2.5
35	MP BETA2	X	-.005	2.5
36	MP BETA3	X	-.011	2.5
37	MP GAMMA3	X	-.014	2
38	MP GAMMA1	X	-.01	1.917
39	MP GAMMA2	X	-.014	1.917

Member Point Loads (BLC 32 : Maintanence (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.004	6.083
2	MP GAMMA1	X	-.007	6.083
3	MP GAMMA2	Y	.006	6.083
4	MP GAMMA2	X	-.01	6.083
5	MP GAMMA3	Y	.005	6
6	MP GAMMA3	X	-.009	6
7	MP ALPHA1	Y	.003	5.5
8	MP ALPHA1	X	-.005	5.5
9	MP ALPHA2	Y	.002	5.5
10	MP ALPHA2	X	-.004	5.5
11	MP ALPHA3	Y	.004	5.5
12	MP ALPHA3	X	-.007	5.5
13	MP BETA1	Y	.004	5.5
14	MP BETA1	X	-.007	5.5
15	MP BETA2	Y	.003	5.5
16	MP BETA2	X	-.005	5.5
17	MP BETA3	Y	.006	5.5
18	MP BETA3	X	-.011	5.5
19	SOPIPE	Y	.001	2
20	SOPIPE	X	-.002	2
21	DCCONN	Y	.002	2
22	DCCONN	X	-.004	2
23	MP GAMMA4	Y	.001	5
24	MP GAMMA4	X	-.002	5
25	MP ALPHA1	Y	.002	4
26	MP ALPHA1	X	-.004	4
27	MP ALPHA2	Y	.004	4
28	MP ALPHA2	X	-.008	4
29	MP ALPHA3	Y	.004	4
30	MP ALPHA3	X	-.007	4
31	MP ALPHA4	Y	.002	4
32	MP ALPHA4	X	-.003	4
33	MP BETA1	Y	.004	4
34	MP BETA1	X	-.007	4
35	MP BETA2	Y	.007	4
36	MP BETA2	X	-.012	4
37	MP BETA3	Y	.007	4
38	MP BETA3	X	-.012	4
39	MP BETA4	Y	.002	4
40	MP BETA4	X	-.003	4
41	MP GAMMA1	Y	.002	4
42	MP GAMMA1	X	-.004	4
43	MP GAMMA2	Y	.004	4
44	MP GAMMA2	X	-.008	4
45	MP GAMMA3	Y	.004	4
46	MP GAMMA3	X	-.007	4

Member Point Loads (BLC 32 : Maintanence (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA4	Y	.002	4
48	MP GAMMA4	X	-.003	4
49	MP ALPHA1	Y	.002	3
50	MP ALPHA1	X	-.003	3
51	MP ALPHA4	Y	.001	3
52	MP ALPHA4	X	-.002	3
53	MP BETA1	Y	.001	3
54	MP BETA1	X	-.003	3
55	MP BETA4	Y	.002	3
56	MP BETA4	X	-.004	3
57	MP GAMMA1	Y	.002	3
58	MP GAMMA1	X	-.003	3
59	MP GAMMA4	Y	.001	3
60	MP GAMMA4	X	-.002	3
61	MP ALPHA1	Y	.003	2.5
62	MP ALPHA1	X	-.005	2.5
63	MP ALPHA2	Y	.002	2.5
64	MP ALPHA2	X	-.004	2.5
65	MP ALPHA3	Y	.004	2.5
66	MP ALPHA3	X	-.007	2.5
67	MP BETA1	Y	.004	2.5
68	MP BETA1	X	-.007	2.5
69	MP BETA2	Y	.003	2.5
70	MP BETA2	X	-.005	2.5
71	MP BETA3	Y	.006	2.5
72	MP BETA3	X	-.011	2.5
73	MP GAMMA3	Y	.005	2
74	MP GAMMA3	X	-.009	2
75	MP GAMMA1	Y	.004	1.917
76	MP GAMMA1	X	-.007	1.917
77	MP GAMMA2	Y	.006	1.917
78	MP GAMMA2	X	-.01	1.917

Member Point Loads (BLC 33 : Maintanence (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.006	6.083
2	MP GAMMA1	X	-.004	6.083
3	MP GAMMA2	Y	.008	6.083
4	MP GAMMA2	X	-.005	6.083
5	MP GAMMA3	Y	.007	6
6	MP GAMMA3	X	-.004	6
7	MP ALPHA1	Y	.006	5.5
8	MP ALPHA1	X	-.004	5.5
9	MP ALPHA2	Y	.004	5.5
10	MP ALPHA2	X	-.003	5.5
11	MP ALPHA3	Y	.009	5.5
12	MP ALPHA3	X	-.005	5.5
13	MP BETA1	Y	.006	5.5
14	MP BETA1	X	-.004	5.5
15	MP BETA2	Y	.004	5.5
16	MP BETA2	X	-.003	5.5
17	MP BETA3	Y	.009	5.5
18	MP BETA3	X	-.005	5.5
19	SOPIPE	Y	.003	2
20	SOPIPE	X	-.002	2
21	DCCONN	Y	.003	2

Member Point Loads (BLC 33 : Maintanence (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	DCCONN	X	-.002	2
23	MP GAMMA4	Y	.002	5
24	MP GAMMA4	X	-.001	5
25	MP ALPHA1	Y	.006	4
26	MP ALPHA1	X	-.003	4
27	MP ALPHA2	Y	.01	4
28	MP ALPHA2	X	-.006	4
29	MP ALPHA3	Y	.01	4
30	MP ALPHA3	X	-.006	4
31	MP ALPHA4	Y	.003	4
32	MP ALPHA4	X	-.002	4
33	MP BETA1	Y	.006	4
34	MP BETA1	X	-.003	4
35	MP BETA2	Y	.01	4
36	MP BETA2	X	-.006	4
37	MP BETA3	Y	.01	4
38	MP BETA3	X	-.006	4
39	MP BETA4	Y	.003	4
40	MP BETA4	X	-.002	4
41	MP GAMMA1	Y	.003	4
42	MP GAMMA1	X	-.002	4
43	MP GAMMA2	Y	.006	4
44	MP GAMMA2	X	-.004	4
45	MP GAMMA3	Y	.006	4
46	MP GAMMA3	X	-.003	4
47	MP GAMMA4	Y	.003	4
48	MP GAMMA4	X	-.002	4
49	MP ALPHA1	Y	.003	3
50	MP ALPHA1	X	-.002	3
51	MP ALPHA4	Y	.003	3
52	MP ALPHA4	X	-.002	3
53	MP BETA1	Y	.003	3
54	MP BETA1	X	-.002	3
55	MP BETA4	Y	.003	3
56	MP BETA4	X	-.002	3
57	MP GAMMA1	Y	.003	3
58	MP GAMMA1	X	-.002	3
59	MP GAMMA4	Y	.002	3
60	MP GAMMA4	X	-.001	3
61	MP ALPHA1	Y	.006	2.5
62	MP ALPHA1	X	-.004	2.5
63	MP ALPHA2	Y	.004	2.5
64	MP ALPHA2	X	-.003	2.5
65	MP ALPHA3	Y	.009	2.5
66	MP ALPHA3	X	-.005	2.5
67	MP BETA1	Y	.006	2.5
68	MP BETA1	X	-.004	2.5
69	MP BETA2	Y	.004	2.5
70	MP BETA2	X	-.003	2.5
71	MP BETA3	Y	.009	2.5
72	MP BETA3	X	-.005	2.5
73	MP GAMMA3	Y	.007	2
74	MP GAMMA3	X	-.004	2
75	MP GAMMA1	Y	.006	1.917
76	MP GAMMA1	X	-.004	1.917
77	MP GAMMA2	Y	.008	1.917
78	MP GAMMA2	X	-.005	1.917

Member Point Loads (BLC 34 : Maintanence (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.008	6.083
2	MP GAMMA2	Y	.011	6.083
3	MP GAMMA3	Y	.01	6
4	MP ALPHA1	Y	.008	5.5
5	MP ALPHA2	Y	.005	5.5
6	MP ALPHA3	Y	.012	5.5
7	MP BETA1	Y	.006	5.5
8	MP BETA2	Y	.005	5.5
9	MP BETA3	Y	.008	5.5
10	SOPIPE	Y	.005	2
11	DCCONN	Y	.003	2
12	MP GAMMA4	Y	.003	5
13	MP ALPHA1	Y	.008	4
14	MP ALPHA2	Y	.013	4
15	MP ALPHA3	Y	.014	4
16	MP ALPHA4	Y	.004	4
17	MP BETA1	Y	.004	4
18	MP BETA2	Y	.009	4
19	MP BETA3	Y	.009	4
20	MP BETA4	Y	.003	4
21	MP GAMMA1	Y	.004	4
22	MP GAMMA2	Y	.009	4
23	MP GAMMA3	Y	.009	4
24	MP GAMMA4	Y	.003	4
25	MP ALPHA1	Y	.003	3
26	MP ALPHA4	Y	.005	3
27	MP BETA1	Y	.003	3
28	MP BETA4	Y	.003	3
29	MP GAMMA1	Y	.003	3
30	MP GAMMA4	Y	.003	3
31	MP ALPHA1	Y	.008	2.5
32	MP ALPHA2	Y	.005	2.5
33	MP ALPHA3	Y	.012	2.5
34	MP BETA1	Y	.006	2.5
35	MP BETA2	Y	.005	2.5
36	MP BETA3	Y	.008	2.5
37	MP GAMMA3	Y	.01	2
38	MP GAMMA1	Y	.008	1.917
39	MP GAMMA2	Y	.011	1.917

Member Point Loads (BLC 35 : Maintanence (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.009	6.083
2	MP GAMMA1	X	.005	6.083
3	MP GAMMA2	Y	.012	6.083
4	MP GAMMA2	X	.007	6.083
5	MP GAMMA3	Y	.012	6
6	MP GAMMA3	X	.007	6
7	MP ALPHA1	Y	.006	5.5
8	MP ALPHA1	X	.004	5.5
9	MP ALPHA2	Y	.004	5.5
10	MP ALPHA2	X	.003	5.5
11	MP ALPHA3	Y	.009	5.5
12	MP ALPHA3	X	.005	5.5
13	MP BETA1	Y	.004	5.5
14	MP BETA1	X	.003	5.5

Member Point Loads (BLC 35 : Maintanence (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA2	Y	.004	5.5
16	MP BETA2	X	.002	5.5
17	MP BETA3	Y	.005	5.5
18	MP BETA3	X	.003	5.5
19	SOPIPE	Y	.003	2
20	SOPIPE	X	.002	2
21	DCCONN	Y	.002	2
22	DCCONN	X	.001	2
23	MP GAMMA4	Y	.003	5
24	MP GAMMA4	X	.002	5
25	MP ALPHA1	Y	.006	4
26	MP ALPHA1	X	.003	4
27	MP ALPHA2	Y	.01	4
28	MP ALPHA2	X	.006	4
29	MP ALPHA3	Y	.01	4
30	MP ALPHA3	X	.006	4
31	MP ALPHA4	Y	.003	4
32	MP ALPHA4	X	.002	4
33	MP BETA1	Y	.003	4
34	MP BETA1	X	.002	4
35	MP BETA2	Y	.006	4
36	MP BETA2	X	.004	4
37	MP BETA3	Y	.006	4
38	MP BETA3	X	.003	4
39	MP BETA4	Y	.003	4
40	MP BETA4	X	.002	4
41	MP GAMMA1	Y	.006	4
42	MP GAMMA1	X	.003	4
43	MP GAMMA2	Y	.01	4
44	MP GAMMA2	X	.006	4
45	MP GAMMA3	Y	.01	4
46	MP GAMMA3	X	.006	4
47	MP GAMMA4	Y	.003	4
48	MP GAMMA4	X	.002	4
49	MP ALPHA1	Y	.003	3
50	MP ALPHA1	X	.002	3
51	MP ALPHA4	Y	.003	3
52	MP ALPHA4	X	.002	3
53	MP BETA1	Y	.003	3
54	MP BETA1	X	.002	3
55	MP BETA4	Y	.002	3
56	MP BETA4	X	.001	3
57	MP GAMMA1	Y	.003	3
58	MP GAMMA1	X	.002	3
59	MP GAMMA4	Y	.003	3
60	MP GAMMA4	X	.002	3
61	MP ALPHA1	Y	.006	2.5
62	MP ALPHA1	X	.004	2.5
63	MP ALPHA2	Y	.004	2.5
64	MP ALPHA2	X	.003	2.5
65	MP ALPHA3	Y	.009	2.5
66	MP ALPHA3	X	.005	2.5
67	MP BETA1	Y	.004	2.5
68	MP BETA1	X	.003	2.5
69	MP BETA2	Y	.004	2.5
70	MP BETA2	X	.002	2.5
71	MP BETA3	Y	.005	2.5

Member Point Loads (BLC 35 : Maintanence (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
72	MP BETA3	X	.003	2.5
73	MP GAMMA3	Y	.012	2
74	MP GAMMA3	X	.007	2
75	MP GAMMA1	Y	.009	1.917
76	MP GAMMA1	X	.005	1.917
77	MP GAMMA2	Y	.012	1.917
78	MP GAMMA2	X	.007	1.917

Member Point Loads (BLC 36 : Maintanence (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	.006	6.083
2	MP GAMMA1	X	.01	6.083
3	MP GAMMA2	Y	.008	6.083
4	MP GAMMA2	X	.014	6.083
5	MP GAMMA3	Y	.008	6
6	MP GAMMA3	X	.014	6
7	MP ALPHA1	Y	.003	5.5
8	MP ALPHA1	X	.005	5.5
9	MP ALPHA2	Y	.002	5.5
10	MP ALPHA2	X	.004	5.5
11	MP ALPHA3	Y	.004	5.5
12	MP ALPHA3	X	.007	5.5
13	MP BETA1	Y	.003	5.5
14	MP BETA1	X	.005	5.5
15	MP BETA2	Y	.002	5.5
16	MP BETA2	X	.004	5.5
17	MP BETA3	Y	.004	5.5
18	MP BETA3	X	.007	5.5
19	SOPIPE	Y	.001	2
20	SOPIPE	X	.002	2
21	DCCONN	Y	.001	2
22	DCCONN	X	.002	2
23	MP GAMMA4	Y	.002	5
24	MP GAMMA4	X	.004	5
25	MP ALPHA1	Y	.002	4
26	MP ALPHA1	X	.004	4
27	MP ALPHA2	Y	.004	4
28	MP ALPHA2	X	.008	4
29	MP ALPHA3	Y	.004	4
30	MP ALPHA3	X	.007	4
31	MP ALPHA4	Y	.002	4
32	MP ALPHA4	X	.003	4
33	MP BETA1	Y	.002	4
34	MP BETA1	X	.004	4
35	MP BETA2	Y	.004	4
36	MP BETA2	X	.008	4
37	MP BETA3	Y	.004	4
38	MP BETA3	X	.007	4
39	MP BETA4	Y	.002	4
40	MP BETA4	X	.003	4
41	MP GAMMA1	Y	.004	4
42	MP GAMMA1	X	.007	4
43	MP GAMMA2	Y	.007	4
44	MP GAMMA2	X	.012	4
45	MP GAMMA3	Y	.007	4
46	MP GAMMA3	X	.012	4

Member Point Loads (BLC 36 : Maintanence (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA4	Y	.002	4
48	MP GAMMA4	X	.003	4
49	MP ALPHA1	Y	.002	3
50	MP ALPHA1	X	.003	3
51	MP ALPHA4	Y	.001	3
52	MP ALPHA4	X	.002	3
53	MP BETA1	Y	.002	3
54	MP BETA1	X	.003	3
55	MP BETA4	Y	.001	3
56	MP BETA4	X	.002	3
57	MP GAMMA1	Y	.001	3
58	MP GAMMA1	X	.003	3
59	MP GAMMA4	Y	.002	3
60	MP GAMMA4	X	.004	3
61	MP ALPHA1	Y	.003	2.5
62	MP ALPHA1	X	.005	2.5
63	MP ALPHA2	Y	.002	2.5
64	MP ALPHA2	X	.004	2.5
65	MP ALPHA3	Y	.004	2.5
66	MP ALPHA3	X	.007	2.5
67	MP BETA1	Y	.003	2.5
68	MP BETA1	X	.005	2.5
69	MP BETA2	Y	.002	2.5
70	MP BETA2	X	.004	2.5
71	MP BETA3	Y	.004	2.5
72	MP BETA3	X	.007	2.5
73	MP GAMMA3	Y	.008	2
74	MP GAMMA3	X	.014	2
75	MP GAMMA1	Y	.006	1.917
76	MP GAMMA1	X	.01	1.917
77	MP GAMMA2	Y	.008	1.917
78	MP GAMMA2	X	.014	1.917

Member Point Loads (BLC 37 : Maintanence (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	X	.01	6.083
2	MP GAMMA2	X	.014	6.083
3	MP GAMMA3	X	.014	6
4	MP ALPHA1	X	.005	5.5
5	MP ALPHA2	X	.005	5.5
6	MP ALPHA3	X	.006	5.5
7	MP BETA1	X	.007	5.5
8	MP BETA2	X	.005	5.5
9	MP BETA3	X	.011	5.5
10	SOPIPE	X	.002	2
11	DCCONN	X	.004	2
12	MP GAMMA4	X	.004	5
13	MP ALPHA1	X	.003	4
14	MP ALPHA2	X	.007	4
15	MP ALPHA3	X	.007	4
16	MP ALPHA4	X	.003	4
17	MP BETA1	X	.007	4
18	MP BETA2	X	.012	4
19	MP BETA3	X	.012	4
20	MP BETA4	X	.004	4
21	MP GAMMA1	X	.007	4

Member Point Loads (BLC 37 : Maintanence (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP GAMMA2	X	.012	4
23	MP GAMMA3	X	.012	4
24	MP GAMMA4	X	.004	4
25	MP ALPHA1	X	.003	3
26	MP ALPHA4	X	.002	3
27	MP BETA1	X	.003	3
28	MP BETA4	X	.004	3
29	MP GAMMA1	X	.003	3
30	MP GAMMA4	X	.004	3
31	MP ALPHA1	X	.005	2.5
32	MP ALPHA2	X	.005	2.5
33	MP ALPHA3	X	.006	2.5
34	MP BETA1	X	.007	2.5
35	MP BETA2	X	.005	2.5
36	MP BETA3	X	.011	2.5
37	MP GAMMA3	X	.014	2
38	MP GAMMA1	X	.01	1.917
39	MP GAMMA2	X	.014	1.917

Member Point Loads (BLC 38 : Maintanence (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.004	6.083
2	MP GAMMA1	X	.007	6.083
3	MP GAMMA2	Y	-.006	6.083
4	MP GAMMA2	X	.01	6.083
5	MP GAMMA3	Y	-.005	6
6	MP GAMMA3	X	.009	6
7	MP ALPHA1	Y	-.003	5.5
8	MP ALPHA1	X	.005	5.5
9	MP ALPHA2	Y	-.002	5.5
10	MP ALPHA2	X	.004	5.5
11	MP ALPHA3	Y	-.004	5.5
12	MP ALPHA3	X	.007	5.5
13	MP BETA1	Y	-.004	5.5
14	MP BETA1	X	.007	5.5
15	MP BETA2	Y	-.003	5.5
16	MP BETA2	X	.005	5.5
17	MP BETA3	Y	-.006	5.5
18	MP BETA3	X	.011	5.5
19	SOPIPE	Y	-.001	2
20	SOPIPE	X	.002	2
21	DCCONN	Y	-.002	2
22	DCCONN	X	.004	2
23	MP GAMMA4	Y	-.001	5
24	MP GAMMA4	X	.002	5
25	MP ALPHA1	Y	-.002	4
26	MP ALPHA1	X	.004	4
27	MP ALPHA2	Y	-.004	4
28	MP ALPHA2	X	.008	4
29	MP ALPHA3	Y	-.004	4
30	MP ALPHA3	X	.007	4
31	MP ALPHA4	Y	-.002	4
32	MP ALPHA4	X	.003	4
33	MP BETA1	Y	-.004	4
34	MP BETA1	X	.007	4
35	MP BETA2	Y	-.007	4

Member Point Loads (BLC 38 : Maintanence (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
36	MP BETA2	X	.012	4
37	MP BETA3	Y	-.007	4
38	MP BETA3	X	.012	4
39	MP BETA4	Y	-.002	4
40	MP BETA4	X	.003	4
41	MP GAMMA1	Y	-.002	4
42	MP GAMMA1	X	.004	4
43	MP GAMMA2	Y	-.004	4
44	MP GAMMA2	X	.008	4
45	MP GAMMA3	Y	-.004	4
46	MP GAMMA3	X	.007	4
47	MP GAMMA4	Y	-.002	4
48	MP GAMMA4	X	.003	4
49	MP ALPHA1	Y	-.002	3
50	MP ALPHA1	X	.003	3
51	MP ALPHA4	Y	-.001	3
52	MP ALPHA4	X	.002	3
53	MP BETA1	Y	-.001	3
54	MP BETA1	X	.003	3
55	MP BETA4	Y	-.002	3
56	MP BETA4	X	.004	3
57	MP GAMMA1	Y	-.002	3
58	MP GAMMA1	X	.003	3
59	MP GAMMA4	Y	-.001	3
60	MP GAMMA4	X	.002	3
61	MP ALPHA1	Y	-.003	2.5
62	MP ALPHA1	X	.005	2.5
63	MP ALPHA2	Y	-.002	2.5
64	MP ALPHA2	X	.004	2.5
65	MP ALPHA3	Y	-.004	2.5
66	MP ALPHA3	X	.007	2.5
67	MP BETA1	Y	-.004	2.5
68	MP BETA1	X	.007	2.5
69	MP BETA2	Y	-.003	2.5
70	MP BETA2	X	.005	2.5
71	MP BETA3	Y	-.006	2.5
72	MP BETA3	X	.011	2.5
73	MP GAMMA3	Y	-.005	2
74	MP GAMMA3	X	.009	2
75	MP GAMMA1	Y	-.004	1.917
76	MP GAMMA1	X	.007	1.917
77	MP GAMMA2	Y	-.006	1.917
78	MP GAMMA2	X	.01	1.917

Member Point Loads (BLC 39 : Maintanence (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.006	6.083
2	MP GAMMA1	X	.004	6.083
3	MP GAMMA2	Y	-.008	6.083
4	MP GAMMA2	X	.005	6.083
5	MP GAMMA3	Y	-.007	6
6	MP GAMMA3	X	.004	6
7	MP ALPHA1	Y	-.006	5.5
8	MP ALPHA1	X	.004	5.5
9	MP ALPHA2	Y	-.004	5.5
10	MP ALPHA2	X	.003	5.5

Member Point Loads (BLC 39 : Maintanence (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP ALPHA3	Y	-.009	5.5
12	MP ALPHA3	X	.005	5.5
13	MP BETA1	Y	-.006	5.5
14	MP BETA1	X	.004	5.5
15	MP BETA2	Y	-.004	5.5
16	MP BETA2	X	.003	5.5
17	MP BETA3	Y	-.009	5.5
18	MP BETA3	X	.005	5.5
19	SOPIPE	Y	-.003	2
20	SOPIPE	X	.002	2
21	DCCONN	Y	-.003	2
22	DCCONN	X	.002	2
23	MP GAMMA4	Y	-.002	5
24	MP GAMMA4	X	.001	5
25	MP ALPHA1	Y	-.006	4
26	MP ALPHA1	X	.003	4
27	MP ALPHA2	Y	-.01	4
28	MP ALPHA2	X	.006	4
29	MP ALPHA3	Y	-.01	4
30	MP ALPHA3	X	.006	4
31	MP ALPHA4	Y	-.003	4
32	MP ALPHA4	X	.002	4
33	MP BETA1	Y	-.006	4
34	MP BETA1	X	.003	4
35	MP BETA2	Y	-.01	4
36	MP BETA2	X	.006	4
37	MP BETA3	Y	-.01	4
38	MP BETA3	X	.006	4
39	MP BETA4	Y	-.003	4
40	MP BETA4	X	.002	4
41	MP GAMMA1	Y	-.003	4
42	MP GAMMA1	X	.002	4
43	MP GAMMA2	Y	-.006	4
44	MP GAMMA2	X	.004	4
45	MP GAMMA3	Y	-.006	4
46	MP GAMMA3	X	.003	4
47	MP GAMMA4	Y	-.003	4
48	MP GAMMA4	X	.002	4
49	MP ALPHA1	Y	-.003	3
50	MP ALPHA1	X	.002	3
51	MP ALPHA4	Y	-.003	3
52	MP ALPHA4	X	.002	3
53	MP BETA1	Y	-.003	3
54	MP BETA1	X	.002	3
55	MP BETA4	Y	-.003	3
56	MP BETA4	X	.002	3
57	MP GAMMA1	Y	-.003	3
58	MP GAMMA1	X	.002	3
59	MP GAMMA4	Y	-.002	3
60	MP GAMMA4	X	.001	3
61	MP ALPHA1	Y	-.006	2.5
62	MP ALPHA1	X	.004	2.5
63	MP ALPHA2	Y	-.004	2.5
64	MP ALPHA2	X	.003	2.5
65	MP ALPHA3	Y	-.009	2.5
66	MP ALPHA3	X	.005	2.5
67	MP BETA1	Y	-.006	2.5

Member Point Loads (BLC 39 : Maintanence (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
68	MP BETA1	X	.004	2.5
69	MP BETA2	Y	-.004	2.5
70	MP BETA2	X	.003	2.5
71	MP BETA3	Y	-.009	2.5
72	MP BETA3	X	.005	2.5
73	MP GAMMA3	Y	-.007	2
74	MP GAMMA3	X	.004	2
75	MP GAMMA1	Y	-.006	1.917
76	MP GAMMA1	X	.004	1.917
77	MP GAMMA2	Y	-.008	1.917
78	MP GAMMA2	X	.005	1.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	X	-.004	6.083
2	MP GAMMA2	X	-.005	6.083
3	MP GAMMA3	X	-.005	6
4	MP ALPHA1	X	-.004	5.5
5	MP ALPHA2	X	-.007	5.5
6	MP ALPHA3	X	-.005	5.5
7	MP BETA1	X	-.004	5.5
8	MP BETA2	X	-.007	5.5
9	MP BETA3	X	-.005	5.5
10	SOPIPE	X	-.002	2
11	DCCONN	X	-.002	2
12	MP GAMMA4	X	-.002	5
13	MP ALPHA1	X	-.007	4
14	MP ALPHA2	X	-.017	4
15	MP ALPHA3	X	-.014	4
16	MP ALPHA4	X	-.006	4
17	MP BETA1	X	-.007	4
18	MP BETA2	X	-.017	4
19	MP BETA3	X	-.014	4
20	MP BETA4	X	-.006	4
21	MP GAMMA1	X	-.007	4
22	MP GAMMA2	X	-.017	4
23	MP GAMMA3	X	-.014	4
24	MP GAMMA4	X	-.006	4
25	MP ALPHA1	X	-.004	3
26	MP ALPHA4	X	-.002	3
27	MP BETA1	X	-.004	3
28	MP BETA4	X	-.002	3
29	MP GAMMA1	X	-.004	3
30	MP GAMMA4	X	-.002	3
31	MP ALPHA1	X	-.004	2.5
32	MP ALPHA2	X	-.007	2.5
33	MP ALPHA3	X	-.005	2.5
34	MP BETA1	X	-.004	2.5
35	MP BETA2	X	-.007	2.5
36	MP BETA3	X	-.005	2.5
37	MP GAMMA3	X	-.005	2
38	MP GAMMA1	X	-.004	1.917
39	MP GAMMA2	X	-.005	1.917

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Y	-.004	6.083
2	MP GAMMA2	Y	-.005	6.083
3	MP GAMMA3	Y	-.005	6
4	MP ALPHA1	Y	-.004	5.5
5	MP ALPHA2	Y	-.007	5.5
6	MP ALPHA3	Y	-.005	5.5
7	MP BETA1	Y	-.004	5.5
8	MP BETA2	Y	-.007	5.5
9	MP BETA3	Y	-.005	5.5
10	SOPIPE	Y	-.002	2
11	DCCONN	Y	-.002	2
12	MP GAMMA4	Y	-.002	5
13	MP ALPHA1	Y	-.007	4
14	MP ALPHA2	Y	-.017	4
15	MP ALPHA3	Y	-.014	4
16	MP ALPHA4	Y	-.006	4
17	MP BETA1	Y	-.007	4
18	MP BETA2	Y	-.017	4
19	MP BETA3	Y	-.014	4
20	MP BETA4	Y	-.006	4
21	MP GAMMA1	Y	-.007	4
22	MP GAMMA2	Y	-.017	4
23	MP GAMMA3	Y	-.014	4
24	MP GAMMA4	Y	-.006	4
25	MP ALPHA1	Y	-.004	3
26	MP ALPHA4	Y	-.002	3
27	MP BETA1	Y	-.004	3
28	MP BETA4	Y	-.002	3
29	MP GAMMA1	Y	-.004	3
30	MP GAMMA4	Y	-.002	3
31	MP ALPHA1	Y	-.004	2.5
32	MP ALPHA2	Y	-.007	2.5
33	MP ALPHA3	Y	-.005	2.5
34	MP BETA1	Y	-.004	2.5
35	MP BETA2	Y	-.007	2.5
36	MP BETA3	Y	-.005	2.5
37	MP GAMMA3	Y	-.005	2
38	MP GAMMA1	Y	-.004	1.917
39	MP GAMMA2	Y	-.005	1.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA1	Z	-.001	6.083
2	MP GAMMA2	Z	-.002	6.083
3	MP GAMMA3	Z	-.002	6
4	MP ALPHA1	Z	-.001	5.5
5	MP ALPHA2	Z	-.003	5.5
6	MP ALPHA3	Z	-.002	5.5
7	MP BETA1	Z	-.001	5.5
8	MP BETA2	Z	-.003	5.5
9	MP BETA3	Z	-.002	5.5
10	SOPIPE	Z	-.001	2
11	DCCONN	Z	-.001	2
12	MP GAMMA4	Z	-.001	5
13	MP ALPHA1	Z	-.003	4
14	MP ALPHA2	Z	-.007	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP ALPHA3	Z	-.006	4
16	MP ALPHA4	Z	-.002	4
17	MP BETA1	Z	-.003	4
18	MP BETA2	Z	-.007	4
19	MP BETA3	Z	-.006	4
20	MP BETA4	Z	-.002	4
21	MP GAMMA1	Z	-.003	4
22	MP GAMMA2	Z	-.007	4
23	MP GAMMA3	Z	-.006	4
24	MP GAMMA4	Z	-.002	4
25	MP ALPHA1	Z	-.002	3
26	MP ALPHA4	Z	-.001	3
27	MP BETA1	Z	-.002	3
28	MP BETA4	Z	-.001	3
29	MP GAMMA1	Z	-.002	3
30	MP GAMMA4	Z	-.001	3
31	MP ALPHA1	Z	-.001	2.5
32	MP ALPHA2	Z	-.003	2.5
33	MP ALPHA3	Z	-.002	2.5
34	MP BETA1	Z	-.001	2.5
35	MP BETA2	Z	-.003	2.5
36	MP BETA3	Z	-.002	2.5
37	MP GAMMA3	Z	-.002	2
38	MP GAMMA1	Z	-.001	1.917
39	MP GAMMA2	Z	-.002	1.917

Member Distributed Loads (BLC 1 : Wind Load (0))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	-.016	-.016	0	0
2	FACE2	PY	-.016	-.016	0	0
3	FACE1	PY	-.004	-.004	0	0
4	SUPPRAIL3	PY	-.011	-.011	0	0
5	SUPPRAIL2	PY	-.011	-.011	0	0
6	SUPPRAIL1	PY	-.003	-.003	0	0
7	KICKER3b	PY	-.023	-.023	0	0
8	KICKER3A	PY	-.023	-.023	0	0
9	KICKER2b	PY	-.023	-.023	0	0
10	KICKER2a	PY	-.023	-.023	0	0
11	KICKER1b	PY	-.006	-.006	0	0
12	KICKER1a	PY	-.006	-.006	0	0
13	SUP3B	PY	-.004	-.004	0	0
14	SUP3A	PY	-.004	-.004	0	0
15	SUP2B	PY	-.004	-.004	0	0
16	SUP2A	PY	-.004	-.004	0	0
17	SUP1B	PY	-.004	-.004	0	0
18	SUP1A	PY	-.004	-.004	0	0
19	SO3b	PY	-.004	-.004	0	0
20	SO3a	PY	-.004	-.004	0	0
21	SO2b	PY	-.004	-.004	0	0
22	SO2a	PY	-.004	-.004	0	0
23	SO1b	PY	-.004	-.004	0	0
24	SO1a	PY	-.004	-.004	0	0
25	PLATE12	PY	-.011	-.011	0	0
26	PLATE11	PY	-.011	-.011	0	0
27	PLATE10	PY	-.011	-.011	0	0

Member Distributed Loads (BLC 1 : Wind Load (0)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
28	PLATE9	PY	-.011	-.011	0	0
29	PLATE8	PY	-.011	-.011	0	0
30	PLATE7	PY	-.011	-.011	0	0
31	PLATE6	PY	-.011	-.011	0	0
32	PLATE5	PY	-.011	-.011	0	0
33	PLATE4	PY	-.011	-.011	0	0
34	PLATE3	PY	-.011	-.011	0	0
35	PLATE2	PY	-.011	-.011	0	0
36	PLATE1	PY	-.011	-.011	0	0
37	MP GAMMA4	PY	-.011	-.011	0	0
38	MP GAMMA3	PY	-.011	-.011	0	0
39	MP GAMMA2	PY	-.011	-.011	0	0
40	MP GAMMA1	PY	-.011	-.011	0	0
41	MP BETA4	PY	-.011	-.011	0	0
42	MP BETA3	PY	-.011	-.011	0	0
43	MP BETA2	PY	-.011	-.011	0	0
44	MP BETA1	PY	-.011	-.011	0	0
45	MP ALPHA4	PY	-.011	-.011	0	0
46	MP ALPHA3	PY	-.011	-.011	0	0
47	MP ALPHA2	PY	-.011	-.011	0	0
48	MP ALPHA1	PY	-.011	-.011	0	0
49	CR3B	PY	-.004	-.004	0	0
50	CR3A	PY	-.004	-.004	0	0
51	CR2B	PY	-.004	-.004	0	0
52	CR2A	PY	-.004	-.004	0	0
53	CR1B	PY	-.004	-.004	0	0
54	CR1A	PY	-.004	-.004	0	0
55	CORNER3	PY	-.011	-.011	0	0
56	CORNER2	PY	-.011	-.011	0	0
57	CORNER1	PY	-.011	-.011	0	0
58	ANGLE3	PY	-.009	-.009	0	0
59	ANGLE2	PY	-.009	-.009	0	0
60	ANGLE1	PY	-.009	-.009	0	0
61	M130	PY	-.004	-.004	0	0

Member Distributed Loads (BLC 4 : Ice Wind Load (0))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	-.005	-.005	0	0
2	FACE2	PY	-.005	-.005	0	0
3	FACE1	PY	-.001	-.001	0	0
4	SUPPRAIL3	PY	-.004	-.004	0	0
5	SUPPRAIL2	PY	-.004	-.004	0	0
6	SUPPRAIL1	PY	-.001	-.001	0	0
7	KICKER3b	PY	-.005	-.005	0	0
8	KICKER3A	PY	-.005	-.005	0	0
9	KICKER2b	PY	-.005	-.005	0	0
10	KICKER2a	PY	-.005	-.005	0	0
11	KICKER1b	PY	-.002	-.002	0	0
12	KICKER1a	PY	-.002	-.002	0	0
13	SUP3B	PY	-.002	-.002	0	0
14	SUP3A	PY	-.002	-.002	0	0
15	SUP2B	PY	-.002	-.002	0	0
16	SUP2A	PY	-.002	-.002	0	0
17	SUP1B	PY	-.002	-.002	0	0
18	SUP1A	PY	-.002	-.002	0	0
19	SO3b	PY	-.001	-.001	0	0

Member Distributed Loads (BLC 4 : Ice Wind Load (0)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
20	SO3a	PY	-.001	-.001	0	0
21	SO2b	PY	-.001	-.001	0	0
22	SO2a	PY	-.001	-.001	0	0
23	SO1b	PY	-.001	-.001	0	0
24	SO1a	PY	-.001	-.001	0	0
25	PLATE12	PY	-.004	-.004	0	0
26	PLATE11	PY	-.004	-.004	0	0
27	PLATE10	PY	-.004	-.004	0	0
28	PLATE9	PY	-.004	-.004	0	0
29	PLATE8	PY	-.004	-.004	0	0
30	PLATE7	PY	-.004	-.004	0	0
31	PLATE6	PY	-.004	-.004	0	0
32	PLATE5	PY	-.004	-.004	0	0
33	PLATE4	PY	-.004	-.004	0	0
34	PLATE3	PY	-.004	-.004	0	0
35	PLATE2	PY	-.004	-.004	0	0
36	PLATE1	PY	-.004	-.004	0	0
37	MP GAMMA4	PY	-.004	-.004	0	0
38	MP GAMMA3	PY	-.004	-.004	0	0
39	MP GAMMA2	PY	-.004	-.004	0	0
40	MP GAMMA1	PY	-.004	-.004	0	0
41	MP BETA4	PY	-.004	-.004	0	0
42	MP BETA3	PY	-.004	-.004	0	0
43	MP BETA2	PY	-.004	-.004	0	0
44	MP BETA1	PY	-.004	-.004	0	0
45	MP ALPHA4	PY	-.004	-.004	0	0
46	MP ALPHA3	PY	-.004	-.004	0	0
47	MP ALPHA2	PY	-.004	-.004	0	0
48	MP ALPHA1	PY	-.004	-.004	0	0
49	CR3B	PY	-.002	-.002	0	0
50	CR3A	PY	-.002	-.002	0	0
51	CR2B	PY	-.002	-.002	0	0
52	CR2A	PY	-.002	-.002	0	0
53	CR1B	PY	-.002	-.002	0	0
54	CR1A	PY	-.002	-.002	0	0
55	CORNER3	PY	-.002	-.002	0	0
56	CORNER2	PY	-.002	-.002	0	0
57	CORNER1	PY	-.002	-.002	0	0
58	ANGLE3	PY	-.003	-.003	0	0
59	ANGLE2	PY	-.003	-.003	0	0
60	ANGLE1	PY	-.003	-.003	0	0
61	M130	PY	-.001	-.001	0	0

Member Distributed Loads (BLC 5 : Ice Dead Load)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	Z	-.006	-.006	0	0
2	FACE2	Z	-.006	-.006	0	0
3	FACE1	Z	-.006	-.006	0	0
4	SUPPRAIL3	Z	-.005	-.005	0	0
5	SUPPRAIL2	Z	-.005	-.005	0	0
6	SUPPRAIL1	Z	-.005	-.005	0	0
7	KICKER3b	Z	-.007	-.007	0	0
8	KICKER3A	Z	-.007	-.007	0	0
9	KICKER2b	Z	-.007	-.007	0	0
10	KICKER2a	Z	-.007	-.007	0	0
11	KICKER1b	Z	-.007	-.007	0	0

Member Distributed Loads (BLC 5 : Ice Dead Load) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
12	KICKER1a	Z	-.007	-.007	0	0
13	SUP3B	Z	-.005	-.005	0	0
14	SUP3A	Z	-.005	-.005	0	0
15	SUP2B	Z	-.005	-.005	0	0
16	SUP2A	Z	-.005	-.005	0	0
17	SUP1B	Z	-.005	-.005	0	0
18	SUP1A	Z	-.005	-.005	0	0
19	SO3b	Z	-.007	-.007	0	0
20	SO3a	Z	-.007	-.007	0	0
21	SO2b	Z	-.007	-.007	0	0
22	SO2a	Z	-.007	-.007	0	0
23	SO1b	Z	-.007	-.007	0	0
24	SO1a	Z	-.007	-.007	0	0
25	PLATE12	Z	-.007	-.007	0	0
26	PLATE11	Z	-.007	-.007	0	0
27	PLATE10	Z	-.007	-.007	0	0
28	PLATE9	Z	-.007	-.007	0	0
29	PLATE8	Z	-.007	-.007	0	0
30	PLATE7	Z	-.007	-.007	0	0
31	PLATE6	Z	-.007	-.007	0	0
32	PLATE5	Z	-.007	-.007	0	0
33	PLATE4	Z	-.007	-.007	0	0
34	PLATE3	Z	-.007	-.007	0	0
35	PLATE2	Z	-.007	-.007	0	0
36	PLATE1	Z	-.007	-.007	0	0
37	MP GAMMA4	Z	-.005	-.005	0	0
38	MP GAMMA3	Z	-.005	-.005	0	0
39	MP GAMMA2	Z	-.005	-.005	0	0
40	MP GAMMA1	Z	-.005	-.005	0	0
41	MP BETA4	Z	-.005	-.005	0	0
42	MP BETA3	Z	-.005	-.005	0	0
43	MP BETA2	Z	-.005	-.005	0	0
44	MP BETA1	Z	-.005	-.005	0	0
45	MP ALPHA4	Z	-.005	-.005	0	0
46	MP ALPHA3	Z	-.005	-.005	0	0
47	MP ALPHA2	Z	-.005	-.005	0	0
48	MP ALPHA1	Z	-.005	-.005	0	0
49	CR3B	Z	-.009	-.009	0	0
50	CR3A	Z	-.009	-.009	0	0
51	CR2B	Z	-.009	-.009	0	0
52	CR2A	Z	-.009	-.009	0	0
53	CR1B	Z	-.009	-.009	0	0
54	CR1A	Z	-.009	-.009	0	0
55	CORNER3	Z	-.007	-.007	0	0
56	CORNER2	Z	-.007	-.007	0	0
57	CORNER1	Z	-.007	-.007	0	0
58	ANGLE3	Z	-.01	-.01	0	0
59	ANGLE2	Z	-.01	-.01	0	0
60	ANGLE1	Z	-.01	-.01	0	0
61	M130	Z	-.007	-.007	0	0

Member Distributed Loads (BLC 6 : Wind Load (30))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	-.014	-.014	0	0
2	FACE2	PY	-.014	-.014	0	0
3	FACE1	PY	-.003	-.003	0	0

Member Distributed Loads (BLC 6 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
4	SUPPRAIL3	PY	-.01	-.01	0	0
5	SUPPRAIL2	PY	-.01	-.01	0	0
6	SUPPRAIL1	PY	-.003	-.003	0	0
7	KICKER3b	PY	-.02	-.02	0	0
8	KICKER3A	PY	-.02	-.02	0	0
9	KICKER2b	PY	-.02	-.02	0	0
10	KICKER2a	PY	-.02	-.02	0	0
11	KICKER1b	PY	-.005	-.005	0	0
12	KICKER1a	PY	-.005	-.005	0	0
13	SUP3B	PY	-.003	-.003	0	0
14	SUP3A	PY	-.003	-.003	0	0
15	SUP2B	PY	-.003	-.003	0	0
16	SUP2A	PY	-.003	-.003	0	0
17	SUP1B	PY	-.003	-.003	0	0
18	SUP1A	PY	-.003	-.003	0	0
19	SO3b	PY	-.003	-.003	0	0
20	SO3a	PY	-.003	-.003	0	0
21	SO2b	PY	-.003	-.003	0	0
22	SO2a	PY	-.003	-.003	0	0
23	SO1b	PY	-.003	-.003	0	0
24	SO1a	PY	-.003	-.003	0	0
25	PLATE12	PY	-.01	-.01	0	0
26	PLATE11	PY	-.01	-.01	0	0
27	PLATE10	PY	-.01	-.01	0	0
28	PLATE9	PY	-.01	-.01	0	0
29	PLATE8	PY	-.01	-.01	0	0
30	PLATE7	PY	-.01	-.01	0	0
31	PLATE6	PY	-.01	-.01	0	0
32	PLATE5	PY	-.01	-.01	0	0
33	PLATE4	PY	-.01	-.01	0	0
34	PLATE3	PY	-.01	-.01	0	0
35	PLATE2	PY	-.01	-.01	0	0
36	PLATE1	PY	-.01	-.01	0	0
37	MP GAMMA4	PY	-.01	-.01	0	0
38	MP GAMMA3	PY	-.01	-.01	0	0
39	MP GAMMA2	PY	-.01	-.01	0	0
40	MP GAMMA1	PY	-.01	-.01	0	0
41	MP BETA4	PY	-.01	-.01	0	0
42	MP BETA3	PY	-.01	-.01	0	0
43	MP BETA2	PY	-.01	-.01	0	0
44	MP BETA1	PY	-.01	-.01	0	0
45	MP ALPHA4	PY	-.01	-.01	0	0
46	MP ALPHA3	PY	-.01	-.01	0	0
47	MP ALPHA2	PY	-.01	-.01	0	0
48	MP ALPHA1	PY	-.01	-.01	0	0
49	CR3B	PY	-.003	-.003	0	0
50	CR3A	PY	-.003	-.003	0	0
51	CR2B	PY	-.003	-.003	0	0
52	CR2A	PY	-.003	-.003	0	0
53	CR1B	PY	-.003	-.003	0	0
54	CR1A	PY	-.003	-.003	0	0
55	CORNER3	PY	-.01	-.01	0	0
56	CORNER2	PY	-.01	-.01	0	0
57	CORNER1	PY	-.01	-.01	0	0
58	ANGLE3	PY	-.008	-.008	0	0
59	ANGLE2	PY	-.008	-.008	0	0
60	ANGLE1	PY	-.008	-.008	0	0

Member Distributed Loads (BLC 6 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
61	FACE3	PX	-.008	-.008	0	0
62	FACE2	PX	-.008	-.008	0	0
63	FACE1	PX	-.002	-.002	0	0
64	SUPPRAIL3	PX	-.005	-.005	0	0
65	SUPPRAIL2	PX	-.005	-.005	0	0
66	SUPPRAIL1	PX	-.002	-.002	0	0
67	KICKER3b	PX	-.011	-.011	0	0
68	KICKER3A	PX	-.011	-.011	0	0
69	KICKER2b	PX	-.011	-.011	0	0
70	KICKER2a	PX	-.011	-.011	0	0
71	KICKER1b	PX	-.003	-.003	0	0
72	KICKER1a	PX	-.003	-.003	0	0
73	SUP3B	PX	-.002	-.002	0	0
74	SUP3A	PX	-.002	-.002	0	0
75	SUP2B	PX	-.002	-.002	0	0
76	SUP2A	PX	-.002	-.002	0	0
77	SUP1B	PX	-.002	-.002	0	0
78	SUP1A	PX	-.002	-.002	0	0
79	SO3b	PX	-.002	-.002	0	0
80	SO3a	PX	-.002	-.002	0	0
81	SO2b	PX	-.002	-.002	0	0
82	SO2a	PX	-.002	-.002	0	0
83	SO1b	PX	-.002	-.002	0	0
84	SO1a	PX	-.002	-.002	0	0
85	PLATE12	PX	-.005	-.005	0	0
86	PLATE11	PX	-.005	-.005	0	0
87	PLATE10	PX	-.005	-.005	0	0
88	PLATE9	PX	-.005	-.005	0	0
89	PLATE8	PX	-.005	-.005	0	0
90	PLATE7	PX	-.005	-.005	0	0
91	PLATE6	PX	-.005	-.005	0	0
92	PLATE5	PX	-.005	-.005	0	0
93	PLATE4	PX	-.005	-.005	0	0
94	PLATE3	PX	-.005	-.005	0	0
95	PLATE2	PX	-.005	-.005	0	0
96	PLATE1	PX	-.005	-.005	0	0
97	MP GAMMA4	PX	-.005	-.005	0	0
98	MP GAMMA3	PX	-.005	-.005	0	0
99	MP GAMMA2	PX	-.005	-.005	0	0
100	MP GAMMA1	PX	-.005	-.005	0	0
101	MP BETA4	PX	-.005	-.005	0	0
102	MP BETA3	PX	-.005	-.005	0	0
103	MP BETA2	PX	-.005	-.005	0	0
104	MP BETA1	PX	-.005	-.005	0	0
105	MP ALPHA4	PX	-.005	-.005	0	0
106	MP ALPHA3	PX	-.005	-.005	0	0
107	MP ALPHA2	PX	-.005	-.005	0	0
108	MP ALPHA1	PX	-.005	-.005	0	0
109	CR3B	PX	-.002	-.002	0	0
110	CR3A	PX	-.002	-.002	0	0
111	CR2B	PX	-.002	-.002	0	0
112	CR2A	PX	-.002	-.002	0	0
113	CR1B	PX	-.002	-.002	0	0
114	CR1A	PX	-.002	-.002	0	0
115	CORNER3	PX	-.005	-.005	0	0
116	CORNER2	PX	-.005	-.005	0	0
117	CORNER1	PX	-.005	-.005	0	0

Member Distributed Loads (BLC 6 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
118	ANGLE3	PX	-.004	-.004	0	0
119	ANGLE2	PX	-.004	-.004	0	0
120	ANGLE1	PX	-.004	-.004	0	0
121	M130	PY	-.003	-.003	0	0
122	M130	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 7 : Ice Wind Load (30))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	-.004	-.004	0	0
2	FACE2	PY	-.004	-.004	0	0
3	FACE1	PY	-.000866	-.000866	0	0
4	SUPPRAIL3	PY	-.003	-.003	0	0
5	SUPPRAIL2	PY	-.003	-.003	0	0
6	SUPPRAIL1	PY	-.000866	-.000866	0	0
7	KICKER3b	PY	-.004	-.004	0	0
8	KICKER3A	PY	-.004	-.004	0	0
9	KICKER2b	PY	-.004	-.004	0	0
10	KICKER2a	PY	-.004	-.004	0	0
11	KICKER1b	PY	-.002	-.002	0	0
12	KICKER1a	PY	-.002	-.002	0	0
13	SUP3B	PY	-.002	-.002	0	0
14	SUP3A	PY	-.002	-.002	0	0
15	SUP2B	PY	-.002	-.002	0	0
16	SUP2A	PY	-.002	-.002	0	0
17	SUP1B	PY	-.002	-.002	0	0
18	SUP1A	PY	-.002	-.002	0	0
19	SO3b	PY	-.000866	-.000866	0	0
20	SO3a	PY	-.000866	-.000866	0	0
21	SO2b	PY	-.000866	-.000866	0	0
22	SO2a	PY	-.000866	-.000866	0	0
23	SO1b	PY	-.000866	-.000866	0	0
24	SO1a	PY	-.000866	-.000866	0	0
25	PLATE12	PY	-.003	-.003	0	0
26	PLATE11	PY	-.003	-.003	0	0
27	PLATE10	PY	-.003	-.003	0	0
28	PLATE9	PY	-.003	-.003	0	0
29	PLATE8	PY	-.003	-.003	0	0
30	PLATE7	PY	-.003	-.003	0	0
31	PLATE6	PY	-.003	-.003	0	0
32	PLATE5	PY	-.003	-.003	0	0
33	PLATE4	PY	-.003	-.003	0	0
34	PLATE3	PY	-.003	-.003	0	0
35	PLATE2	PY	-.003	-.003	0	0
36	PLATE1	PY	-.003	-.003	0	0
37	MP GAMMA4	PY	-.003	-.003	0	0
38	MP GAMMA3	PY	-.003	-.003	0	0
39	MP GAMMA2	PY	-.003	-.003	0	0
40	MP GAMMA1	PY	-.003	-.003	0	0
41	MP BETA4	PY	-.003	-.003	0	0
42	MP BETA3	PY	-.003	-.003	0	0
43	MP BETA2	PY	-.003	-.003	0	0
44	MP BETA1	PY	-.003	-.003	0	0
45	MP ALPHA4	PY	-.003	-.003	0	0
46	MP ALPHA3	PY	-.003	-.003	0	0
47	MP ALPHA2	PY	-.003	-.003	0	0
48	MP ALPHA1	PY	-.003	-.003	0	0

Member Distributed Loads (BLC 7 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
49	CR3B	PY	-.002	-.002	0	0
50	CR3A	PY	-.002	-.002	0	0
51	CR2B	PY	-.002	-.002	0	0
52	CR2A	PY	-.002	-.002	0	0
53	CR1B	PY	-.002	-.002	0	0
54	CR1A	PY	-.002	-.002	0	0
55	CORNER3	PY	-.002	-.002	0	0
56	CORNER2	PY	-.002	-.002	0	0
57	CORNER1	PY	-.002	-.002	0	0
58	ANGLE3	PY	-.003	-.003	0	0
59	ANGLE2	PY	-.003	-.003	0	0
60	ANGLE1	PY	-.003	-.003	0	0
61	FACE3	PX	-.003	-.003	0	0
62	FACE2	PX	-.003	-.003	0	0
63	FACE1	PX	-.0005	-.0005	0	0
64	SUPPRAIL3	PX	-.002	-.002	0	0
65	SUPPRAIL2	PX	-.002	-.002	0	0
66	SUPPRAIL1	PX	-.0005	-.0005	0	0
67	KICKER3b	PX	-.003	-.003	0	0
68	KICKER3A	PX	-.003	-.003	0	0
69	KICKER2b	PX	-.003	-.003	0	0
70	KICKER2a	PX	-.003	-.003	0	0
71	KICKER1b	PX	-.001	-.001	0	0
72	KICKER1a	PX	-.001	-.001	0	0
73	SUP3B	PX	-.001	-.001	0	0
74	SUP3A	PX	-.001	-.001	0	0
75	SUP2B	PX	-.001	-.001	0	0
76	SUP2A	PX	-.001	-.001	0	0
77	SUP1B	PX	-.001	-.001	0	0
78	SUP1A	PX	-.001	-.001	0	0
79	SO3b	PX	-.0005	-.0005	0	0
80	SO3a	PX	-.0005	-.0005	0	0
81	SO2b	PX	-.0005	-.0005	0	0
82	SO2a	PX	-.0005	-.0005	0	0
83	SO1b	PX	-.0005	-.0005	0	0
84	SO1a	PX	-.0005	-.0005	0	0
85	PLATE12	PX	-.002	-.002	0	0
86	PLATE11	PX	-.002	-.002	0	0
87	PLATE10	PX	-.002	-.002	0	0
88	PLATE9	PX	-.002	-.002	0	0
89	PLATE8	PX	-.002	-.002	0	0
90	PLATE7	PX	-.002	-.002	0	0
91	PLATE6	PX	-.002	-.002	0	0
92	PLATE5	PX	-.002	-.002	0	0
93	PLATE4	PX	-.002	-.002	0	0
94	PLATE3	PX	-.002	-.002	0	0
95	PLATE2	PX	-.002	-.002	0	0
96	PLATE1	PX	-.002	-.002	0	0
97	MP GAMMA4	PX	-.002	-.002	0	0
98	MP GAMMA3	PX	-.002	-.002	0	0
99	MP GAMMA2	PX	-.002	-.002	0	0
100	MP GAMMA1	PX	-.002	-.002	0	0
101	MP BETA4	PX	-.002	-.002	0	0
102	MP BETA3	PX	-.002	-.002	0	0
103	MP BETA2	PX	-.002	-.002	0	0
104	MP BETA1	PX	-.002	-.002	0	0
105	MP ALPHA4	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 7 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
106	MP ALPHA3	PX	-.002	-.002	0	0
107	MP ALPHA2	PX	-.002	-.002	0	0
108	MP ALPHA1	PX	-.002	-.002	0	0
109	CR3B	PX	-.001	-.001	0	0
110	CR3A	PX	-.001	-.001	0	0
111	CR2B	PX	-.001	-.001	0	0
112	CR2A	PX	-.001	-.001	0	0
113	CR1B	PX	-.001	-.001	0	0
114	CR1A	PX	-.001	-.001	0	0
115	CORNER3	PX	-.001	-.001	0	0
116	CORNER2	PX	-.001	-.001	0	0
117	CORNER1	PX	-.001	-.001	0	0
118	ANGLE3	PX	-.002	-.002	0	0
119	ANGLE2	PX	-.002	-.002	0	0
120	ANGLE1	PX	-.002	-.002	0	0
121	M130	PY	-.000866	-.000866	0	0
122	M130	PX	-.0005	-.0005	0	0

Member Distributed Loads (BLC 8 : Wind Load (60))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	-.008	-.008	0	0
2	FACE2	PY	-.008	-.008	0	0
3	FACE1	PY	-.002	-.002	0	0
4	SUPPRAIL3	PY	-.005	-.005	0	0
5	SUPPRAIL2	PY	-.005	-.005	0	0
6	SUPPRAIL1	PY	-.002	-.002	0	0
7	KICKER3b	PY	-.011	-.011	0	0
8	KICKER3A	PY	-.011	-.011	0	0
9	KICKER2b	PY	-.011	-.011	0	0
10	KICKER2a	PY	-.011	-.011	0	0
11	KICKER1b	PY	-.003	-.003	0	0
12	KICKER1a	PY	-.003	-.003	0	0
13	SUP3B	PY	-.002	-.002	0	0
14	SUP3A	PY	-.002	-.002	0	0
15	SUP2B	PY	-.002	-.002	0	0
16	SUP2A	PY	-.002	-.002	0	0
17	SUP1B	PY	-.002	-.002	0	0
18	SUP1A	PY	-.002	-.002	0	0
19	SO3b	PY	-.002	-.002	0	0
20	SO3a	PY	-.002	-.002	0	0
21	SO2b	PY	-.002	-.002	0	0
22	SO2a	PY	-.002	-.002	0	0
23	SO1b	PY	-.002	-.002	0	0
24	SO1a	PY	-.002	-.002	0	0
25	PLATE12	PY	-.005	-.005	0	0
26	PLATE11	PY	-.005	-.005	0	0
27	PLATE10	PY	-.005	-.005	0	0
28	PLATE9	PY	-.005	-.005	0	0
29	PLATE8	PY	-.005	-.005	0	0
30	PLATE7	PY	-.005	-.005	0	0
31	PLATE6	PY	-.005	-.005	0	0
32	PLATE5	PY	-.005	-.005	0	0
33	PLATE4	PY	-.005	-.005	0	0
34	PLATE3	PY	-.005	-.005	0	0
35	PLATE2	PY	-.005	-.005	0	0
36	PLATE1	PY	-.005	-.005	0	0

Member Distributed Loads (BLC 8 : Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
37	MP GAMMA4	PY	-.005	-.005	0	0
38	MP GAMMA3	PY	-.005	-.005	0	0
39	MP GAMMA2	PY	-.005	-.005	0	0
40	MP GAMMA1	PY	-.005	-.005	0	0
41	MP BETA4	PY	-.005	-.005	0	0
42	MP BETA3	PY	-.005	-.005	0	0
43	MP BETA2	PY	-.005	-.005	0	0
44	MP BETA1	PY	-.005	-.005	0	0
45	MP ALPHA4	PY	-.005	-.005	0	0
46	MP ALPHA3	PY	-.005	-.005	0	0
47	MP ALPHA2	PY	-.005	-.005	0	0
48	MP ALPHA1	PY	-.005	-.005	0	0
49	CR3B	PY	-.002	-.002	0	0
50	CR3A	PY	-.002	-.002	0	0
51	CR2B	PY	-.002	-.002	0	0
52	CR2A	PY	-.002	-.002	0	0
53	CR1B	PY	-.002	-.002	0	0
54	CR1A	PY	-.002	-.002	0	0
55	CORNER3	PY	-.005	-.005	0	0
56	CORNER2	PY	-.005	-.005	0	0
57	CORNER1	PY	-.005	-.005	0	0
58	ANGLE3	PY	-.004	-.004	0	0
59	ANGLE2	PY	-.004	-.004	0	0
60	ANGLE1	PY	-.004	-.004	0	0
61	FACE3	PX	-.014	-.014	0	0
62	FACE2	PX	-.014	-.014	0	0
63	FACE1	PX	-.003	-.003	0	0
64	SUPPRAIL3	PX	-.01	-.01	0	0
65	SUPPRAIL2	PX	-.01	-.01	0	0
66	SUPPRAIL1	PX	-.003	-.003	0	0
67	KICKER3b	PX	-.02	-.02	0	0
68	KICKER3A	PX	-.02	-.02	0	0
69	KICKER2b	PX	-.02	-.02	0	0
70	KICKER2a	PX	-.02	-.02	0	0
71	KICKER1b	PX	-.005	-.005	0	0
72	KICKER1a	PX	-.005	-.005	0	0
73	SUP3B	PX	-.003	-.003	0	0
74	SUP3A	PX	-.003	-.003	0	0
75	SUP2B	PX	-.003	-.003	0	0
76	SUP2A	PX	-.003	-.003	0	0
77	SUP1B	PX	-.003	-.003	0	0
78	SUP1A	PX	-.003	-.003	0	0
79	SO3b	PX	-.003	-.003	0	0
80	SO3a	PX	-.003	-.003	0	0
81	SO2b	PX	-.003	-.003	0	0
82	SO2a	PX	-.003	-.003	0	0
83	SO1b	PX	-.003	-.003	0	0
84	SO1a	PX	-.003	-.003	0	0
85	PLATE12	PX	-.01	-.01	0	0
86	PLATE11	PX	-.01	-.01	0	0
87	PLATE10	PX	-.01	-.01	0	0
88	PLATE9	PX	-.01	-.01	0	0
89	PLATE8	PX	-.01	-.01	0	0
90	PLATE7	PX	-.01	-.01	0	0
91	PLATE6	PX	-.01	-.01	0	0
92	PLATE5	PX	-.01	-.01	0	0
93	PLATE4	PX	-.01	-.01	0	0

Member Distributed Loads (BLC 8 : Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
94	PLATE3	PX	-.01	-.01	0	0
95	PLATE2	PX	-.01	-.01	0	0
96	PLATE1	PX	-.01	-.01	0	0
97	MP GAMMA4	PX	-.01	-.01	0	0
98	MP GAMMA3	PX	-.01	-.01	0	0
99	MP GAMMA2	PX	-.01	-.01	0	0
100	MP GAMMA1	PX	-.01	-.01	0	0
101	MP BETA4	PX	-.01	-.01	0	0
102	MP BETA3	PX	-.01	-.01	0	0
103	MP BETA2	PX	-.01	-.01	0	0
104	MP BETA1	PX	-.01	-.01	0	0
105	MP ALPHA4	PX	-.01	-.01	0	0
106	MP ALPHA3	PX	-.01	-.01	0	0
107	MP ALPHA2	PX	-.01	-.01	0	0
108	MP ALPHA1	PX	-.01	-.01	0	0
109	CR3B	PX	-.003	-.003	0	0
110	CR3A	PX	-.003	-.003	0	0
111	CR2B	PX	-.003	-.003	0	0
112	CR2A	PX	-.003	-.003	0	0
113	CR1B	PX	-.003	-.003	0	0
114	CR1A	PX	-.003	-.003	0	0
115	CORNER3	PX	-.01	-.01	0	0
116	CORNER2	PX	-.01	-.01	0	0
117	CORNER1	PX	-.01	-.01	0	0
118	ANGLE3	PX	-.008	-.008	0	0
119	ANGLE2	PX	-.008	-.008	0	0
120	ANGLE1	PX	-.008	-.008	0	0
121	M130	PY	-.002	-.002	0	0
122	M130	PX	-.003	-.003	0	0

Member Distributed Loads (BLC 9 : Ice Wind Load (60))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	-.003	-.003	0	0
2	FACE2	PY	-.003	-.003	0	0
3	FACE1	PY	-.0005	-.0005	0	0
4	SUPPRAIL3	PY	-.002	-.002	0	0
5	SUPPRAIL2	PY	-.002	-.002	0	0
6	SUPPRAIL1	PY	-.0005	-.0005	0	0
7	KICKER3b	PY	-.003	-.003	0	0
8	KICKER3A	PY	-.003	-.003	0	0
9	KICKER2b	PY	-.003	-.003	0	0
10	KICKER2a	PY	-.003	-.003	0	0
11	KICKER1b	PY	-.001	-.001	0	0
12	KICKER1a	PY	-.001	-.001	0	0
13	SUP3B	PY	-.001	-.001	0	0
14	SUP3A	PY	-.001	-.001	0	0
15	SUP2B	PY	-.001	-.001	0	0
16	SUP2A	PY	-.001	-.001	0	0
17	SUP1B	PY	-.001	-.001	0	0
18	SUP1A	PY	-.001	-.001	0	0
19	SO3b	PY	-.0005	-.0005	0	0
20	SO3a	PY	-.0005	-.0005	0	0
21	SO2b	PY	-.0005	-.0005	0	0
22	SO2a	PY	-.0005	-.0005	0	0
23	SO1b	PY	-.0005	-.0005	0	0
24	SO1a	PY	-.0005	-.0005	0	0

Member Distributed Loads (BLC 9 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
25	PLATE12	PY	-.002	-.002	0	0
26	PLATE11	PY	-.002	-.002	0	0
27	PLATE10	PY	-.002	-.002	0	0
28	PLATE9	PY	-.002	-.002	0	0
29	PLATE8	PY	-.002	-.002	0	0
30	PLATE7	PY	-.002	-.002	0	0
31	PLATE6	PY	-.002	-.002	0	0
32	PLATE5	PY	-.002	-.002	0	0
33	PLATE4	PY	-.002	-.002	0	0
34	PLATE3	PY	-.002	-.002	0	0
35	PLATE2	PY	-.002	-.002	0	0
36	PLATE1	PY	-.002	-.002	0	0
37	MP GAMMA4	PY	-.002	-.002	0	0
38	MP GAMMA3	PY	-.002	-.002	0	0
39	MP GAMMA2	PY	-.002	-.002	0	0
40	MP GAMMA1	PY	-.002	-.002	0	0
41	MP BETA4	PY	-.002	-.002	0	0
42	MP BETA3	PY	-.002	-.002	0	0
43	MP BETA2	PY	-.002	-.002	0	0
44	MP BETA1	PY	-.002	-.002	0	0
45	MP ALPHA4	PY	-.002	-.002	0	0
46	MP ALPHA3	PY	-.002	-.002	0	0
47	MP ALPHA2	PY	-.002	-.002	0	0
48	MP ALPHA1	PY	-.002	-.002	0	0
49	CR3B	PY	-.001	-.001	0	0
50	CR3A	PY	-.001	-.001	0	0
51	CR2B	PY	-.001	-.001	0	0
52	CR2A	PY	-.001	-.001	0	0
53	CR1B	PY	-.001	-.001	0	0
54	CR1A	PY	-.001	-.001	0	0
55	CORNER3	PY	-.001	-.001	0	0
56	CORNER2	PY	-.001	-.001	0	0
57	CORNER1	PY	-.001	-.001	0	0
58	ANGLE3	PY	-.002	-.002	0	0
59	ANGLE2	PY	-.002	-.002	0	0
60	ANGLE1	PY	-.002	-.002	0	0
61	FACE3	PX	-.004	-.004	0	0
62	FACE2	PX	-.004	-.004	0	0
63	FACE1	PX	-.000866	-.000866	0	0
64	SUPPRAIL3	PX	-.003	-.003	0	0
65	SUPPRAIL2	PX	-.003	-.003	0	0
66	SUPPRAIL1	PX	-.000866	-.000866	0	0
67	KICKER3b	PX	-.004	-.004	0	0
68	KICKER3A	PX	-.004	-.004	0	0
69	KICKER2b	PX	-.004	-.004	0	0
70	KICKER2a	PX	-.004	-.004	0	0
71	KICKER1b	PX	-.002	-.002	0	0
72	KICKER1a	PX	-.002	-.002	0	0
73	SUP3B	PX	-.002	-.002	0	0
74	SUP3A	PX	-.002	-.002	0	0
75	SUP2B	PX	-.002	-.002	0	0
76	SUP2A	PX	-.002	-.002	0	0
77	SUP1B	PX	-.002	-.002	0	0
78	SUP1A	PX	-.002	-.002	0	0
79	SO3b	PX	-.000866	-.000866	0	0
80	SO3a	PX	-.000866	-.000866	0	0
81	SO2b	PX	-.000866	-.000866	0	0

Member Distributed Loads (BLC 9 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
82	SO2a	PX	-.000866	-.000866	0	0
83	SO1b	PX	-.000866	-.000866	0	0
84	SO1a	PX	-.000866	-.000866	0	0
85	PLATE12	PX	-.003	-.003	0	0
86	PLATE11	PX	-.003	-.003	0	0
87	PLATE10	PX	-.003	-.003	0	0
88	PLATE9	PX	-.003	-.003	0	0
89	PLATE8	PX	-.003	-.003	0	0
90	PLATE7	PX	-.003	-.003	0	0
91	PLATE6	PX	-.003	-.003	0	0
92	PLATE5	PX	-.003	-.003	0	0
93	PLATE4	PX	-.003	-.003	0	0
94	PLATE3	PX	-.003	-.003	0	0
95	PLATE2	PX	-.003	-.003	0	0
96	PLATE1	PX	-.003	-.003	0	0
97	MP GAMMA4	PX	-.003	-.003	0	0
98	MP GAMMA3	PX	-.003	-.003	0	0
99	MP GAMMA2	PX	-.003	-.003	0	0
100	MP GAMMA1	PX	-.003	-.003	0	0
101	MP BETA4	PX	-.003	-.003	0	0
102	MP BETA3	PX	-.003	-.003	0	0
103	MP BETA2	PX	-.003	-.003	0	0
104	MP BETA1	PX	-.003	-.003	0	0
105	MP ALPHA4	PX	-.003	-.003	0	0
106	MP ALPHA3	PX	-.003	-.003	0	0
107	MP ALPHA2	PX	-.003	-.003	0	0
108	MP ALPHA1	PX	-.003	-.003	0	0
109	CR3B	PX	-.002	-.002	0	0
110	CR3A	PX	-.002	-.002	0	0
111	CR2B	PX	-.002	-.002	0	0
112	CR2A	PX	-.002	-.002	0	0
113	CR1B	PX	-.002	-.002	0	0
114	CR1A	PX	-.002	-.002	0	0
115	CORNER3	PX	-.002	-.002	0	0
116	CORNER2	PX	-.002	-.002	0	0
117	CORNER1	PX	-.002	-.002	0	0
118	ANGLE3	PX	-.003	-.003	0	0
119	ANGLE2	PX	-.003	-.003	0	0
120	ANGLE1	PX	-.003	-.003	0	0
121	M130	PY	-.0005	-.0005	0	0
122	M130	PX	-.000866	-.000866	0	0

Member Distributed Loads (BLC 10 : Wind Load (90))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PX	-.016	-.016	0	0
2	FACE2	PX	-.016	-.016	0	0
3	FACE1	PX	-.004	-.004	0	0
4	SUPPRAIL3	PX	-.011	-.011	0	0
5	SUPPRAIL2	PX	-.011	-.011	0	0
6	SUPPRAIL1	PX	-.003	-.003	0	0
7	KICKER3b	PX	-.023	-.023	0	0
8	KICKER3A	PX	-.023	-.023	0	0
9	KICKER2b	PX	-.023	-.023	0	0
10	KICKER2a	PX	-.023	-.023	0	0
11	KICKER1b	PX	-.006	-.006	0	0
12	KICKER1a	PX	-.006	-.006	0	0

Member Distributed Loads (BLC 10 : Wind Load (90)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
13	SUP3B	PX	-.004	-.004	0	0
14	SUP3A	PX	-.004	-.004	0	0
15	SUP2B	PX	-.004	-.004	0	0
16	SUP2A	PX	-.004	-.004	0	0
17	SUP1B	PX	-.004	-.004	0	0
18	SUP1A	PX	-.004	-.004	0	0
19	SO3b	PX	-.004	-.004	0	0
20	SO3a	PX	-.004	-.004	0	0
21	SO2b	PX	-.004	-.004	0	0
22	SO2a	PX	-.004	-.004	0	0
23	SO1b	PX	-.004	-.004	0	0
24	SO1a	PX	-.004	-.004	0	0
25	PLATE12	PX	-.011	-.011	0	0
26	PLATE11	PX	-.011	-.011	0	0
27	PLATE10	PX	-.011	-.011	0	0
28	PLATE9	PX	-.011	-.011	0	0
29	PLATE8	PX	-.011	-.011	0	0
30	PLATE7	PX	-.011	-.011	0	0
31	PLATE6	PX	-.011	-.011	0	0
32	PLATE5	PX	-.011	-.011	0	0
33	PLATE4	PX	-.011	-.011	0	0
34	PLATE3	PX	-.011	-.011	0	0
35	PLATE2	PX	-.011	-.011	0	0
36	PLATE1	PX	-.011	-.011	0	0
37	MP GAMMA4	PX	-.011	-.011	0	0
38	MP GAMMA3	PX	-.011	-.011	0	0
39	MP GAMMA2	PX	-.011	-.011	0	0
40	MP GAMMA1	PX	-.011	-.011	0	0
41	MP BETA4	PX	-.011	-.011	0	0
42	MP BETA3	PX	-.011	-.011	0	0
43	MP BETA2	PX	-.011	-.011	0	0
44	MP BETA1	PX	-.011	-.011	0	0
45	MP ALPHA4	PX	-.011	-.011	0	0
46	MP ALPHA3	PX	-.011	-.011	0	0
47	MP ALPHA2	PX	-.011	-.011	0	0
48	MP ALPHA1	PX	-.011	-.011	0	0
49	CR3B	PX	-.004	-.004	0	0
50	CR3A	PX	-.004	-.004	0	0
51	CR2B	PX	-.004	-.004	0	0
52	CR2A	PX	-.004	-.004	0	0
53	CR1B	PX	-.004	-.004	0	0
54	CR1A	PX	-.004	-.004	0	0
55	CORNER3	PX	-.011	-.011	0	0
56	CORNER2	PX	-.011	-.011	0	0
57	CORNER1	PX	-.011	-.011	0	0
58	ANGLE3	PX	-.009	-.009	0	0
59	ANGLE2	PX	-.009	-.009	0	0
60	ANGLE1	PX	-.009	-.009	0	0
61	M130	PX	-.004	-.004	0	0

Member Distributed Loads (BLC 11 : Ice Wind Load (90))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PX	-.005	-.005	0	0
2	FACE2	PX	-.005	-.005	0	0
3	FACE1	PX	-.001	-.001	0	0
4	SUPPRAIL3	PX	-.004	-.004	0	0

Member Distributed Loads (BLC 11 : Ice Wind Load (90)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
5	SUPPRAIL2	PX	-.004	-.004	0	0
6	SUPPRAIL1	PX	-.001	-.001	0	0
7	KICKER3b	PX	-.005	-.005	0	0
8	KICKER3A	PX	-.005	-.005	0	0
9	KICKER2b	PX	-.005	-.005	0	0
10	KICKER2a	PX	-.005	-.005	0	0
11	KICKER1b	PX	-.002	-.002	0	0
12	KICKER1a	PX	-.002	-.002	0	0
13	SUP3B	PX	-.002	-.002	0	0
14	SUP3A	PX	-.002	-.002	0	0
15	SUP2B	PX	-.002	-.002	0	0
16	SUP2A	PX	-.002	-.002	0	0
17	SUP1B	PX	-.002	-.002	0	0
18	SUP1A	PX	-.002	-.002	0	0
19	SO3b	PX	-.001	-.001	0	0
20	SO3a	PX	-.001	-.001	0	0
21	SO2b	PX	-.001	-.001	0	0
22	SO2a	PX	-.001	-.001	0	0
23	SO1b	PX	-.001	-.001	0	0
24	SO1a	PX	-.001	-.001	0	0
25	PLATE12	PX	-.004	-.004	0	0
26	PLATE11	PX	-.004	-.004	0	0
27	PLATE10	PX	-.004	-.004	0	0
28	PLATE9	PX	-.004	-.004	0	0
29	PLATE8	PX	-.004	-.004	0	0
30	PLATE7	PX	-.004	-.004	0	0
31	PLATE6	PX	-.004	-.004	0	0
32	PLATE5	PX	-.004	-.004	0	0
33	PLATE4	PX	-.004	-.004	0	0
34	PLATE3	PX	-.004	-.004	0	0
35	PLATE2	PX	-.004	-.004	0	0
36	PLATE1	PX	-.004	-.004	0	0
37	MP GAMMA4	PX	-.004	-.004	0	0
38	MP GAMMA3	PX	-.004	-.004	0	0
39	MP GAMMA2	PX	-.004	-.004	0	0
40	MP GAMMA1	PX	-.004	-.004	0	0
41	MP BETA4	PX	-.004	-.004	0	0
42	MP BETA3	PX	-.004	-.004	0	0
43	MP BETA2	PX	-.004	-.004	0	0
44	MP BETA1	PX	-.004	-.004	0	0
45	MP ALPHA4	PX	-.004	-.004	0	0
46	MP ALPHA3	PX	-.004	-.004	0	0
47	MP ALPHA2	PX	-.004	-.004	0	0
48	MP ALPHA1	PX	-.004	-.004	0	0
49	CR3B	PX	-.002	-.002	0	0
50	CR3A	PX	-.002	-.002	0	0
51	CR2B	PX	-.002	-.002	0	0
52	CR2A	PX	-.002	-.002	0	0
53	CR1B	PX	-.002	-.002	0	0
54	CR1A	PX	-.002	-.002	0	0
55	CORNER3	PX	-.002	-.002	0	0
56	CORNER2	PX	-.002	-.002	0	0
57	CORNER1	PX	-.002	-.002	0	0
58	ANGLE3	PX	-.003	-.003	0	0
59	ANGLE2	PX	-.003	-.003	0	0
60	ANGLE1	PX	-.003	-.003	0	0
61	M130	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 12 : Wind Load (120))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	.008	.008	0	0
2	FACE1	PY	.008	.008	0	0
3	FACE2	PY	.002	.002	0	0
4	SUPPRAIL3	PY	.005	.005	0	0
5	SUPPRAIL1	PY	.005	.005	0	0
6	SUPPRAIL2	PY	.002	.002	0	0
7	KICKER3b	PY	.011	.011	0	0
8	KICKER3A	PY	.011	.011	0	0
9	KICKER1b	PY	.011	.011	0	0
10	KICKER1a	PY	.011	.011	0	0
11	KICKER3b	PY	.003	.003	0	0
12	KICKER3A	PY	.003	.003	0	0
13	SUP3B	PY	.002	.002	0	0
14	SUP3A	PY	.002	.002	0	0
15	SUP2B	PY	.002	.002	0	0
16	SUP2A	PY	.002	.002	0	0
17	SUP1B	PY	.002	.002	0	0
18	SUP1A	PY	.002	.002	0	0
19	SO3b	PY	.002	.002	0	0
20	SO3a	PY	.002	.002	0	0
21	SO2b	PY	.002	.002	0	0
22	SO2a	PY	.002	.002	0	0
23	SO1b	PY	.002	.002	0	0
24	SO1a	PY	.002	.002	0	0
25	PLATE12	PY	.005	.005	0	0
26	PLATE11	PY	.005	.005	0	0
27	PLATE10	PY	.005	.005	0	0
28	PLATE9	PY	.005	.005	0	0
29	PLATE8	PY	.005	.005	0	0
30	PLATE7	PY	.005	.005	0	0
31	PLATE6	PY	.005	.005	0	0
32	PLATE5	PY	.005	.005	0	0
33	PLATE4	PY	.005	.005	0	0
34	PLATE3	PY	.005	.005	0	0
35	PLATE2	PY	.005	.005	0	0
36	PLATE1	PY	.005	.005	0	0
37	MP GAMMA4	PY	.005	.005	0	0
38	MP GAMMA3	PY	.005	.005	0	0
39	MP GAMMA2	PY	.005	.005	0	0
40	MP GAMMA1	PY	.005	.005	0	0
41	MP BETA4	PY	.005	.005	0	0
42	MP BETA3	PY	.005	.005	0	0
43	MP BETA2	PY	.005	.005	0	0
44	MP BETA1	PY	.005	.005	0	0
45	MP ALPHA4	PY	.005	.005	0	0
46	MP ALPHA3	PY	.005	.005	0	0
47	MP ALPHA2	PY	.005	.005	0	0
48	MP ALPHA1	PY	.005	.005	0	0
49	CR3B	PY	.002	.002	0	0
50	CR3A	PY	.002	.002	0	0
51	CR2B	PY	.002	.002	0	0
52	CR2A	PY	.002	.002	0	0
53	CR1B	PY	.002	.002	0	0
54	CR1A	PY	.002	.002	0	0
55	CORNER3	PY	.005	.005	0	0
56	CORNER2	PY	.005	.005	0	0
57	CORNER1	PY	.005	.005	0	0

Member Distributed Loads (BLC 12 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
58	ANGLE3	PY	.004	.004	0	0
59	ANGLE2	PY	.004	.004	0	0
60	ANGLE1	PY	.004	.004	0	0
61	FACE3	PX	-.014	-.014	0	0
62	FACE1	PX	-.014	-.014	0	0
63	FACE2	PX	-.003	-.003	0	0
64	SUPPRAIL3	PX	-.01	-.01	0	0
65	SUPPRAIL1	PX	-.01	-.01	0	0
66	SUPPRAIL2	PX	-.003	-.003	0	0
67	KICKER3b	PX	-.02	-.02	0	0
68	KICKER3A	PX	-.02	-.02	0	0
69	KICKER1b	PX	-.02	-.02	0	0
70	KICKER1a	PX	-.02	-.02	0	0
71	KICKER3b	PX	-.005	-.005	0	0
72	KICKER3A	PX	-.005	-.005	0	0
73	SUP3B	PX	-.003	-.003	0	0
74	SUP3A	PX	-.003	-.003	0	0
75	SUP2B	PX	-.003	-.003	0	0
76	SUP2A	PX	-.003	-.003	0	0
77	SUP1B	PX	-.003	-.003	0	0
78	SUP1A	PX	-.003	-.003	0	0
79	SO3b	PX	-.003	-.003	0	0
80	SO3a	PX	-.003	-.003	0	0
81	SO2b	PX	-.003	-.003	0	0
82	SO2a	PX	-.003	-.003	0	0
83	SO1b	PX	-.003	-.003	0	0
84	SO1a	PX	-.003	-.003	0	0
85	PLATE12	PX	-.01	-.01	0	0
86	PLATE11	PX	-.01	-.01	0	0
87	PLATE10	PX	-.01	-.01	0	0
88	PLATE9	PX	-.01	-.01	0	0
89	PLATE8	PX	-.01	-.01	0	0
90	PLATE7	PX	-.01	-.01	0	0
91	PLATE6	PX	-.01	-.01	0	0
92	PLATE5	PX	-.01	-.01	0	0
93	PLATE4	PX	-.01	-.01	0	0
94	PLATE3	PX	-.01	-.01	0	0
95	PLATE2	PX	-.01	-.01	0	0
96	PLATE1	PX	-.01	-.01	0	0
97	MP GAMMA4	PX	-.01	-.01	0	0
98	MP GAMMA3	PX	-.01	-.01	0	0
99	MP GAMMA2	PX	-.01	-.01	0	0
100	MP GAMMA1	PX	-.01	-.01	0	0
101	MP BETA4	PX	-.01	-.01	0	0
102	MP BETA3	PX	-.01	-.01	0	0
103	MP BETA2	PX	-.01	-.01	0	0
104	MP BETA1	PX	-.01	-.01	0	0
105	MP ALPHA4	PX	-.01	-.01	0	0
106	MP ALPHA3	PX	-.01	-.01	0	0
107	MP ALPHA2	PX	-.01	-.01	0	0
108	MP ALPHA1	PX	-.01	-.01	0	0
109	CR3B	PX	-.003	-.003	0	0
110	CR3A	PX	-.003	-.003	0	0
111	CR2B	PX	-.003	-.003	0	0
112	CR2A	PX	-.003	-.003	0	0
113	CR1B	PX	-.003	-.003	0	0
114	CR1A	PX	-.003	-.003	0	0

Member Distributed Loads (BLC 12 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
115	CORNER3	PX	-.01	-.01	0	0
116	CORNER2	PX	-.01	-.01	0	0
117	CORNER1	PX	-.01	-.01	0	0
118	ANGLE3	PX	-.008	-.008	0	0
119	ANGLE2	PX	-.008	-.008	0	0
120	ANGLE1	PX	-.008	-.008	0	0
121	M130	PY	.002	.002	0	0
122	M130	PX	-.003	-.003	0	0

Member Distributed Loads (BLC 13 : Ice Wind Load (120))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	.003	.003	0	0
2	FACE1	PY	.003	.003	0	0
3	FACE2	PY	.0005	.0005	0	0
4	SUPPRAIL3	PY	.002	.002	0	0
5	SUPPRAIL1	PY	.002	.002	0	0
6	SUPPRAIL2	PY	.0005	.0005	0	0
7	KICKER3b	PY	.003	.003	0	0
8	KICKER3A	PY	.003	.003	0	0
9	KICKER1b	PY	.003	.003	0	0
10	KICKER1a	PY	.003	.003	0	0
11	KICKER2b	PY	.001	.001	0	0
12	KICKER2a	PY	.001	.001	0	0
13	SUP3B	PY	.001	.001	0	0
14	SUP3A	PY	.001	.001	0	0
15	SUP2B	PY	.001	.001	0	0
16	SUP2A	PY	.001	.001	0	0
17	SUP1B	PY	.001	.001	0	0
18	SUP1A	PY	.001	.001	0	0
19	SO3b	PY	.0005	.0005	0	0
20	SO3a	PY	.0005	.0005	0	0
21	SO2b	PY	.0005	.0005	0	0
22	SO2a	PY	.0005	.0005	0	0
23	SO1b	PY	.0005	.0005	0	0
24	SO1a	PY	.0005	.0005	0	0
25	PLATE12	PY	.002	.002	0	0
26	PLATE11	PY	.002	.002	0	0
27	PLATE10	PY	.002	.002	0	0
28	PLATE9	PY	.002	.002	0	0
29	PLATE8	PY	.002	.002	0	0
30	PLATE7	PY	.002	.002	0	0
31	PLATE6	PY	.002	.002	0	0
32	PLATE5	PY	.002	.002	0	0
33	PLATE4	PY	.002	.002	0	0
34	PLATE3	PY	.002	.002	0	0
35	PLATE2	PY	.002	.002	0	0
36	PLATE1	PY	.002	.002	0	0
37	MP GAMMA4	PY	.002	.002	0	0
38	MP GAMMA3	PY	.002	.002	0	0
39	MP GAMMA2	PY	.002	.002	0	0
40	MP GAMMA1	PY	.002	.002	0	0
41	MP BETA4	PY	.002	.002	0	0
42	MP BETA3	PY	.002	.002	0	0
43	MP BETA2	PY	.002	.002	0	0
44	MP BETA1	PY	.002	.002	0	0
45	MP ALPHA4	PY	.002	.002	0	0

Member Distributed Loads (BLC 13 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
46	MP ALPHA3	PY	.002	.002	0	0
47	MP ALPHA2	PY	.002	.002	0	0
48	MP ALPHA1	PY	.002	.002	0	0
49	CR3B	PY	.001	.001	0	0
50	CR3A	PY	.001	.001	0	0
51	CR2B	PY	.001	.001	0	0
52	CR2A	PY	.001	.001	0	0
53	CR1B	PY	.001	.001	0	0
54	CR1A	PY	.001	.001	0	0
55	CORNER3	PY	.001	.001	0	0
56	CORNER2	PY	.001	.001	0	0
57	CORNER1	PY	.001	.001	0	0
58	ANGLE3	PY	.002	.002	0	0
59	ANGLE2	PY	.002	.002	0	0
60	ANGLE1	PY	.002	.002	0	0
61	FACE3	PX	-.004	-.004	0	0
62	FACE1	PX	-.004	-.004	0	0
63	FACE2	PX	-.000866	-.000866	0	0
64	SUPPRAIL3	PX	-.003	-.003	0	0
65	SUPPRAIL1	PX	-.003	-.003	0	0
66	SUPPRAIL2	PX	-.000866	-.000866	0	0
67	KICKER3b	PX	-.004	-.004	0	0
68	KICKER3A	PX	-.004	-.004	0	0
69	KICKER1b	PX	-.004	-.004	0	0
70	KICKER1a	PX	-.004	-.004	0	0
71	KICKER2b	PX	-.002	-.002	0	0
72	KICKER2a	PX	-.002	-.002	0	0
73	SUP3B	PX	-.002	-.002	0	0
74	SUP3A	PX	-.002	-.002	0	0
75	SUP2B	PX	-.002	-.002	0	0
76	SUP2A	PX	-.002	-.002	0	0
77	SUP1B	PX	-.002	-.002	0	0
78	SUP1A	PX	-.002	-.002	0	0
79	SO3b	PX	-.000866	-.000866	0	0
80	SO3a	PX	-.000866	-.000866	0	0
81	SO2b	PX	-.000866	-.000866	0	0
82	SO2a	PX	-.000866	-.000866	0	0
83	SO1b	PX	-.000866	-.000866	0	0
84	SO1a	PX	-.000866	-.000866	0	0
85	PLATE12	PX	-.003	-.003	0	0
86	PLATE11	PX	-.003	-.003	0	0
87	PLATE10	PX	-.003	-.003	0	0
88	PLATE9	PX	-.003	-.003	0	0
89	PLATE8	PX	-.003	-.003	0	0
90	PLATE7	PX	-.003	-.003	0	0
91	PLATE6	PX	-.003	-.003	0	0
92	PLATE5	PX	-.003	-.003	0	0
93	PLATE4	PX	-.003	-.003	0	0
94	PLATE3	PX	-.003	-.003	0	0
95	PLATE2	PX	-.003	-.003	0	0
96	PLATE1	PX	-.003	-.003	0	0
97	MP GAMMA4	PX	-.003	-.003	0	0
98	MP GAMMA3	PX	-.003	-.003	0	0
99	MP GAMMA2	PX	-.003	-.003	0	0
100	MP GAMMA1	PX	-.003	-.003	0	0
101	MP BETA4	PX	-.003	-.003	0	0
102	MP BETA3	PX	-.003	-.003	0	0

Member Distributed Loads (BLC 13 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
103	MP BETA2	PX	-.003	-.003	0	0
104	MP BETA1	PX	-.003	-.003	0	0
105	MP ALPHA4	PX	-.003	-.003	0	0
106	MP ALPHA3	PX	-.003	-.003	0	0
107	MP ALPHA2	PX	-.003	-.003	0	0
108	MP ALPHA1	PX	-.003	-.003	0	0
109	CR3B	PX	-.002	-.002	0	0
110	CR3A	PX	-.002	-.002	0	0
111	CR2B	PX	-.002	-.002	0	0
112	CR2A	PX	-.002	-.002	0	0
113	CR1B	PX	-.002	-.002	0	0
114	CR1A	PX	-.002	-.002	0	0
115	CORNER3	PX	-.002	-.002	0	0
116	CORNER2	PX	-.002	-.002	0	0
117	CORNER1	PX	-.002	-.002	0	0
118	ANGLE3	PX	-.003	-.003	0	0
119	ANGLE2	PX	-.003	-.003	0	0
120	ANGLE1	PX	-.003	-.003	0	0
121	M130	PY	.0005	.0005	0	0
122	M130	PX	-.000866	-.000866	0	0

Member Distributed Loads (BLC 14 : Wind Load (150))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	.014	.014	0	0
2	FACE1	PY	.014	.014	0	0
3	FACE2	PY	.003	.003	0	0
4	SUPPRAIL3	PY	.01	.01	0	0
5	SUPPRAIL1	PY	.01	.01	0	0
6	SUPPRAIL2	PY	.003	.003	0	0
7	KICKER3b	PY	.02	.02	0	0
8	KICKER3A	PY	.02	.02	0	0
9	KICKER1b	PY	.02	.02	0	0
10	KICKER1a	PY	.02	.02	0	0
11	KICKER3b	PY	.005	.005	0	0
12	KICKER3A	PY	.005	.005	0	0
13	SUP3B	PY	.003	.003	0	0
14	SUP3A	PY	.003	.003	0	0
15	SUP2B	PY	.003	.003	0	0
16	SUP2A	PY	.003	.003	0	0
17	SUP1B	PY	.003	.003	0	0
18	SUP1A	PY	.003	.003	0	0
19	SO3b	PY	.003	.003	0	0
20	SO3a	PY	.003	.003	0	0
21	SO2b	PY	.003	.003	0	0
22	SO2a	PY	.003	.003	0	0
23	SO1b	PY	.003	.003	0	0
24	SO1a	PY	.003	.003	0	0
25	PLATE12	PY	.01	.01	0	0
26	PLATE11	PY	.01	.01	0	0
27	PLATE10	PY	.01	.01	0	0
28	PLATE9	PY	.01	.01	0	0
29	PLATE8	PY	.01	.01	0	0
30	PLATE7	PY	.01	.01	0	0
31	PLATE6	PY	.01	.01	0	0
32	PLATE5	PY	.01	.01	0	0
33	PLATE4	PY	.01	.01	0	0

Member Distributed Loads (BLC 14 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
34	PLATE3	PY	.01	.01	0	0
35	PLATE2	PY	.01	.01	0	0
36	PLATE1	PY	.01	.01	0	0
37	MP GAMMA4	PY	.01	.01	0	0
38	MP GAMMA3	PY	.01	.01	0	0
39	MP GAMMA2	PY	.01	.01	0	0
40	MP GAMMA1	PY	.01	.01	0	0
41	MP BETA4	PY	.01	.01	0	0
42	MP BETA3	PY	.01	.01	0	0
43	MP BETA2	PY	.01	.01	0	0
44	MP BETA1	PY	.01	.01	0	0
45	MP ALPHA4	PY	.01	.01	0	0
46	MP ALPHA3	PY	.01	.01	0	0
47	MP ALPHA2	PY	.01	.01	0	0
48	MP ALPHA1	PY	.01	.01	0	0
49	CR3B	PY	.003	.003	0	0
50	CR3A	PY	.003	.003	0	0
51	CR2B	PY	.003	.003	0	0
52	CR2A	PY	.003	.003	0	0
53	CR1B	PY	.003	.003	0	0
54	CR1A	PY	.003	.003	0	0
55	CORNER3	PY	.01	.01	0	0
56	CORNER2	PY	.01	.01	0	0
57	CORNER1	PY	.01	.01	0	0
58	ANGLE3	PY	.008	.008	0	0
59	ANGLE2	PY	.008	.008	0	0
60	ANGLE1	PY	.008	.008	0	0
61	FACE3	PX	-.008	-.008	0	0
62	FACE1	PX	-.008	-.008	0	0
63	FACE2	PX	-.002	-.002	0	0
64	SUPPRAIL3	PX	-.005	-.005	0	0
65	SUPPRAIL1	PX	-.005	-.005	0	0
66	SUPPRAIL2	PX	-.002	-.002	0	0
67	KICKER3b	PX	-.011	-.011	0	0
68	KICKER3A	PX	-.011	-.011	0	0
69	KICKER1b	PX	-.011	-.011	0	0
70	KICKER1a	PX	-.011	-.011	0	0
71	KICKER3b	PX	-.003	-.003	0	0
72	KICKER3A	PX	-.003	-.003	0	0
73	SUP3B	PX	-.002	-.002	0	0
74	SUP3A	PX	-.002	-.002	0	0
75	SUP2B	PX	-.002	-.002	0	0
76	SUP2A	PX	-.002	-.002	0	0
77	SUP1B	PX	-.002	-.002	0	0
78	SUP1A	PX	-.002	-.002	0	0
79	SO3b	PX	-.002	-.002	0	0
80	SO3a	PX	-.002	-.002	0	0
81	SO2b	PX	-.002	-.002	0	0
82	SO2a	PX	-.002	-.002	0	0
83	SO1b	PX	-.002	-.002	0	0
84	SO1a	PX	-.002	-.002	0	0
85	PLATE12	PX	-.005	-.005	0	0
86	PLATE11	PX	-.005	-.005	0	0
87	PLATE10	PX	-.005	-.005	0	0
88	PLATE9	PX	-.005	-.005	0	0
89	PLATE8	PX	-.005	-.005	0	0
90	PLATE7	PX	-.005	-.005	0	0

Member Distributed Loads (BLC 14 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
91	PLATE6	PX	-.005	-.005	0	0
92	PLATE5	PX	-.005	-.005	0	0
93	PLATE4	PX	-.005	-.005	0	0
94	PLATE3	PX	-.005	-.005	0	0
95	PLATE2	PX	-.005	-.005	0	0
96	PLATE1	PX	-.005	-.005	0	0
97	MP GAMMA4	PX	-.005	-.005	0	0
98	MP GAMMA3	PX	-.005	-.005	0	0
99	MP GAMMA2	PX	-.005	-.005	0	0
100	MP GAMMA1	PX	-.005	-.005	0	0
101	MP BETA4	PX	-.005	-.005	0	0
102	MP BETA3	PX	-.005	-.005	0	0
103	MP BETA2	PX	-.005	-.005	0	0
104	MP BETA1	PX	-.005	-.005	0	0
105	MP ALPHA4	PX	-.005	-.005	0	0
106	MP ALPHA3	PX	-.005	-.005	0	0
107	MP ALPHA2	PX	-.005	-.005	0	0
108	MP ALPHA1	PX	-.005	-.005	0	0
109	CR3B	PX	-.002	-.002	0	0
110	CR3A	PX	-.002	-.002	0	0
111	CR2B	PX	-.002	-.002	0	0
112	CR2A	PX	-.002	-.002	0	0
113	CR1B	PX	-.002	-.002	0	0
114	CR1A	PX	-.002	-.002	0	0
115	CORNER3	PX	-.005	-.005	0	0
116	CORNER2	PX	-.005	-.005	0	0
117	CORNER1	PX	-.005	-.005	0	0
118	ANGLE3	PX	-.004	-.004	0	0
119	ANGLE2	PX	-.004	-.004	0	0
120	ANGLE1	PX	-.004	-.004	0	0
121	M130	PY	.003	.003	0	0
122	M130	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 15 : Ice Wind Load (150))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	.004	.004	0	0
2	FACE1	PY	.004	.004	0	0
3	FACE2	PY	.000866	.000866	0	0
4	SUPPRAIL3	PY	.003	.003	0	0
5	SUPPRAIL1	PY	.003	.003	0	0
6	SUPPRAIL2	PY	.000866	.000866	0	0
7	KICKER3b	PY	.004	.004	0	0
8	KICKER3A	PY	.004	.004	0	0
9	KICKER1b	PY	.004	.004	0	0
10	KICKER1a	PY	.004	.004	0	0
11	KICKER2b	PY	.002	.002	0	0
12	KICKER2a	PY	.002	.002	0	0
13	SUP3B	PY	.002	.002	0	0
14	SUP3A	PY	.002	.002	0	0
15	SUP2B	PY	.002	.002	0	0
16	SUP2A	PY	.002	.002	0	0
17	SUP1B	PY	.002	.002	0	0
18	SUP1A	PY	.002	.002	0	0
19	SO3b	PY	.000866	.000866	0	0
20	SO3a	PY	.000866	.000866	0	0
21	SO2b	PY	.000866	.000866	0	0

Member Distributed Loads (BLC 15 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
22	SO2a	PY	.000866	.000866	0	0
23	SO1b	PY	.000866	.000866	0	0
24	SO1a	PY	.000866	.000866	0	0
25	PLATE12	PY	.003	.003	0	0
26	PLATE11	PY	.003	.003	0	0
27	PLATE10	PY	.003	.003	0	0
28	PLATE9	PY	.003	.003	0	0
29	PLATE8	PY	.003	.003	0	0
30	PLATE7	PY	.003	.003	0	0
31	PLATE6	PY	.003	.003	0	0
32	PLATE5	PY	.003	.003	0	0
33	PLATE4	PY	.003	.003	0	0
34	PLATE3	PY	.003	.003	0	0
35	PLATE2	PY	.003	.003	0	0
36	PLATE1	PY	.003	.003	0	0
37	MP GAMMA4	PY	.003	.003	0	0
38	MP GAMMA3	PY	.003	.003	0	0
39	MP GAMMA2	PY	.003	.003	0	0
40	MP GAMMA1	PY	.003	.003	0	0
41	MP BETA4	PY	.003	.003	0	0
42	MP BETA3	PY	.003	.003	0	0
43	MP BETA2	PY	.003	.003	0	0
44	MP BETA1	PY	.003	.003	0	0
45	MP ALPHA4	PY	.003	.003	0	0
46	MP ALPHA3	PY	.003	.003	0	0
47	MP ALPHA2	PY	.003	.003	0	0
48	MP ALPHA1	PY	.003	.003	0	0
49	CR3B	PY	.002	.002	0	0
50	CR3A	PY	.002	.002	0	0
51	CR2B	PY	.002	.002	0	0
52	CR2A	PY	.002	.002	0	0
53	CR1B	PY	.002	.002	0	0
54	CR1A	PY	.002	.002	0	0
55	CORNER3	PY	.002	.002	0	0
56	CORNER2	PY	.002	.002	0	0
57	CORNER1	PY	.002	.002	0	0
58	ANGLE3	PY	.003	.003	0	0
59	ANGLE2	PY	.003	.003	0	0
60	ANGLE1	PY	.003	.003	0	0
61	FACE3	PX	-.003	-.003	0	0
62	FACE1	PX	-.003	-.003	0	0
63	FACE2	PX	-.0005	-.0005	0	0
64	SUPPRAIL3	PX	-.002	-.002	0	0
65	SUPPRAIL1	PX	-.002	-.002	0	0
66	SUPPRAIL2	PX	-.0005	-.0005	0	0
67	KICKER3b	PX	-.003	-.003	0	0
68	KICKER3A	PX	-.003	-.003	0	0
69	KICKER1b	PX	-.003	-.003	0	0
70	KICKER1a	PX	-.003	-.003	0	0
71	KICKER2b	PX	-.001	-.001	0	0
72	KICKER2a	PX	-.001	-.001	0	0
73	SUP3B	PX	-.001	-.001	0	0
74	SUP3A	PX	-.001	-.001	0	0
75	SUP2B	PX	-.001	-.001	0	0
76	SUP2A	PX	-.001	-.001	0	0
77	SUP1B	PX	-.001	-.001	0	0
78	SUP1A	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 15 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
79	SO3b	PX	-.0005	-.0005	0	0
80	SO3a	PX	-.0005	-.0005	0	0
81	SO2b	PX	-.0005	-.0005	0	0
82	SO2a	PX	-.0005	-.0005	0	0
83	SO1b	PX	-.0005	-.0005	0	0
84	SO1a	PX	-.0005	-.0005	0	0
85	PLATE12	PX	-.002	-.002	0	0
86	PLATE11	PX	-.002	-.002	0	0
87	PLATE10	PX	-.002	-.002	0	0
88	PLATE9	PX	-.002	-.002	0	0
89	PLATE8	PX	-.002	-.002	0	0
90	PLATE7	PX	-.002	-.002	0	0
91	PLATE6	PX	-.002	-.002	0	0
92	PLATE5	PX	-.002	-.002	0	0
93	PLATE4	PX	-.002	-.002	0	0
94	PLATE3	PX	-.002	-.002	0	0
95	PLATE2	PX	-.002	-.002	0	0
96	PLATE1	PX	-.002	-.002	0	0
97	MP GAMMA4	PX	-.002	-.002	0	0
98	MP GAMMA3	PX	-.002	-.002	0	0
99	MP GAMMA2	PX	-.002	-.002	0	0
100	MP GAMMA1	PX	-.002	-.002	0	0
101	MP BETA4	PX	-.002	-.002	0	0
102	MP BETA3	PX	-.002	-.002	0	0
103	MP BETA2	PX	-.002	-.002	0	0
104	MP BETA1	PX	-.002	-.002	0	0
105	MP ALPHA4	PX	-.002	-.002	0	0
106	MP ALPHA3	PX	-.002	-.002	0	0
107	MP ALPHA2	PX	-.002	-.002	0	0
108	MP ALPHA1	PX	-.002	-.002	0	0
109	CR3B	PX	-.001	-.001	0	0
110	CR3A	PX	-.001	-.001	0	0
111	CR2B	PX	-.001	-.001	0	0
112	CR2A	PX	-.001	-.001	0	0
113	CR1B	PX	-.001	-.001	0	0
114	CR1A	PX	-.001	-.001	0	0
115	CORNER3	PX	-.001	-.001	0	0
116	CORNER2	PX	-.001	-.001	0	0
117	CORNER1	PX	-.001	-.001	0	0
118	ANGLE3	PX	-.002	-.002	0	0
119	ANGLE2	PX	-.002	-.002	0	0
120	ANGLE1	PX	-.002	-.002	0	0
121	M130	PY	.000866	.000866	0	0
122	M130	PX	-.0005	-.0005	0	0

Member Distributed Loads (BLC 16 : Wind Load (180))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	.016	.016	0	0
2	FACE1	PY	.016	.016	0	0
3	FACE2	PY	.004	.004	0	0
4	SUPPRAIL3	PY	.011	.011	0	0
5	SUPPRAIL1	PY	.011	.011	0	0
6	SUPPRAIL2	PY	.003	.003	0	0
7	KICKER3b	PY	.023	.023	0	0
8	KICKER3A	PY	.023	.023	0	0
9	KICKER1b	PY	.023	.023	0	0

Member Distributed Loads (BLC 16 : Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
10	KICKER1a	PY	.023	.023	0	0
11	KICKER3b	PY	.006	.006	0	0
12	KICKER3A	PY	.006	.006	0	0
13	SUP3B	PY	.004	.004	0	0
14	SUP3A	PY	.004	.004	0	0
15	SUP2B	PY	.004	.004	0	0
16	SUP2A	PY	.004	.004	0	0
17	SUP1B	PY	.004	.004	0	0
18	SUP1A	PY	.004	.004	0	0
19	SO3b	PY	.004	.004	0	0
20	SO3a	PY	.004	.004	0	0
21	SO2b	PY	.004	.004	0	0
22	SO2a	PY	.004	.004	0	0
23	SO1b	PY	.004	.004	0	0
24	SO1a	PY	.004	.004	0	0
25	PLATE12	PY	.011	.011	0	0
26	PLATE11	PY	.011	.011	0	0
27	PLATE10	PY	.011	.011	0	0
28	PLATE9	PY	.011	.011	0	0
29	PLATE8	PY	.011	.011	0	0
30	PLATE7	PY	.011	.011	0	0
31	PLATE6	PY	.011	.011	0	0
32	PLATE5	PY	.011	.011	0	0
33	PLATE4	PY	.011	.011	0	0
34	PLATE3	PY	.011	.011	0	0
35	PLATE2	PY	.011	.011	0	0
36	PLATE1	PY	.011	.011	0	0
37	MP GAMMA4	PY	.011	.011	0	0
38	MP GAMMA3	PY	.011	.011	0	0
39	MP GAMMA2	PY	.011	.011	0	0
40	MP GAMMA1	PY	.011	.011	0	0
41	MP BETA4	PY	.011	.011	0	0
42	MP BETA3	PY	.011	.011	0	0
43	MP BETA2	PY	.011	.011	0	0
44	MP BETA1	PY	.011	.011	0	0
45	MP ALPHA4	PY	.011	.011	0	0
46	MP ALPHA3	PY	.011	.011	0	0
47	MP ALPHA2	PY	.011	.011	0	0
48	MP ALPHA1	PY	.011	.011	0	0
49	CR3B	PY	.004	.004	0	0
50	CR3A	PY	.004	.004	0	0
51	CR2B	PY	.004	.004	0	0
52	CR2A	PY	.004	.004	0	0
53	CR1B	PY	.004	.004	0	0
54	CR1A	PY	.004	.004	0	0
55	CORNER3	PY	.011	.011	0	0
56	CORNER2	PY	.011	.011	0	0
57	CORNER1	PY	.011	.011	0	0
58	ANGLE3	PY	.009	.009	0	0
59	ANGLE2	PY	.009	.009	0	0
60	ANGLE1	PY	.009	.009	0	0
61	M130	PY	.004	.004	0	0

Member Distributed Loads (BLC 17 : Ice Wind Load (180))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	.005	.005	0	0

Member Distributed Loads (BLC 17 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
2	FACE1	PY	.005	.005	0	0
3	FACE2	PY	.001	.001	0	0
4	SUPPRAIL3	PY	.004	.004	0	0
5	SUPPRAIL1	PY	.004	.004	0	0
6	SUPPRAIL2	PY	.001	.001	0	0
7	KICKER3b	PY	.005	.005	0	0
8	KICKER3A	PY	.005	.005	0	0
9	KICKER1b	PY	.005	.005	0	0
10	KICKER1a	PY	.005	.005	0	0
11	KICKER2b	PY	.002	.002	0	0
12	KICKER2a	PY	.002	.002	0	0
13	SUP3B	PY	.002	.002	0	0
14	SUP3A	PY	.002	.002	0	0
15	SUP2B	PY	.002	.002	0	0
16	SUP2A	PY	.002	.002	0	0
17	SUP1B	PY	.002	.002	0	0
18	SUP1A	PY	.002	.002	0	0
19	SO3b	PY	.001	.001	0	0
20	SO3a	PY	.001	.001	0	0
21	SO2b	PY	.001	.001	0	0
22	SO2a	PY	.001	.001	0	0
23	SO1b	PY	.001	.001	0	0
24	SO1a	PY	.001	.001	0	0
25	PLATE12	PY	.004	.004	0	0
26	PLATE11	PY	.004	.004	0	0
27	PLATE10	PY	.004	.004	0	0
28	PLATE9	PY	.004	.004	0	0
29	PLATE8	PY	.004	.004	0	0
30	PLATE7	PY	.004	.004	0	0
31	PLATE6	PY	.004	.004	0	0
32	PLATE5	PY	.004	.004	0	0
33	PLATE4	PY	.004	.004	0	0
34	PLATE3	PY	.004	.004	0	0
35	PLATE2	PY	.004	.004	0	0
36	PLATE1	PY	.004	.004	0	0
37	MP GAMMA4	PY	.004	.004	0	0
38	MP GAMMA3	PY	.004	.004	0	0
39	MP GAMMA2	PY	.004	.004	0	0
40	MP GAMMA1	PY	.004	.004	0	0
41	MP BETA4	PY	.004	.004	0	0
42	MP BETA3	PY	.004	.004	0	0
43	MP BETA2	PY	.004	.004	0	0
44	MP BETA1	PY	.004	.004	0	0
45	MP ALPHA4	PY	.004	.004	0	0
46	MP ALPHA3	PY	.004	.004	0	0
47	MP ALPHA2	PY	.004	.004	0	0
48	MP ALPHA1	PY	.004	.004	0	0
49	CR3B	PY	.002	.002	0	0
50	CR3A	PY	.002	.002	0	0
51	CR2B	PY	.002	.002	0	0
52	CR2A	PY	.002	.002	0	0
53	CR1B	PY	.002	.002	0	0
54	CR1A	PY	.002	.002	0	0
55	CORNER3	PY	.002	.002	0	0
56	CORNER2	PY	.002	.002	0	0
57	CORNER1	PY	.002	.002	0	0
58	ANGLE3	PY	.003	.003	0	0

Member Distributed Loads (BLC 17 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
59	ANGLE2	PY	.003	.003	0	0
60	ANGLE1	PY	.003	.003	0	0
61	M130	PY	.001	.001	0	0

Member Distributed Loads (BLC 18 : Wind Load (210))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	.014	.014	0	0
2	FACE1	PY	.014	.014	0	0
3	FACE2	PY	.003	.003	0	0
4	SUPPRAIL3	PY	.01	.01	0	0
5	SUPPRAIL1	PY	.01	.01	0	0
6	SUPPRAIL2	PY	.003	.003	0	0
7	KICKER3b	PY	.02	.02	0	0
8	KICKER3A	PY	.02	.02	0	0
9	KICKER1b	PY	.02	.02	0	0
10	KICKER1a	PY	.02	.02	0	0
11	KICKER3b	PY	.005	.005	0	0
12	KICKER3A	PY	.005	.005	0	0
13	SUP3B	PY	.003	.003	0	0
14	SUP3A	PY	.003	.003	0	0
15	SUP2B	PY	.003	.003	0	0
16	SUP2A	PY	.003	.003	0	0
17	SUP1B	PY	.003	.003	0	0
18	SUP1A	PY	.003	.003	0	0
19	SO3b	PY	.003	.003	0	0
20	SO3a	PY	.003	.003	0	0
21	SO2b	PY	.003	.003	0	0
22	SO2a	PY	.003	.003	0	0
23	SO1b	PY	.003	.003	0	0
24	SO1a	PY	.003	.003	0	0
25	PLATE12	PY	.01	.01	0	0
26	PLATE11	PY	.01	.01	0	0
27	PLATE10	PY	.01	.01	0	0
28	PLATE9	PY	.01	.01	0	0
29	PLATE8	PY	.01	.01	0	0
30	PLATE7	PY	.01	.01	0	0
31	PLATE6	PY	.01	.01	0	0
32	PLATE5	PY	.01	.01	0	0
33	PLATE4	PY	.01	.01	0	0
34	PLATE3	PY	.01	.01	0	0
35	PLATE2	PY	.01	.01	0	0
36	PLATE1	PY	.01	.01	0	0
37	MP GAMMA4	PY	.01	.01	0	0
38	MP GAMMA3	PY	.01	.01	0	0
39	MP GAMMA2	PY	.01	.01	0	0
40	MP GAMMA1	PY	.01	.01	0	0
41	MP BETA4	PY	.01	.01	0	0
42	MP BETA3	PY	.01	.01	0	0
43	MP BETA2	PY	.01	.01	0	0
44	MP BETA1	PY	.01	.01	0	0
45	MP ALPHA4	PY	.01	.01	0	0
46	MP ALPHA3	PY	.01	.01	0	0
47	MP ALPHA2	PY	.01	.01	0	0
48	MP ALPHA1	PY	.01	.01	0	0
49	CR3B	PY	.003	.003	0	0
50	CR3A	PY	.003	.003	0	0

Member Distributed Loads (BLC 18 : Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
51	CR2B	PY	.003	.003	0	0
52	CR2A	PY	.003	.003	0	0
53	CR1B	PY	.003	.003	0	0
54	CR1A	PY	.003	.003	0	0
55	CORNER3	PY	.01	.01	0	0
56	CORNER2	PY	.01	.01	0	0
57	CORNER1	PY	.01	.01	0	0
58	ANGLE3	PY	.008	.008	0	0
59	ANGLE2	PY	.008	.008	0	0
60	ANGLE1	PY	.008	.008	0	0
61	FACE3	PX	.008	.008	0	0
62	FACE1	PX	.008	.008	0	0
63	FACE2	PX	.002	.002	0	0
64	SUPPRAIL3	PX	.005	.005	0	0
65	SUPPRAIL1	PX	.005	.005	0	0
66	SUPPRAIL2	PX	.002	.002	0	0
67	KICKER3b	PX	.011	.011	0	0
68	KICKER3A	PX	.011	.011	0	0
69	KICKER1b	PX	.011	.011	0	0
70	KICKER1a	PX	.011	.011	0	0
71	KICKER3b	PX	.003	.003	0	0
72	KICKER3A	PX	.003	.003	0	0
73	SUP3B	PX	.002	.002	0	0
74	SUP3A	PX	.002	.002	0	0
75	SUP2B	PX	.002	.002	0	0
76	SUP2A	PX	.002	.002	0	0
77	SUP1B	PX	.002	.002	0	0
78	SUP1A	PX	.002	.002	0	0
79	SO3b	PX	.002	.002	0	0
80	SO3a	PX	.002	.002	0	0
81	SO2b	PX	.002	.002	0	0
82	SO2a	PX	.002	.002	0	0
83	SO1b	PX	.002	.002	0	0
84	SO1a	PX	.002	.002	0	0
85	PLATE12	PX	.005	.005	0	0
86	PLATE11	PX	.005	.005	0	0
87	PLATE10	PX	.005	.005	0	0
88	PLATE9	PX	.005	.005	0	0
89	PLATE8	PX	.005	.005	0	0
90	PLATE7	PX	.005	.005	0	0
91	PLATE6	PX	.005	.005	0	0
92	PLATE5	PX	.005	.005	0	0
93	PLATE4	PX	.005	.005	0	0
94	PLATE3	PX	.005	.005	0	0
95	PLATE2	PX	.005	.005	0	0
96	PLATE1	PX	.005	.005	0	0
97	MP GAMMA4	PX	.005	.005	0	0
98	MP GAMMA3	PX	.005	.005	0	0
99	MP GAMMA2	PX	.005	.005	0	0
100	MP GAMMA1	PX	.005	.005	0	0
101	MP BETA4	PX	.005	.005	0	0
102	MP BETA3	PX	.005	.005	0	0
103	MP BETA2	PX	.005	.005	0	0
104	MP BETA1	PX	.005	.005	0	0
105	MP ALPHA4	PX	.005	.005	0	0
106	MP ALPHA3	PX	.005	.005	0	0
107	MP ALPHA2	PX	.005	.005	0	0

Member Distributed Loads (BLC 18 : Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
108	MP ALPHA1	PX	.005	.005	0	0
109	CR3B	PX	.002	.002	0	0
110	CR3A	PX	.002	.002	0	0
111	CR2B	PX	.002	.002	0	0
112	CR2A	PX	.002	.002	0	0
113	CR1B	PX	.002	.002	0	0
114	CR1A	PX	.002	.002	0	0
115	CORNER3	PX	.005	.005	0	0
116	CORNER2	PX	.005	.005	0	0
117	CORNER1	PX	.005	.005	0	0
118	ANGLE3	PX	.004	.004	0	0
119	ANGLE2	PX	.004	.004	0	0
120	ANGLE1	PX	.004	.004	0	0
121	M130	PY	.003	.003	0	0
122	M130	PX	.002	.002	0	0

Member Distributed Loads (BLC 19 : Ice Wind Load (210))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	.004	.004	0	0
2	FACE1	PY	.004	.004	0	0
3	FACE2	PY	.000866	.000866	0	0
4	SUPPRAIL3	PY	.003	.003	0	0
5	SUPPRAIL1	PY	.003	.003	0	0
6	SUPPRAIL2	PY	.000866	.000866	0	0
7	KICKER3b	PY	.004	.004	0	0
8	KICKER3A	PY	.004	.004	0	0
9	KICKER1b	PY	.004	.004	0	0
10	KICKER1a	PY	.004	.004	0	0
11	KICKER2b	PY	.002	.002	0	0
12	KICKER2a	PY	.002	.002	0	0
13	SUP3B	PY	.002	.002	0	0
14	SUP3A	PY	.002	.002	0	0
15	SUP2B	PY	.002	.002	0	0
16	SUP2A	PY	.002	.002	0	0
17	SUP1B	PY	.002	.002	0	0
18	SUP1A	PY	.002	.002	0	0
19	SO3b	PY	.000866	.000866	0	0
20	SO3a	PY	.000866	.000866	0	0
21	SO2b	PY	.000866	.000866	0	0
22	SO2a	PY	.000866	.000866	0	0
23	SO1b	PY	.000866	.000866	0	0
24	SO1a	PY	.000866	.000866	0	0
25	PLATE12	PY	.003	.003	0	0
26	PLATE11	PY	.003	.003	0	0
27	PLATE10	PY	.003	.003	0	0
28	PLATE9	PY	.003	.003	0	0
29	PLATE8	PY	.003	.003	0	0
30	PLATE7	PY	.003	.003	0	0
31	PLATE6	PY	.003	.003	0	0
32	PLATE5	PY	.003	.003	0	0
33	PLATE4	PY	.003	.003	0	0
34	PLATE3	PY	.003	.003	0	0
35	PLATE2	PY	.003	.003	0	0
36	PLATE1	PY	.003	.003	0	0
37	MP GAMMA4	PY	.003	.003	0	0
38	MP GAMMA3	PY	.003	.003	0	0

Member Distributed Loads (BLC 19 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
39	MP GAMMA2	PY	.003	.003	0	0
40	MP GAMMA1	PY	.003	.003	0	0
41	MP BETA4	PY	.003	.003	0	0
42	MP BETA3	PY	.003	.003	0	0
43	MP BETA2	PY	.003	.003	0	0
44	MP BETA1	PY	.003	.003	0	0
45	MP ALPHA4	PY	.003	.003	0	0
46	MP ALPHA3	PY	.003	.003	0	0
47	MP ALPHA2	PY	.003	.003	0	0
48	MP ALPHA1	PY	.003	.003	0	0
49	CR3B	PY	.002	.002	0	0
50	CR3A	PY	.002	.002	0	0
51	CR2B	PY	.002	.002	0	0
52	CR2A	PY	.002	.002	0	0
53	CR1B	PY	.002	.002	0	0
54	CR1A	PY	.002	.002	0	0
55	CORNER3	PY	.002	.002	0	0
56	CORNER2	PY	.002	.002	0	0
57	CORNER1	PY	.002	.002	0	0
58	ANGLE3	PY	.003	.003	0	0
59	ANGLE2	PY	.003	.003	0	0
60	ANGLE1	PY	.003	.003	0	0
61	FACE3	PX	.003	.003	0	0
62	FACE1	PX	.003	.003	0	0
63	FACE2	PX	.0005	.0005	0	0
64	SUPPRAIL3	PX	.002	.002	0	0
65	SUPPRAIL1	PX	.002	.002	0	0
66	SUPPRAIL2	PX	.0005	.0005	0	0
67	KICKER3b	PX	.003	.003	0	0
68	KICKER3A	PX	.003	.003	0	0
69	KICKER1b	PX	.003	.003	0	0
70	KICKER1a	PX	.003	.003	0	0
71	KICKER2b	PX	.001	.001	0	0
72	KICKER2a	PX	.001	.001	0	0
73	SUP3B	PX	.001	.001	0	0
74	SUP3A	PX	.001	.001	0	0
75	SUP2B	PX	.001	.001	0	0
76	SUP2A	PX	.001	.001	0	0
77	SUP1B	PX	.001	.001	0	0
78	SUP1A	PX	.001	.001	0	0
79	SO3b	PX	.0005	.0005	0	0
80	SO3a	PX	.0005	.0005	0	0
81	SO2b	PX	.0005	.0005	0	0
82	SO2a	PX	.0005	.0005	0	0
83	SO1b	PX	.0005	.0005	0	0
84	SO1a	PX	.0005	.0005	0	0
85	PLATE12	PX	.002	.002	0	0
86	PLATE11	PX	.002	.002	0	0
87	PLATE10	PX	.002	.002	0	0
88	PLATE9	PX	.002	.002	0	0
89	PLATE8	PX	.002	.002	0	0
90	PLATE7	PX	.002	.002	0	0
91	PLATE6	PX	.002	.002	0	0
92	PLATE5	PX	.002	.002	0	0
93	PLATE4	PX	.002	.002	0	0
94	PLATE3	PX	.002	.002	0	0
95	PLATE2	PX	.002	.002	0	0

Member Distributed Loads (BLC 19 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
96	PLATE1	PX	.002	.002	0	0
97	MP GAMMA4	PX	.002	.002	0	0
98	MP GAMMA3	PX	.002	.002	0	0
99	MP GAMMA2	PX	.002	.002	0	0
100	MP GAMMA1	PX	.002	.002	0	0
101	MP BETA4	PX	.002	.002	0	0
102	MP BETA3	PX	.002	.002	0	0
103	MP BETA2	PX	.002	.002	0	0
104	MP BETA1	PX	.002	.002	0	0
105	MP ALPHA4	PX	.002	.002	0	0
106	MP ALPHA3	PX	.002	.002	0	0
107	MP ALPHA2	PX	.002	.002	0	0
108	MP ALPHA1	PX	.002	.002	0	0
109	CR3B	PX	.001	.001	0	0
110	CR3A	PX	.001	.001	0	0
111	CR2B	PX	.001	.001	0	0
112	CR2A	PX	.001	.001	0	0
113	CR1B	PX	.001	.001	0	0
114	CR1A	PX	.001	.001	0	0
115	CORNER3	PX	.001	.001	0	0
116	CORNER2	PX	.001	.001	0	0
117	CORNER1	PX	.001	.001	0	0
118	ANGLE3	PX	.002	.002	0	0
119	ANGLE2	PX	.002	.002	0	0
120	ANGLE1	PX	.002	.002	0	0
121	M130	PY	.000866	.000866	0	0
122	M130	PX	.0005	.0005	0	0

Member Distributed Loads (BLC 20 : Wind Load (240))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE2	PY	.008	.008	0	0
2	FACE1	PY	.008	.008	0	0
3	FACE3	PY	.002	.002	0	0
4	SUPPRAIL2	PY	.005	.005	0	0
5	SUPPRAIL1	PY	.005	.005	0	0
6	SUPPRAIL3	PY	.002	.002	0	0
7	KICKER2b	PY	.011	.011	0	0
8	KICKER2a	PY	.011	.011	0	0
9	KICKER1b	PY	.011	.011	0	0
10	KICKER1a	PY	.011	.011	0	0
11	KICKER3b	PY	.003	.003	0	0
12	KICKER3A	PY	.003	.003	0	0
13	SUP3B	PY	.002	.002	0	0
14	SUP3A	PY	.002	.002	0	0
15	SUP2B	PY	.002	.002	0	0
16	SUP2A	PY	.002	.002	0	0
17	SUP1B	PY	.002	.002	0	0
18	SUP1A	PY	.002	.002	0	0
19	SO3b	PY	.002	.002	0	0
20	SO3a	PY	.002	.002	0	0
21	SO2b	PY	.002	.002	0	0
22	SO2a	PY	.002	.002	0	0
23	SO1b	PY	.002	.002	0	0
24	SO1a	PY	.002	.002	0	0
25	PLATE12	PY	.005	.005	0	0
26	PLATE11	PY	.005	.005	0	0

Member Distributed Loads (BLC 20 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
27	PLATE10	PY	.005	.005	0	0
28	PLATE9	PY	.005	.005	0	0
29	PLATE8	PY	.005	.005	0	0
30	PLATE7	PY	.005	.005	0	0
31	PLATE6	PY	.005	.005	0	0
32	PLATE5	PY	.005	.005	0	0
33	PLATE4	PY	.005	.005	0	0
34	PLATE3	PY	.005	.005	0	0
35	PLATE2	PY	.005	.005	0	0
36	PLATE1	PY	.005	.005	0	0
37	MP GAMMA4	PY	.005	.005	0	0
38	MP GAMMA3	PY	.005	.005	0	0
39	MP GAMMA2	PY	.005	.005	0	0
40	MP GAMMA1	PY	.005	.005	0	0
41	MP BETA4	PY	.005	.005	0	0
42	MP BETA3	PY	.005	.005	0	0
43	MP BETA2	PY	.005	.005	0	0
44	MP BETA1	PY	.005	.005	0	0
45	MP ALPHA4	PY	.005	.005	0	0
46	MP ALPHA3	PY	.005	.005	0	0
47	MP ALPHA2	PY	.005	.005	0	0
48	MP ALPHA1	PY	.005	.005	0	0
49	CR3B	PY	.002	.002	0	0
50	CR3A	PY	.002	.002	0	0
51	CR2B	PY	.002	.002	0	0
52	CR2A	PY	.002	.002	0	0
53	CR1B	PY	.002	.002	0	0
54	CR1A	PY	.002	.002	0	0
55	CORNER3	PY	.005	.005	0	0
56	CORNER2	PY	.005	.005	0	0
57	CORNER1	PY	.005	.005	0	0
58	ANGLE3	PY	.004	.004	0	0
59	ANGLE2	PY	.004	.004	0	0
60	ANGLE1	PY	.004	.004	0	0
61	FACE2	PX	.014	.014	0	0
62	FACE1	PX	.014	.014	0	0
63	FACE3	PX	.003	.003	0	0
64	SUPPRAIL2	PX	.01	.01	0	0
65	SUPPRAIL1	PX	.01	.01	0	0
66	SUPPRAIL3	PX	.003	.003	0	0
67	KICKER2b	PX	.02	.02	0	0
68	KICKER2a	PX	.02	.02	0	0
69	KICKER1b	PX	.02	.02	0	0
70	KICKER1a	PX	.02	.02	0	0
71	KICKER3b	PX	.005	.005	0	0
72	KICKER3A	PX	.005	.005	0	0
73	SUP3B	PX	.003	.003	0	0
74	SUP3A	PX	.003	.003	0	0
75	SUP2B	PX	.003	.003	0	0
76	SUP2A	PX	.003	.003	0	0
77	SUP1B	PX	.003	.003	0	0
78	SUP1A	PX	.003	.003	0	0
79	SO3b	PX	.003	.003	0	0
80	SO3a	PX	.003	.003	0	0
81	SO2b	PX	.003	.003	0	0
82	SO2a	PX	.003	.003	0	0
83	SO1b	PX	.003	.003	0	0

Member Distributed Loads (BLC 20 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
84	SO1a	PX	.003	.003	0	0
85	PLATE12	PX	.01	.01	0	0
86	PLATE11	PX	.01	.01	0	0
87	PLATE10	PX	.01	.01	0	0
88	PLATE9	PX	.01	.01	0	0
89	PLATE8	PX	.01	.01	0	0
90	PLATE7	PX	.01	.01	0	0
91	PLATE6	PX	.01	.01	0	0
92	PLATE5	PX	.01	.01	0	0
93	PLATE4	PX	.01	.01	0	0
94	PLATE3	PX	.01	.01	0	0
95	PLATE2	PX	.01	.01	0	0
96	PLATE1	PX	.01	.01	0	0
97	MP GAMMA4	PX	.01	.01	0	0
98	MP GAMMA3	PX	.01	.01	0	0
99	MP GAMMA2	PX	.01	.01	0	0
100	MP GAMMA1	PX	.01	.01	0	0
101	MP BETA4	PX	.01	.01	0	0
102	MP BETA3	PX	.01	.01	0	0
103	MP BETA2	PX	.01	.01	0	0
104	MP BETA1	PX	.01	.01	0	0
105	MP ALPHA4	PX	.01	.01	0	0
106	MP ALPHA3	PX	.01	.01	0	0
107	MP ALPHA2	PX	.01	.01	0	0
108	MP ALPHA1	PX	.01	.01	0	0
109	CR3B	PX	.003	.003	0	0
110	CR3A	PX	.003	.003	0	0
111	CR2B	PX	.003	.003	0	0
112	CR2A	PX	.003	.003	0	0
113	CR1B	PX	.003	.003	0	0
114	CR1A	PX	.003	.003	0	0
115	CORNER3	PX	.01	.01	0	0
116	CORNER2	PX	.01	.01	0	0
117	CORNER1	PX	.01	.01	0	0
118	ANGLE3	PX	.008	.008	0	0
119	ANGLE2	PX	.008	.008	0	0
120	ANGLE1	PX	.008	.008	0	0
121	M130	PY	.002	.002	0	0
122	M130	PX	.003	.003	0	0

Member Distributed Loads (BLC 21 : Ice Wind Load (240))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE2	PY	.003	.003	0	0
2	FACE1	PY	.003	.003	0	0
3	FACE3	PY	.0005	.0005	0	0
4	SUPPRAIL2	PY	.002	.002	0	0
5	SUPPRAIL1	PY	.002	.002	0	0
6	SUPPRAIL3	PY	.0005	.0005	0	0
7	KICKER2b	PY	.003	.003	0	0
8	KICKER2a	PY	.003	.003	0	0
9	KICKER1b	PY	.003	.003	0	0
10	KICKER1a	PY	.003	.003	0	0
11	KICKER3b	PY	.001	.001	0	0
12	KICKER3A	PY	.001	.001	0	0
13	SUP3B	PY	.001	.001	0	0
14	SUP3A	PY	.001	.001	0	0

Member Distributed Loads (BLC 21 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
15	SUP2B	PY	.001	.001	0	0
16	SUP2A	PY	.001	.001	0	0
17	SUP1B	PY	.001	.001	0	0
18	SUP1A	PY	.001	.001	0	0
19	SO3b	PY	.0005	.0005	0	0
20	SO3a	PY	.0005	.0005	0	0
21	SO2b	PY	.0005	.0005	0	0
22	SO2a	PY	.0005	.0005	0	0
23	SO1b	PY	.0005	.0005	0	0
24	SO1a	PY	.0005	.0005	0	0
25	PLATE12	PY	.002	.002	0	0
26	PLATE11	PY	.002	.002	0	0
27	PLATE10	PY	.002	.002	0	0
28	PLATE9	PY	.002	.002	0	0
29	PLATE8	PY	.002	.002	0	0
30	PLATE7	PY	.002	.002	0	0
31	PLATE6	PY	.002	.002	0	0
32	PLATE5	PY	.002	.002	0	0
33	PLATE4	PY	.002	.002	0	0
34	PLATE3	PY	.002	.002	0	0
35	PLATE2	PY	.002	.002	0	0
36	PLATE1	PY	.002	.002	0	0
37	MP GAMMA4	PY	.002	.002	0	0
38	MP GAMMA3	PY	.002	.002	0	0
39	MP GAMMA2	PY	.002	.002	0	0
40	MP GAMMA1	PY	.002	.002	0	0
41	MP BETA4	PY	.002	.002	0	0
42	MP BETA3	PY	.002	.002	0	0
43	MP BETA2	PY	.002	.002	0	0
44	MP BETA1	PY	.002	.002	0	0
45	MP ALPHA4	PY	.002	.002	0	0
46	MP ALPHA3	PY	.002	.002	0	0
47	MP ALPHA2	PY	.002	.002	0	0
48	MP ALPHA1	PY	.002	.002	0	0
49	CR3B	PY	.001	.001	0	0
50	CR3A	PY	.001	.001	0	0
51	CR2B	PY	.001	.001	0	0
52	CR2A	PY	.001	.001	0	0
53	CR1B	PY	.001	.001	0	0
54	CR1A	PY	.001	.001	0	0
55	CORNER3	PY	.001	.001	0	0
56	CORNER2	PY	.001	.001	0	0
57	CORNER1	PY	.001	.001	0	0
58	ANGLE3	PY	.002	.002	0	0
59	ANGLE2	PY	.002	.002	0	0
60	ANGLE1	PY	.002	.002	0	0
61	FACE2	PX	.004	.004	0	0
62	FACE1	PX	.004	.004	0	0
63	FACE3	PX	.000866	.000866	0	0
64	SUPPRAIL2	PX	.003	.003	0	0
65	SUPPRAIL1	PX	.003	.003	0	0
66	SUPPRAIL3	PX	.000866	.000866	0	0
67	KICKER2b	PX	.004	.004	0	0
68	KICKER2a	PX	.004	.004	0	0
69	KICKER1b	PX	.004	.004	0	0
70	KICKER1a	PX	.004	.004	0	0
71	KICKER3b	PX	.002	.002	0	0

Member Distributed Loads (BLC 21 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
72	KICKER3A	PX	.002	.002	0	0
73	SUP3B	PX	.002	.002	0	0
74	SUP3A	PX	.002	.002	0	0
75	SUP2B	PX	.002	.002	0	0
76	SUP2A	PX	.002	.002	0	0
77	SUP1B	PX	.002	.002	0	0
78	SUP1A	PX	.002	.002	0	0
79	SO3b	PX	.000866	.000866	0	0
80	SO3a	PX	.000866	.000866	0	0
81	SO2b	PX	.000866	.000866	0	0
82	SO2a	PX	.000866	.000866	0	0
83	SO1b	PX	.000866	.000866	0	0
84	SO1a	PX	.000866	.000866	0	0
85	PLATE12	PX	.003	.003	0	0
86	PLATE11	PX	.003	.003	0	0
87	PLATE10	PX	.003	.003	0	0
88	PLATE9	PX	.003	.003	0	0
89	PLATE8	PX	.003	.003	0	0
90	PLATE7	PX	.003	.003	0	0
91	PLATE6	PX	.003	.003	0	0
92	PLATE5	PX	.003	.003	0	0
93	PLATE4	PX	.003	.003	0	0
94	PLATE3	PX	.003	.003	0	0
95	PLATE2	PX	.003	.003	0	0
96	PLATE1	PX	.003	.003	0	0
97	MP GAMMA4	PX	.003	.003	0	0
98	MP GAMMA3	PX	.003	.003	0	0
99	MP GAMMA2	PX	.003	.003	0	0
100	MP GAMMA1	PX	.003	.003	0	0
101	MP BETA4	PX	.003	.003	0	0
102	MP BETA3	PX	.003	.003	0	0
103	MP BETA2	PX	.003	.003	0	0
104	MP BETA1	PX	.003	.003	0	0
105	MP ALPHA4	PX	.003	.003	0	0
106	MP ALPHA3	PX	.003	.003	0	0
107	MP ALPHA2	PX	.003	.003	0	0
108	MP ALPHA1	PX	.003	.003	0	0
109	CR3B	PX	.002	.002	0	0
110	CR3A	PX	.002	.002	0	0
111	CR2B	PX	.002	.002	0	0
112	CR2A	PX	.002	.002	0	0
113	CR1B	PX	.002	.002	0	0
114	CR1A	PX	.002	.002	0	0
115	CORNER3	PX	.002	.002	0	0
116	CORNER2	PX	.002	.002	0	0
117	CORNER1	PX	.002	.002	0	0
118	ANGLE3	PX	.003	.003	0	0
119	ANGLE2	PX	.003	.003	0	0
120	ANGLE1	PX	.003	.003	0	0
121	M130	PY	.0005	.0005	0	0
122	M130	PX	.000866	.000866	0	0

Member Distributed Loads (BLC 22 : Wind Load (270))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE2	PX	.016	.016	0	0
2	FACE1	PX	.016	.016	0	0

Member Distributed Loads (BLC 22 : Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
3	FACE3	PX	.004	.004	0	0
4	SUPPRAIL2	PX	.011	.011	0	0
5	SUPPRAIL1	PX	.011	.011	0	0
6	SUPPRAIL3	PX	.003	.003	0	0
7	KICKER2b	PX	.023	.023	0	0
8	KICKER2a	PX	.023	.023	0	0
9	KICKER1b	PX	.023	.023	0	0
10	KICKER1a	PX	.023	.023	0	0
11	KICKER3b	PX	.006	.006	0	0
12	KICKER3A	PX	.006	.006	0	0
13	SUP3B	PX	.004	.004	0	0
14	SUP3A	PX	.004	.004	0	0
15	SUP2B	PX	.004	.004	0	0
16	SUP2A	PX	.004	.004	0	0
17	SUP1B	PX	.004	.004	0	0
18	SUP1A	PX	.004	.004	0	0
19	SO3b	PX	.004	.004	0	0
20	SO3a	PX	.004	.004	0	0
21	SO2b	PX	.004	.004	0	0
22	SO2a	PX	.004	.004	0	0
23	SO1b	PX	.004	.004	0	0
24	SO1a	PX	.004	.004	0	0
25	PLATE12	PX	.011	.011	0	0
26	PLATE11	PX	.011	.011	0	0
27	PLATE10	PX	.011	.011	0	0
28	PLATE9	PX	.011	.011	0	0
29	PLATE8	PX	.011	.011	0	0
30	PLATE7	PX	.011	.011	0	0
31	PLATE6	PX	.011	.011	0	0
32	PLATE5	PX	.011	.011	0	0
33	PLATE4	PX	.011	.011	0	0
34	PLATE3	PX	.011	.011	0	0
35	PLATE2	PX	.011	.011	0	0
36	PLATE1	PX	.011	.011	0	0
37	MP GAMMA4	PX	.011	.011	0	0
38	MP GAMMA3	PX	.011	.011	0	0
39	MP GAMMA2	PX	.011	.011	0	0
40	MP GAMMA1	PX	.011	.011	0	0
41	MP BETA4	PX	.011	.011	0	0
42	MP BETA3	PX	.011	.011	0	0
43	MP BETA2	PX	.011	.011	0	0
44	MP BETA1	PX	.011	.011	0	0
45	MP ALPHA4	PX	.011	.011	0	0
46	MP ALPHA3	PX	.011	.011	0	0
47	MP ALPHA2	PX	.011	.011	0	0
48	MP ALPHA1	PX	.011	.011	0	0
49	CR3B	PX	.004	.004	0	0
50	CR3A	PX	.004	.004	0	0
51	CR2B	PX	.004	.004	0	0
52	CR2A	PX	.004	.004	0	0
53	CR1B	PX	.004	.004	0	0
54	CR1A	PX	.004	.004	0	0
55	CORNER3	PX	.011	.011	0	0
56	CORNER2	PX	.011	.011	0	0
57	CORNER1	PX	.011	.011	0	0
58	ANGLE3	PX	.009	.009	0	0
59	ANGLE2	PX	.009	.009	0	0

Member Distributed Loads (BLC 22 : Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
60	ANGLE1	PX	.009	.009	0	0
61	M130	PX	.004	.004	0	0

Member Distributed Loads (BLC 23 : Ice Wind Load (270))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE2	PX	.005	.005	0	0
2	FACE1	PX	.005	.005	0	0
3	FACE3	PX	.001	.001	0	0
4	SUPPRAIL2	PX	.004	.004	0	0
5	SUPPRAIL1	PX	.004	.004	0	0
6	SUPPRAIL3	PX	.001	.001	0	0
7	KICKER2b	PX	.005	.005	0	0
8	KICKER2a	PX	.005	.005	0	0
9	KICKER1b	PX	.005	.005	0	0
10	KICKER1a	PX	.005	.005	0	0
11	KICKER3b	PX	.002	.002	0	0
12	KICKER3A	PX	.002	.002	0	0
13	SUP3B	PX	.002	.002	0	0
14	SUP3A	PX	.002	.002	0	0
15	SUP2B	PX	.002	.002	0	0
16	SUP2A	PX	.002	.002	0	0
17	SUP1B	PX	.002	.002	0	0
18	SUP1A	PX	.002	.002	0	0
19	SO3b	PX	.001	.001	0	0
20	SO3a	PX	.001	.001	0	0
21	SO2b	PX	.001	.001	0	0
22	SO2a	PX	.001	.001	0	0
23	SO1b	PX	.001	.001	0	0
24	SO1a	PX	.001	.001	0	0
25	PLATE12	PX	.004	.004	0	0
26	PLATE11	PX	.004	.004	0	0
27	PLATE10	PX	.004	.004	0	0
28	PLATE9	PX	.004	.004	0	0
29	PLATE8	PX	.004	.004	0	0
30	PLATE7	PX	.004	.004	0	0
31	PLATE6	PX	.004	.004	0	0
32	PLATE5	PX	.004	.004	0	0
33	PLATE4	PX	.004	.004	0	0
34	PLATE3	PX	.004	.004	0	0
35	PLATE2	PX	.004	.004	0	0
36	PLATE1	PX	.004	.004	0	0
37	MP GAMMA4	PX	.004	.004	0	0
38	MP GAMMA3	PX	.004	.004	0	0
39	MP GAMMA2	PX	.004	.004	0	0
40	MP GAMMA1	PX	.004	.004	0	0
41	MP BETA4	PX	.004	.004	0	0
42	MP BETA3	PX	.004	.004	0	0
43	MP BETA2	PX	.004	.004	0	0
44	MP BETA1	PX	.004	.004	0	0
45	MP ALPHA4	PX	.004	.004	0	0
46	MP ALPHA3	PX	.004	.004	0	0
47	MP ALPHA2	PX	.004	.004	0	0
48	MP ALPHA1	PX	.004	.004	0	0
49	CR3B	PX	.002	.002	0	0
50	CR3A	PX	.002	.002	0	0
51	CR2B	PX	.002	.002	0	0

Member Distributed Loads (BLC 23 : Ice Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
52	CR2A	PX	.002	.002	0	0
53	CR1B	PX	.002	.002	0	0
54	CR1A	PX	.002	.002	0	0
55	CORNER3	PX	.002	.002	0	0
56	CORNER2	PX	.002	.002	0	0
57	CORNER1	PX	.002	.002	0	0
58	ANGLE3	PX	.003	.003	0	0
59	ANGLE2	PX	.003	.003	0	0
60	ANGLE1	PX	.003	.003	0	0
61	M130	PX	.001	.001	0	0

Member Distributed Loads (BLC 24 : Wind Load (300))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE2	PY	-.008	-.008	0	0
2	FACE1	PY	-.008	-.008	0	0
3	FACE3	PY	-.002	-.002	0	0
4	SUPPRAIL2	PY	-.005	-.005	0	0
5	SUPPRAIL1	PY	-.005	-.005	0	0
6	SUPPRAIL3	PY	-.002	-.002	0	0
7	KICKER2b	PY	-.011	-.011	0	0
8	KICKER2a	PY	-.011	-.011	0	0
9	KICKER1b	PY	-.011	-.011	0	0
10	KICKER1a	PY	-.011	-.011	0	0
11	KICKER3b	PY	-.003	-.003	0	0
12	KICKER3A	PY	-.003	-.003	0	0
13	SUP3B	PY	-.002	-.002	0	0
14	SUP3A	PY	-.002	-.002	0	0
15	SUP2B	PY	-.002	-.002	0	0
16	SUP2A	PY	-.002	-.002	0	0
17	SUP1B	PY	-.002	-.002	0	0
18	SUP1A	PY	-.002	-.002	0	0
19	SO3b	PY	-.002	-.002	0	0
20	SO3a	PY	-.002	-.002	0	0
21	SO2b	PY	-.002	-.002	0	0
22	SO2a	PY	-.002	-.002	0	0
23	SO1b	PY	-.002	-.002	0	0
24	SO1a	PY	-.002	-.002	0	0
25	PLATE12	PY	-.005	-.005	0	0
26	PLATE11	PY	-.005	-.005	0	0
27	PLATE10	PY	-.005	-.005	0	0
28	PLATE9	PY	-.005	-.005	0	0
29	PLATE8	PY	-.005	-.005	0	0
30	PLATE7	PY	-.005	-.005	0	0
31	PLATE6	PY	-.005	-.005	0	0
32	PLATE5	PY	-.005	-.005	0	0
33	PLATE4	PY	-.005	-.005	0	0
34	PLATE3	PY	-.005	-.005	0	0
35	PLATE2	PY	-.005	-.005	0	0
36	PLATE1	PY	-.005	-.005	0	0
37	MP GAMMA4	PY	-.005	-.005	0	0
38	MP GAMMA3	PY	-.005	-.005	0	0
39	MP GAMMA2	PY	-.005	-.005	0	0
40	MP GAMMA1	PY	-.005	-.005	0	0
41	MP BETA4	PY	-.005	-.005	0	0
42	MP BETA3	PY	-.005	-.005	0	0
43	MP BETA2	PY	-.005	-.005	0	0

Member Distributed Loads (BLC 24 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
44	MP BETA1	PY	-.005	-.005	0	0
45	MP ALPHA4	PY	-.005	-.005	0	0
46	MP ALPHA3	PY	-.005	-.005	0	0
47	MP ALPHA2	PY	-.005	-.005	0	0
48	MP ALPHA1	PY	-.005	-.005	0	0
49	CR3B	PY	-.002	-.002	0	0
50	CR3A	PY	-.002	-.002	0	0
51	CR2B	PY	-.002	-.002	0	0
52	CR2A	PY	-.002	-.002	0	0
53	CR1B	PY	-.002	-.002	0	0
54	CR1A	PY	-.002	-.002	0	0
55	CORNER3	PY	-.005	-.005	0	0
56	CORNER2	PY	-.005	-.005	0	0
57	CORNER1	PY	-.005	-.005	0	0
58	ANGLE3	PY	-.004	-.004	0	0
59	ANGLE2	PY	-.004	-.004	0	0
60	ANGLE1	PY	-.004	-.004	0	0
61	FACE2	PX	.014	.014	0	0
62	FACE1	PX	.014	.014	0	0
63	FACE3	PX	.003	.003	0	0
64	SUPPRAIL2	PX	.01	.01	0	0
65	SUPPRAIL1	PX	.01	.01	0	0
66	SUPPRAIL3	PX	.003	.003	0	0
67	KICKER2b	PX	.02	.02	0	0
68	KICKER2a	PX	.02	.02	0	0
69	KICKER1b	PX	.02	.02	0	0
70	KICKER1a	PX	.02	.02	0	0
71	KICKER3b	PX	.005	.005	0	0
72	KICKER3A	PX	.005	.005	0	0
73	SUP3B	PX	.003	.003	0	0
74	SUP3A	PX	.003	.003	0	0
75	SUP2B	PX	.003	.003	0	0
76	SUP2A	PX	.003	.003	0	0
77	SUP1B	PX	.003	.003	0	0
78	SUP1A	PX	.003	.003	0	0
79	SO3b	PX	.003	.003	0	0
80	SO3a	PX	.003	.003	0	0
81	SO2b	PX	.003	.003	0	0
82	SO2a	PX	.003	.003	0	0
83	SO1b	PX	.003	.003	0	0
84	SO1a	PX	.003	.003	0	0
85	PLATE12	PX	.01	.01	0	0
86	PLATE11	PX	.01	.01	0	0
87	PLATE10	PX	.01	.01	0	0
88	PLATE9	PX	.01	.01	0	0
89	PLATE8	PX	.01	.01	0	0
90	PLATE7	PX	.01	.01	0	0
91	PLATE6	PX	.01	.01	0	0
92	PLATE5	PX	.01	.01	0	0
93	PLATE4	PX	.01	.01	0	0
94	PLATE3	PX	.01	.01	0	0
95	PLATE2	PX	.01	.01	0	0
96	PLATE1	PX	.01	.01	0	0
97	MP GAMMA4	PX	.01	.01	0	0
98	MP GAMMA3	PX	.01	.01	0	0
99	MP GAMMA2	PX	.01	.01	0	0
100	MP GAMMA1	PX	.01	.01	0	0

Member Distributed Loads (BLC 24 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
101	MP BETA4	PX	.01	.01	0	0
102	MP BETA3	PX	.01	.01	0	0
103	MP BETA2	PX	.01	.01	0	0
104	MP BETA1	PX	.01	.01	0	0
105	MP ALPHA4	PX	.01	.01	0	0
106	MP ALPHA3	PX	.01	.01	0	0
107	MP ALPHA2	PX	.01	.01	0	0
108	MP ALPHA1	PX	.01	.01	0	0
109	CR3B	PX	.003	.003	0	0
110	CR3A	PX	.003	.003	0	0
111	CR2B	PX	.003	.003	0	0
112	CR2A	PX	.003	.003	0	0
113	CR1B	PX	.003	.003	0	0
114	CR1A	PX	.003	.003	0	0
115	CORNER3	PX	.01	.01	0	0
116	CORNER2	PX	.01	.01	0	0
117	CORNER1	PX	.01	.01	0	0
118	ANGLE3	PX	.008	.008	0	0
119	ANGLE2	PX	.008	.008	0	0
120	ANGLE1	PX	.008	.008	0	0
121	M130	PY	-.002	-.002	0	0
122	M130	PX	.003	.003	0	0

Member Distributed Loads (BLC 25 : Ice Wind Load (300))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	-.003	-.003	0	0
2	FACE2	PY	-.003	-.003	0	0
3	FACE1	PY	-.0005	-.0005	0	0
4	SUPPRAIL3	PY	-.002	-.002	0	0
5	SUPPRAIL2	PY	-.002	-.002	0	0
6	SUPPRAIL1	PY	-.0005	-.0005	0	0
7	KICKER3b	PY	-.003	-.003	0	0
8	KICKER3A	PY	-.003	-.003	0	0
9	KICKER2b	PY	-.003	-.003	0	0
10	KICKER2a	PY	-.003	-.003	0	0
11	KICKER1b	PY	-.001	-.001	0	0
12	KICKER1a	PY	-.001	-.001	0	0
13	SUP3B	PY	-.001	-.001	0	0
14	SUP3A	PY	-.001	-.001	0	0
15	SUP2B	PY	-.001	-.001	0	0
16	SUP2A	PY	-.001	-.001	0	0
17	SUP1B	PY	-.001	-.001	0	0
18	SUP1A	PY	-.001	-.001	0	0
19	SO3b	PY	-.0005	-.0005	0	0
20	SO3a	PY	-.0005	-.0005	0	0
21	SO2b	PY	-.0005	-.0005	0	0
22	SO2a	PY	-.0005	-.0005	0	0
23	SO1b	PY	-.0005	-.0005	0	0
24	SO1a	PY	-.0005	-.0005	0	0
25	PLATE12	PY	-.002	-.002	0	0
26	PLATE11	PY	-.002	-.002	0	0
27	PLATE10	PY	-.002	-.002	0	0
28	PLATE9	PY	-.002	-.002	0	0
29	PLATE8	PY	-.002	-.002	0	0
30	PLATE7	PY	-.002	-.002	0	0
31	PLATE6	PY	-.002	-.002	0	0

Member Distributed Loads (BLC 25 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
32	PLATE5	PY	-.002	-.002	0	0
33	PLATE4	PY	-.002	-.002	0	0
34	PLATE3	PY	-.002	-.002	0	0
35	PLATE2	PY	-.002	-.002	0	0
36	PLATE1	PY	-.002	-.002	0	0
37	MP GAMMA4	PY	-.002	-.002	0	0
38	MP GAMMA3	PY	-.002	-.002	0	0
39	MP GAMMA2	PY	-.002	-.002	0	0
40	MP GAMMA1	PY	-.002	-.002	0	0
41	MP BETA4	PY	-.002	-.002	0	0
42	MP BETA3	PY	-.002	-.002	0	0
43	MP BETA2	PY	-.002	-.002	0	0
44	MP BETA1	PY	-.002	-.002	0	0
45	MP ALPHA4	PY	-.002	-.002	0	0
46	MP ALPHA3	PY	-.002	-.002	0	0
47	MP ALPHA2	PY	-.002	-.002	0	0
48	MP ALPHA1	PY	-.002	-.002	0	0
49	CR3B	PY	-.001	-.001	0	0
50	CR3A	PY	-.001	-.001	0	0
51	CR2B	PY	-.001	-.001	0	0
52	CR2A	PY	-.001	-.001	0	0
53	CR1B	PY	-.001	-.001	0	0
54	CR1A	PY	-.001	-.001	0	0
55	CORNER3	PY	-.001	-.001	0	0
56	CORNER2	PY	-.001	-.001	0	0
57	CORNER1	PY	-.001	-.001	0	0
58	ANGLE3	PY	-.002	-.002	0	0
59	ANGLE2	PY	-.002	-.002	0	0
60	ANGLE1	PY	-.002	-.002	0	0
61	FACE3	PX	.004	.004	0	0
62	FACE2	PX	.004	.004	0	0
63	FACE1	PX	.000866	.000866	0	0
64	SUPPRAIL3	PX	.003	.003	0	0
65	SUPPRAIL2	PX	.003	.003	0	0
66	SUPPRAIL1	PX	.000866	.000866	0	0
67	KICKER3b	PX	.004	.004	0	0
68	KICKER3A	PX	.004	.004	0	0
69	KICKER2b	PX	.004	.004	0	0
70	KICKER2a	PX	.004	.004	0	0
71	KICKER1b	PX	.002	.002	0	0
72	KICKER1a	PX	.002	.002	0	0
73	SUP3B	PX	.002	.002	0	0
74	SUP3A	PX	.002	.002	0	0
75	SUP2B	PX	.002	.002	0	0
76	SUP2A	PX	.002	.002	0	0
77	SUP1B	PX	.002	.002	0	0
78	SUP1A	PX	.002	.002	0	0
79	SO3b	PX	.000866	.000866	0	0
80	SO3a	PX	.000866	.000866	0	0
81	SO2b	PX	.000866	.000866	0	0
82	SO2a	PX	.000866	.000866	0	0
83	SO1b	PX	.000866	.000866	0	0
84	SO1a	PX	.000866	.000866	0	0
85	PLATE12	PX	.003	.003	0	0
86	PLATE11	PX	.003	.003	0	0
87	PLATE10	PX	.003	.003	0	0
88	PLATE9	PX	.003	.003	0	0

Member Distributed Loads (BLC 25 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
89	PLATE8	PX	.003	.003	0	0
90	PLATE7	PX	.003	.003	0	0
91	PLATE6	PX	.003	.003	0	0
92	PLATE5	PX	.003	.003	0	0
93	PLATE4	PX	.003	.003	0	0
94	PLATE3	PX	.003	.003	0	0
95	PLATE2	PX	.003	.003	0	0
96	PLATE1	PX	.003	.003	0	0
97	MP GAMMA4	PX	.003	.003	0	0
98	MP GAMMA3	PX	.003	.003	0	0
99	MP GAMMA2	PX	.003	.003	0	0
100	MP GAMMA1	PX	.003	.003	0	0
101	MP BETA4	PX	.003	.003	0	0
102	MP BETA3	PX	.003	.003	0	0
103	MP BETA2	PX	.003	.003	0	0
104	MP BETA1	PX	.003	.003	0	0
105	MP ALPHA4	PX	.003	.003	0	0
106	MP ALPHA3	PX	.003	.003	0	0
107	MP ALPHA2	PX	.003	.003	0	0
108	MP ALPHA1	PX	.003	.003	0	0
109	CR3B	PX	.002	.002	0	0
110	CR3A	PX	.002	.002	0	0
111	CR2B	PX	.002	.002	0	0
112	CR2A	PX	.002	.002	0	0
113	CR1B	PX	.002	.002	0	0
114	CR1A	PX	.002	.002	0	0
115	CORNER3	PX	.002	.002	0	0
116	CORNER2	PX	.002	.002	0	0
117	CORNER1	PX	.002	.002	0	0
118	ANGLE3	PX	.003	.003	0	0
119	ANGLE2	PX	.003	.003	0	0
120	ANGLE1	PX	.003	.003	0	0
121	M130	PY	-.0005	-.0005	0	0
122	M130	PX	.000866	.000866	0	0

Member Distributed Loads (BLC 26 : Wind Load (330))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE2	PY	-.014	-.014	0	0
2	FACE1	PY	-.014	-.014	0	0
3	FACE3	PY	-.003	-.003	0	0
4	SUPPRAIL2	PY	-.01	-.01	0	0
5	SUPPRAIL1	PY	-.01	-.01	0	0
6	SUPPRAIL3	PY	-.003	-.003	0	0
7	KICKER2b	PY	-.02	-.02	0	0
8	KICKER2a	PY	-.02	-.02	0	0
9	KICKER1b	PY	-.02	-.02	0	0
10	KICKER1a	PY	-.02	-.02	0	0
11	KICKER3b	PY	-.005	-.005	0	0
12	KICKER3A	PY	-.005	-.005	0	0
13	SUP3B	PY	-.003	-.003	0	0
14	SUP3A	PY	-.003	-.003	0	0
15	SUP2B	PY	-.003	-.003	0	0
16	SUP2A	PY	-.003	-.003	0	0
17	SUP1B	PY	-.003	-.003	0	0
18	SUP1A	PY	-.003	-.003	0	0
19	SO3b	PY	-.003	-.003	0	0

Member Distributed Loads (BLC 26 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
20	SO3a	PY	-.003	-.003	0	0
21	SO2b	PY	-.003	-.003	0	0
22	SO2a	PY	-.003	-.003	0	0
23	SO1b	PY	-.003	-.003	0	0
24	SO1a	PY	-.003	-.003	0	0
25	PLATE12	PY	-.01	-.01	0	0
26	PLATE11	PY	-.01	-.01	0	0
27	PLATE10	PY	-.01	-.01	0	0
28	PLATE9	PY	-.01	-.01	0	0
29	PLATE8	PY	-.01	-.01	0	0
30	PLATE7	PY	-.01	-.01	0	0
31	PLATE6	PY	-.01	-.01	0	0
32	PLATE5	PY	-.01	-.01	0	0
33	PLATE4	PY	-.01	-.01	0	0
34	PLATE3	PY	-.01	-.01	0	0
35	PLATE2	PY	-.01	-.01	0	0
36	PLATE1	PY	-.01	-.01	0	0
37	MP GAMMA4	PY	-.01	-.01	0	0
38	MP GAMMA3	PY	-.01	-.01	0	0
39	MP GAMMA2	PY	-.01	-.01	0	0
40	MP GAMMA1	PY	-.01	-.01	0	0
41	MP BETA4	PY	-.01	-.01	0	0
42	MP BETA3	PY	-.01	-.01	0	0
43	MP BETA2	PY	-.01	-.01	0	0
44	MP BETA1	PY	-.01	-.01	0	0
45	MP ALPHA4	PY	-.01	-.01	0	0
46	MP ALPHA3	PY	-.01	-.01	0	0
47	MP ALPHA2	PY	-.01	-.01	0	0
48	MP ALPHA1	PY	-.01	-.01	0	0
49	CR3B	PY	-.003	-.003	0	0
50	CR3A	PY	-.003	-.003	0	0
51	CR2B	PY	-.003	-.003	0	0
52	CR2A	PY	-.003	-.003	0	0
53	CR1B	PY	-.003	-.003	0	0
54	CR1A	PY	-.003	-.003	0	0
55	CORNER3	PY	-.01	-.01	0	0
56	CORNER2	PY	-.01	-.01	0	0
57	CORNER1	PY	-.01	-.01	0	0
58	ANGLE3	PY	-.008	-.008	0	0
59	ANGLE2	PY	-.008	-.008	0	0
60	ANGLE1	PY	-.008	-.008	0	0
61	FACE2	PX	.008	.008	0	0
62	FACE1	PX	.008	.008	0	0
63	FACE3	PX	.002	.002	0	0
64	SUPPRAIL2	PX	.005	.005	0	0
65	SUPPRAIL1	PX	.005	.005	0	0
66	SUPPRAIL3	PX	.002	.002	0	0
67	KICKER2b	PX	.011	.011	0	0
68	KICKER2a	PX	.011	.011	0	0
69	KICKER1b	PX	.011	.011	0	0
70	KICKER1a	PX	.011	.011	0	0
71	KICKER3b	PX	.003	.003	0	0
72	KICKER3A	PX	.003	.003	0	0
73	SUP3B	PX	.002	.002	0	0
74	SUP3A	PX	.002	.002	0	0
75	SUP2B	PX	.002	.002	0	0
76	SUP2A	PX	.002	.002	0	0

Member Distributed Loads (BLC 26 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
77	SUP1B	PX	.002	.002	0	0
78	SUP1A	PX	.002	.002	0	0
79	SO3b	PX	.002	.002	0	0
80	SO3a	PX	.002	.002	0	0
81	SO2b	PX	.002	.002	0	0
82	SO2a	PX	.002	.002	0	0
83	SO1b	PX	.002	.002	0	0
84	SO1a	PX	.002	.002	0	0
85	PLATE12	PX	.005	.005	0	0
86	PLATE11	PX	.005	.005	0	0
87	PLATE10	PX	.005	.005	0	0
88	PLATE9	PX	.005	.005	0	0
89	PLATE8	PX	.005	.005	0	0
90	PLATE7	PX	.005	.005	0	0
91	PLATE6	PX	.005	.005	0	0
92	PLATE5	PX	.005	.005	0	0
93	PLATE4	PX	.005	.005	0	0
94	PLATE3	PX	.005	.005	0	0
95	PLATE2	PX	.005	.005	0	0
96	PLATE1	PX	.005	.005	0	0
97	MP GAMMA4	PX	.005	.005	0	0
98	MP GAMMA3	PX	.005	.005	0	0
99	MP GAMMA2	PX	.005	.005	0	0
100	MP GAMMA1	PX	.005	.005	0	0
101	MP BETA4	PX	.005	.005	0	0
102	MP BETA3	PX	.005	.005	0	0
103	MP BETA2	PX	.005	.005	0	0
104	MP BETA1	PX	.005	.005	0	0
105	MP ALPHA4	PX	.005	.005	0	0
106	MP ALPHA3	PX	.005	.005	0	0
107	MP ALPHA2	PX	.005	.005	0	0
108	MP ALPHA1	PX	.005	.005	0	0
109	CR3B	PX	.002	.002	0	0
110	CR3A	PX	.002	.002	0	0
111	CR2B	PX	.002	.002	0	0
112	CR2A	PX	.002	.002	0	0
113	CR1B	PX	.002	.002	0	0
114	CR1A	PX	.002	.002	0	0
115	CORNER3	PX	.005	.005	0	0
116	CORNER2	PX	.005	.005	0	0
117	CORNER1	PX	.005	.005	0	0
118	ANGLE3	PX	.004	.004	0	0
119	ANGLE2	PX	.004	.004	0	0
120	ANGLE1	PX	.004	.004	0	0
121	M130	PY	-.003	-.003	0	0
122	M130	PX	.002	.002	0	0

Member Distributed Loads (BLC 27 : Ice Wind Load (330))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	FACE3	PY	-.004	-.004	0	0
2	FACE2	PY	-.004	-.004	0	0
3	FACE1	PY	-.000866	-.000866	0	0
4	SUPPRAIL3	PY	-.003	-.003	0	0
5	SUPPRAIL2	PY	-.003	-.003	0	0
6	SUPPRAIL1	PY	-.000866	-.000866	0	0
7	KICKER3b	PY	-.004	-.004	0	0

Member Distributed Loads (BLC 27 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
8	KICKER3A	PY	-.004	-.004	0	0
9	KICKER2b	PY	-.004	-.004	0	0
10	KICKER2a	PY	-.004	-.004	0	0
11	KICKER1b	PY	-.002	-.002	0	0
12	KICKER1a	PY	-.002	-.002	0	0
13	SUP3B	PY	-.002	-.002	0	0
14	SUP3A	PY	-.002	-.002	0	0
15	SUP2B	PY	-.002	-.002	0	0
16	SUP2A	PY	-.002	-.002	0	0
17	SUP1B	PY	-.002	-.002	0	0
18	SUP1A	PY	-.002	-.002	0	0
19	SO3b	PY	-.000866	-.000866	0	0
20	SO3a	PY	-.000866	-.000866	0	0
21	SO2b	PY	-.000866	-.000866	0	0
22	SO2a	PY	-.000866	-.000866	0	0
23	SO1b	PY	-.000866	-.000866	0	0
24	SO1a	PY	-.000866	-.000866	0	0
25	PLATE12	PY	-.003	-.003	0	0
26	PLATE11	PY	-.003	-.003	0	0
27	PLATE10	PY	-.003	-.003	0	0
28	PLATE9	PY	-.003	-.003	0	0
29	PLATE8	PY	-.003	-.003	0	0
30	PLATE7	PY	-.003	-.003	0	0
31	PLATE6	PY	-.003	-.003	0	0
32	PLATE5	PY	-.003	-.003	0	0
33	PLATE4	PY	-.003	-.003	0	0
34	PLATE3	PY	-.003	-.003	0	0
35	PLATE2	PY	-.003	-.003	0	0
36	PLATE1	PY	-.003	-.003	0	0
37	MP GAMMA4	PY	-.003	-.003	0	0
38	MP GAMMA3	PY	-.003	-.003	0	0
39	MP GAMMA2	PY	-.003	-.003	0	0
40	MP GAMMA1	PY	-.003	-.003	0	0
41	MP BETA4	PY	-.003	-.003	0	0
42	MP BETA3	PY	-.003	-.003	0	0
43	MP BETA2	PY	-.003	-.003	0	0
44	MP BETA1	PY	-.003	-.003	0	0
45	MP ALPHA4	PY	-.003	-.003	0	0
46	MP ALPHA3	PY	-.003	-.003	0	0
47	MP ALPHA2	PY	-.003	-.003	0	0
48	MP ALPHA1	PY	-.003	-.003	0	0
49	CR3B	PY	-.002	-.002	0	0
50	CR3A	PY	-.002	-.002	0	0
51	CR2B	PY	-.002	-.002	0	0
52	CR2A	PY	-.002	-.002	0	0
53	CR1B	PY	-.002	-.002	0	0
54	CR1A	PY	-.002	-.002	0	0
55	CORNER3	PY	-.002	-.002	0	0
56	CORNER2	PY	-.002	-.002	0	0
57	CORNER1	PY	-.002	-.002	0	0
58	ANGLE3	PY	-.003	-.003	0	0
59	ANGLE2	PY	-.003	-.003	0	0
60	ANGLE1	PY	-.003	-.003	0	0
61	FACE3	PX	.003	.003	0	0
62	FACE2	PX	.003	.003	0	0
63	FACE1	PX	.0005	.0005	0	0
64	SUPPRAIL3	PX	.002	.002	0	0

Member Distributed Loads (BLC 27 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
65	SUPPRAIL2	PX	.002	.002	0	0
66	SUPPRAIL1	PX	.0005	.0005	0	0
67	KICKER3b	PX	.003	.003	0	0
68	KICKER3A	PX	.003	.003	0	0
69	KICKER2b	PX	.003	.003	0	0
70	KICKER2a	PX	.003	.003	0	0
71	KICKER1b	PX	.001	.001	0	0
72	KICKER1a	PX	.001	.001	0	0
73	SUP3B	PX	.001	.001	0	0
74	SUP3A	PX	.001	.001	0	0
75	SUP2B	PX	.001	.001	0	0
76	SUP2A	PX	.001	.001	0	0
77	SUP1B	PX	.001	.001	0	0
78	SUP1A	PX	.001	.001	0	0
79	SO3b	PX	.0005	.0005	0	0
80	SO3a	PX	.0005	.0005	0	0
81	SO2b	PX	.0005	.0005	0	0
82	SO2a	PX	.0005	.0005	0	0
83	SO1b	PX	.0005	.0005	0	0
84	SO1a	PX	.0005	.0005	0	0
85	PLATE12	PX	.002	.002	0	0
86	PLATE11	PX	.002	.002	0	0
87	PLATE10	PX	.002	.002	0	0
88	PLATE9	PX	.002	.002	0	0
89	PLATE8	PX	.002	.002	0	0
90	PLATE7	PX	.002	.002	0	0
91	PLATE6	PX	.002	.002	0	0
92	PLATE5	PX	.002	.002	0	0
93	PLATE4	PX	.002	.002	0	0
94	PLATE3	PX	.002	.002	0	0
95	PLATE2	PX	.002	.002	0	0
96	PLATE1	PX	.002	.002	0	0
97	MP GAMMA4	PX	.002	.002	0	0
98	MP GAMMA3	PX	.002	.002	0	0
99	MP GAMMA2	PX	.002	.002	0	0
100	MP GAMMA1	PX	.002	.002	0	0
101	MP BETA4	PX	.002	.002	0	0
102	MP BETA3	PX	.002	.002	0	0
103	MP BETA2	PX	.002	.002	0	0
104	MP BETA1	PX	.002	.002	0	0
105	MP ALPHA4	PX	.002	.002	0	0
106	MP ALPHA3	PX	.002	.002	0	0
107	MP ALPHA2	PX	.002	.002	0	0
108	MP ALPHA1	PX	.002	.002	0	0
109	CR3B	PX	.001	.001	0	0
110	CR3A	PX	.001	.001	0	0
111	CR2B	PX	.001	.001	0	0
112	CR2A	PX	.001	.001	0	0
113	CR1B	PX	.001	.001	0	0
114	CR1A	PX	.001	.001	0	0
115	CORNER3	PX	.001	.001	0	0
116	CORNER2	PX	.001	.001	0	0
117	CORNER1	PX	.001	.001	0	0
118	ANGLE3	PX	.002	.002	0	0
119	ANGLE2	PX	.002	.002	0	0
120	ANGLE1	PX	.002	.002	0	0
121	M130	PY	-.000866	-.000866	0	0

Member Distributed Loads (BLC 27 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
122	M130	PX	.0005	.0005	0	0

Member Distributed Loads (BLC 43 : BLC 2 Transient Area Loads)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP1B	Z	-.002	-.011	0	1.347
2	SUP1B	Z	-.011	-.014	1.347	2.694
3	SUP1B	Z	-.014	-.009	2.694	4.041
4	SUP1A	Z	-.015	-.009	0	1.617
5	SUP1A	Z	-.009	-.003	1.617	3.233
6	SUP3B	Z	-.003	-.009	.808	2.425
7	SUP3B	Z	-.009	-.015	2.425	4.041
8	SUP3A	Z	-.009	-.014	0	1.347
9	SUP3A	Z	-.014	-.011	1.347	2.694
10	SUP3A	Z	-.011	-.002	2.694	4.041
11	SUP2B	Z	-.003	-.009	.808	2.425
12	SUP2B	Z	-.009	-.015	2.425	4.041
13	SUP2A	Z	-.002	-.011	0	1.347
14	SUP2A	Z	-.011	-.014	1.347	2.694
15	SUP2A	Z	-.014	-.009	2.694	4.041

Member Distributed Loads (BLC 44 : BLC 5 Transient Area Loads)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP1B	Z	-.004	-.011	.808	2.425
2	SUP1B	Z	-.011	-.019	2.425	4.041
3	SUP1A	Z	-.011	-.016	0	1.347
4	SUP1A	Z	-.016	-.013	1.347	2.694
5	SUP1A	Z	-.013	-.002	2.694	4.041
6	SUP3B	Z	-.004	-.011	.808	2.425
7	SUP3B	Z	-.011	-.019	2.425	4.041
8	SUP3A	Z	-.011	-.016	0	1.347
9	SUP3A	Z	-.016	-.013	1.347	2.694
10	SUP3A	Z	-.013	-.002	2.694	4.041
11	SUP2B	Z	-.004	-.011	.808	2.425
12	SUP2B	Z	-.011	-.019	2.425	4.041
13	SUP2A	Z	-.002	-.013	0	1.347
14	SUP2A	Z	-.013	-.016	1.347	2.694
15	SUP2A	Z	-.016	-.011	2.694	4.041

Member Area Loads (BLC 2 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N89A	N87A	N90		Z	Two Way	-.01
2	N86A	N91	N88A		Z	Two Way	-.01
3	N87B	N89	N91A		Z	Two Way	-.01

Member Area Loads (BLC 5 : Ice Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N89A	N87A	N90		Z	Two Way	-.012
2	N86A	N91	N88A		Z	Two Way	-.012
3	N87B	N89	N91A		Z	Two Way	-.012

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	N21	max	1.959	11	-.258	2	-.317	26	-.247	26	.769	30	2.612	29
2		min	-1.536	29	-5.084	21	-1.1	9	-.957	9	.235	11	-3.201	11
3	N143A	max	3.838	9	2.336	3	-.052	14	.292	36	.052	8	2.086	17
4		min	.008	26	-.294	20	-.56	28	.031	14	-.389	28	-2.371	35
5	N145A	max	-.429	11	2.743	2	-.057	2	.256	9	.299	20	2.414	5
6		min	-4.586	33	-.613	20	-.458	18	-.029	28	-.089	2	-2.722	23
7	N182B	max	.183	11	5.398	36	3.642	6	1.144	12	.668	11	1.009	29
8		min	-.429	29	1.991	20	1.362	23	-.056	29	-.569	29	-.994	11
9	N191B	max	-1.632	8	-.913	2	3.407	30	.35	17	1.122	30	.861	17
10		min	-4.022	27	-2.464	21	1.42	8	-.878	35	.415	14	-.673	35
11	N200	max	4.844	12	-.968	35	3.882	15	-.157	23	.153	5	.916	5
12		min	1.797	29	-2.597	15	1.525	32	-.717	6	-1.21	24	-.718	23
13	Totals:	max	6.327	11	6.029	2	8.911	6						
14		min	-6.079	29	-6.141	20	4.454	20						

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Wind Load (0)	WL					39	61		
2	Dead Load	DL			-1.1		39		3	
3	Live Load	LL					1			
4	Ice Wind Load (0)	OL1					39	61		
5	Ice Dead Load	OL2					39	61	3	
6	Wind Load (30)	WL					78	122		
7	Ice Wind Load (30)	OL1					78	122		
8	Wind Load (60)	WL					78	122		
9	Ice Wind Load (60)	OL1					78	122		
10	Wind Load (90)	WL					39	61		
11	Ice Wind Load (90)	OL1					39	61		
12	Wind Load (120)	WL					78	122		
13	Ice Wind Load (120)	OL1					78	122		
14	Wind Load (150)	WL					78	122		
15	Ice Wind Load (150)	OL1					78	122		
16	Wind Load (180)	WL					39	61		
17	Ice Wind Load (180)	OL1					39	61		
18	Wind Load (210)	WL					78	122		
19	Ice Wind Load (210)	OL1					78	122		
20	Wind Load (240)	WL					78	122		
21	Ice Wind Load (240)	OL1					78	122		
22	Wind Load (270)	WL					39	61		
23	Ice Wind Load (270)	OL1					39	61		
24	Wind Load (300)	WL					78	122		
25	Ice Wind Load (300)	OL1					78	122		
26	Wind Load (330)	WL					78	122		
27	Ice Wind Load (330)	OL1					78	122		
28	Maintanence (0)	OL3					39			
29	Maintanence (30)	OL3					78			
30	Maintanence (60)	OL3					78			
31	Maintanence (90)	OL3					39			
32	Maintanence (120)	OL3					78			
33	Maintanence (150)	OL3					78			
34	Maintanence (180)	OL3					39			
35	Maintanence (210)	OL3					78			
36	Maintanence (240)	OL3					78			
37	Maintanence (270)	OL3					39			

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
38	Maintanence (300)	OL3					78			
39	Maintanence (330)	OL3					78			
40	Earthquake (x-directi...	EL	-.147				39			
41	Earthquake (y-directi...	EL		-.147			39			
42	Earthquake (z-directi...	EL			-.059		39			
43	BLC 2 Transient Area...	None						15		
44	BLC 5 Transient Area...	None						15		

Load Combinations

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

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

	Member	Shape	Code ...	Loc[ft]	LC	She...	Loc...	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*M...	...	Eqn
1	SUPPRAIL3	PIPE_2.0	.091	1.042	21	.058	.911		9	6.295	32.13	1.872	1.872	...	H1-1b
2	SUPPRAIL2	PIPE_2.0	.088	12.24	8	.053	.911		30	6.295	32.13	1.872	1.872	...	H1-1b
3	SUPPRAIL1	PIPE_2.0	.101	3.125	16	.042	.26		34	6.295	32.13	1.872	1.872	...	H1-1b
4	SUP3B	L2x2x3	.503	4.041	11	.035	0	z	12	10.321	23.393	.558	1.21	...	H2-1
5	SUP3A	L2x2x3	.446	0	17	.034	4.041	z	18	10.321	23.393	.558	1.204	...	H2-1
6	SUP2B	L2x2x3	.472	4.041	35	.035	0	z	36	10.321	23.393	.558	1.211	...	H2-1
7	SUP2A	L2x2x3	.595	0	6	.044	0	y	6	10.321	23.393	.558	1.239	...	H2-1
8	SUP1B	L2x2x3	.443	4.041	23	.032	0	z	24	10.321	23.393	.558	1.205	...	H2-1
9	SUP1A	L2x2x3	.466	0	29	.031	4.041	z	30	10.321	23.393	.558	1.208	...	H2-1
10	SO3b	HSS4X4X4	.136	0	11	.120	0	z	12	139.372	139.518	16.181	16.181	...	H1-1b
11	SO3a	PIPE_3.5	.477	2.875	3	.238	2.938		12	68	78.75	7.954	7.954	...	H1-1b
12	SO2b	HSS4X4X4	.122	0	23	.126	0	z	6	139.372	139.518	16.181	16.181	...	H1-1b
13	SO2a	PIPE_3.5	.388	2.875	15	.150	2.938		21	68	78.75	7.954	7.954	...	H1-1b
14	SO1b	HSS4X4X4	.113	0	35	.118	0	z	18	139.372	139.518	16.181	16.181	...	H1-1b
15	SO1a	PIPE_3.5	.334	2.875	28	.114	2.938		36	68	78.75	7.954	7.954	...	H1-1b
16	PLATE12	6x0.375	.362	.149	32	.181	.292	y	27	68.988	72.9	.57	9.113	...	H1-1b
17	PLATE11	6x0.375	.352	.143	29	.287	0	y	3	68.988	72.9	.57	9.113	...	H1-1b
18	PLATE10	6x0.375	.391	.149	11	.373	.292	y	6	68.988	72.9	.57	9.113	...	H1-1b
19	PLATE9	6x0.375	.433	.143	8	.172	0	y	30	68.988	72.9	.57	9.113	...	H1-1b
20	PLATE8	6x0.375	.355	.149	20	.295	.292	y	12	68.988	72.9	.57	9.113	...	H1-1b
21	PLATE7	6x0.375	.361	.143	20	.320	0	y	30	68.988	72.9	.57	9.113	...	H1-1b
22	PLATE6	6x0.375	.374	.15	11	.244	0	y	26	68.777	72.9	.57	9.113	...	H1-1b
23	PLATE5	6x0.375	.386	.15	17	.197	.3	y	2	68.777	72.9	.57	9.113	...	H1-1b
24	PLATE4	6x0.375	.341	.15	35	.251	0	y	14	68.777	72.9	.57	9.113	...	H1-1b
25	PLATE3	6x0.375	.421	.15	5	.300	.3	y	8	68.777	72.9	.57	9.113	...	H1-1b
26	PLATE2	6x0.375	.385	.15	29	.239	.3	y	14	68.777	72.9	.57	9.113	...	H1-1b
27	PLATE1	6x0.375	.341	.15	23	.211	0	y	2	68.777	72.9	.57	9.113	...	H1-1b
28	MP GAMMA4	PIPE_2.5	.144	4.5	8	.063	4.5		8	30.038	50.715	3.596	3.596	...	H1-1b
29	MP GAMMA3	PIPE_2.5	.231	4.5	26	.048	4.5		23	30.038	50.715	3.596	3.596	...	H1-1b
30	MP GAMMA2	PIPE_2.5	.244	4.5	8	.047	4.5		29	30.038	50.715	3.596	3.596	...	H1-1b
31	MP GAMMA1	PIPE_2.5	.238	4.5	8	.071	4.5		8	30.038	50.715	3.596	3.596	...	H1-1b
32	MP BETA4	PIPE_2.5	.118	4.5	32	.055	4.5		32	30.038	50.715	3.596	3.596	...	H1-1b
33	MP BETA3	PIPE_2.5	.183	4.5	32	.051	4.5		11	30.038	50.715	3.596	3.596	...	H1-1b
34	MP BETA2	PIPE_2.5	.139	4.5	35	.035	4.5		17	30.038	50.715	3.596	3.596	...	H1-1b
35	MP BETA1	PIPE_2.5	.158	4.5	32	.059	4.5		32	30.038	50.715	3.596	3.596	...	H1-1b
36	MP ALPHA4	PIPE_2.5	.115	4.5	20	.055	4.5		20	30.038	50.715	3.596	3.596	...	H1-1b
37	MP ALPHA3	PIPE_2.5	.172	4.5	20	.051	4.5		35	30.038	50.715	3.596	3.596	...	H1-1b
38	MP ALPHA2	PIPE_2.5	.072	4	20	.020	4		8	30.038	50.715	3.596	3.596	...	H1-1b
39	MP ALPHA1	PIPE_2.5	.145	4.5	17	.069	4.5		20	30.038	50.715	3.596	3.596	...	H1-1b
40	KICKER3b	L3X3X4	.243	3.359	36	.014	0	z	29	36.341	46.656	1.688	3.591	...	H2-1
41	KICKER3A	L3X3X4	.332	3.359	30	.031	0	y	29	36.341	46.656	1.688	3.756	...	H2-1
42	KICKER2b	L3X3X4	.190	3.359	15	.011	0	z	5	36.341	46.656	1.688	3.591	...	H2-1
43	KICKER2a	L3X3X4	.247	3.359	6	.025	0	y	5	36.341	46.656	1.688	3.756	...	H2-1
44	KICKER1b	L3X3X4	.144	3.359	25	.009	0	z	35	36.341	46.656	1.688	3.591	...	H2-1
45	KICKER1a	L3X3X4	.204	0	17	.018	0	y	17	36.341	46.656	1.688	3.756	...	H2-1
46	FACE3	PIPE_3.0	.145	3.646	15	.079	.521		27	28.251	65.205	5.749	5.749	...	H1-1b
47	FACE2	PIPE_3.0	.126	7.943	29	.054	.521		14	28.251	65.205	5.749	5.749	...	H1-1b
48	FACE1	PIPE_3.0	.114	8.854	30	.057	4.557		30	28.251	65.205	5.749	5.749	...	H1-1b
49	CORNER3	6x0.375	.528	.524	17	.200	.524	y	26	35.782	72.9	.57	9.113	...	H1-1b
50	CORNER2	6x0.375	.570	.524	23	.288	.524	y	27	35.782	72.9	.57	9.113	...	H1-1b
51	CORNER1	6x0.375	.518	.524	29	.238	.524	y	4	35.782	72.9	.57	9.113	...	H1-1b
52	ANGLE3	L5X5X5	.029	0	8	.028	0	y	29	80.24	99.468	6.383	13.598	...	H2-1
53	ANGLE2	L5X5X5	.024	1.235	30	.024	1.395	y	17	80.24	99.468	6.383	13.598	...	H2-1
54	ANGLE1	L5X5X5	.028	0	18	.028	0	y	26	80.24	99.468	6.383	13.598	...	H2-1
55	M130	PIPE_2.5	.118	3.5	21	.047	3.5		35	30.038	50.715	3.596	3.596	...	H1-1b
56	SOPIPE	PIPE_2.0	.057	.5	20	.007	.5		20	28.843	32.13	1.872	1.872	...	H1-1b

Envelope AISI S100-16: LRFD Cold Formed Steel Code Checks

	Member	Shape	Code ...	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pn[k]	phi*Tn[k]	phi*Mn...	phi*Mn...	phi*...	phi*...	Cb	Eqn
1	CR3B	CU3.38...	.871	2.395	24	.428	.524	y	18	35.905	45.461	1.144	3.869	9.619	12.7...	1.575	H1.1-2
2	CR3A	CU3.38...	.729	0	3	.362	1.871	y	15	35.905	45.461	1.144	3.869	9.619	12.7...	1.579	H1.1-2
3	CR2B	CU3.38...	.666	2.395	12	.357	.524	y	6	35.905	45.461	1.144	3.869	9.619	12.7...	1.587	H1.1-2
4	CR2A	CU3.38...	.438	.549	5	.274	.524	z	3	35.905	45.461	1.144	3.869	9.619	12.7...	2.068	H1.2-1
5	CR1B	CU3.38...	.686	0	3	.328	1.871	y	27	35.905	45.461	1.144	3.869	9.619	12.7...	1.581	H1.1-2
6	CR1A	CU3.38...	.665	0	15	.351	1.871	y	27	35.905	45.461	1.144	3.869	9.619	12.7...	1.586	H1.1-2

APPENDIX D

Additional Calculations

POD
POWER OF DESIGN

POD Job #	**20-63967**
Site Number	**806352**
Site Name	**BRG 302 943052**

Calculations Based on *TIA-222-H*

Reactions from RISA-3D

Moment	3.201	ft-kip
Axial	3.838	kips
Shear	5.084	kips

Capacities

Bolts	*4.2%*
Flange Plate	*39.0%*

Bolt Information

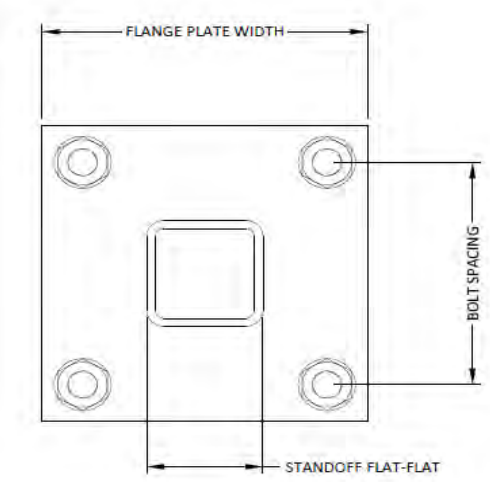
Grade	A325	
Threads in Shear Plane	Included	
Diameter	0.625	in.
Bolt Spacing	7	in.
Number of Rods	4	

Flange Plate Inforation

Width	9	in.
Thickness	0.625	in.
Grade	A36	

Standoff Information

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



Bolt Calculations

ϕ	0.75	
A_{nt}	0.226	in^2
A_b	0.307	in^2
Fu	120	ksi
ϕR_{nV}	13.81	kips
ϕR_{nt}	20.34	kips
V	1.27	kips
F	3.70	kips
Capacity	4.2%	

Flange Plate Calculations

ϕ	0.9	
Fy	36	ksi
t_{min}	0.22	in
Z	0.9	in^3
ϕM_n	28.5	in-kip
M_u	11.1	in-kip
Capacity	39.0%	

Ver 1.0 - 3/5/2019

APPENDIX E

ATC Wind Speed

Hazards by Location

Search Information

Coordinates: 41.072431, -73.478167

Elevation: 66 ft

Timestamp: 2020-05-06T11:24:48.048Z

Hazard Type: Wind

ASCE 7-16

MRI 10-Year	75 mph
MRI 25-Year	83 mph
MRI 50-Year	90 mph
MRI 100-Year	97 mph
Risk Category I	107 mph
Risk Category II	117 mph
Risk Category III	127 mph
Risk Category IV	⚠ 131 mph

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

ASCE 7-10

MRI 10-Year	76 mph
MRI 25-Year	86 mph
MRI 50-Year	92 mph
MRI 100-Year	98 mph
Risk Category I	110 mph
Risk Category II	120 mph
Risk Category III-IV	129 mph

ASCE 7-05

ASCE 7-05 Wind Speed	⚠ 109 mph

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

The results indicated here DO NOT reflect any state or local amendments to the values or any delineation lines made during the building code adoption process. Users should confirm any output obtained from this tool with the local Authority Having Jurisdiction before proceeding with design.

Disclaimer

Hazard loads are interpolated from data provided in ASCE 7 and rounded up to the nearest whole integer. Per ASCE 7, islands and coastal areas outside the last contour should use the last wind speed contour of the coastal area – in some cases, this website will extrapolate past the last wind speed contour and therefore, provide a wind speed that is slightly higher. NOTE: For queries near wind-borne debris region boundaries, the resulting determination is sensitive to rounding which may affect whether or not it is considered to be within a wind-borne debris region.

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

Exhibit F

Power Density/RF Emissions Report

RF EMISSIONS COMPLIANCE REPORT

Crown Castle on behalf of AT&T Mobility, LLC

BU: 806352
Site: BRG 302 943052
Order ID: 517060
126 Ledge Road
Darien, CT
6/9/2020

Report Status:

The Site is Compliant

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

Signed 09 June 2020

Prepared By:

Site Safe, LLC

8618 Westwood Center Drive
Suite 315

Vienna, VA 22182

Voice: 703-276-1100
Fax: 703-276-1169

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

My signature on the cover of this document indicates:

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

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

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

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

That the technical information serving as the basis for this report was supplied by Crown Castle on behalf of AT&T Mobility, LLC (see attached Site Summary and Carrier documents) and that AT&T Mobility, LLC's installation involves communications equipment, antennas and associated technical equipment at a location referred to as "BRG 302 943052" ("the site"); and

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

That in addition to the emitters specified in the worksheet, there are additional collocated point-to-point microwave facilities on this structure, and the antennas used are highly directional and oriented at angles at or just below the horizontal, and that the energy present at ground level is typically so low as to be considered insignificant and has not been included in this analysis (a list of microwave antennas is included); and

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

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

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

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

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

That when applying the uncontrolled environment standards, the predicted Maximum Power Density at two meters above ground level from the proposed AT&T Mobility, LLC operation is no more than 1.633% of the maximum permissible exposure limits in any accessible area on the ground; and

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

That when applying the uncontrolled environment standards, the cumulative predicted energy density from the proposed operation is no more than 3.721% of the maximum in any accessible area up to two meters above the ground per OET 65; and

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

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

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

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

Crown Castle
BRG 302 943052
Site Summary

Carrier	Area Maximum Percentage MPE
AT&T Mobility, LLC	0.176 %
AT&T Mobility, LLC	0.438 %
AT&T Mobility, LLC	0.488 %
AT&T Mobility, LLC	0.189 %
AT&T Mobility, LLC (Proposed)	0.342 %
Sprint	0.186 %
Sprint	0.260 %
Sprint	0.103 %
T-Mobile	0.195 %
T-Mobile	0.159 %
T-Mobile	0.203 %
T-Mobile	0.095 %
Verizon Wireless	0.181 %
Verizon Wireless	0.195 %
Verizon Wireless	0.233 %
Verizon Wireless	0.278 %
Composite Site MPE:	3.721 %

AT&T Mobility, LLC
BRG 302 943052
Carrier Summary

Frequency:	850	MHz
Maximum Permissible Exposure (MPE):	566.67	$\mu W/cm^2$
Maximum power density at ground level:	0.99562	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.17570	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
Powerwave	7770.00	89	22	1094	0.553133	0.097612	0.854965	0.150876
Powerwave	7770.00	89	142	1094	0.553133	0.097612	0.854965	0.150876
Powerwave	7770.00	89	262	1094	0.553133	0.097612	0.854965	0.150876

AT&T Mobility, LLC
BRG 302 943052
Carrier Summary

Frequency:	2300	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu W/cm^2$
Maximum power density at ground level:	4.38142	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.43814	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
CCI	OPA-65R-LCUU-H6	89	75	3206	3.639488	0.363949	4.332564	0.433256
CCI	OPA-65R-LCUU-H6	89	195	3206	3.639488	0.363949	4.332564	0.433256
CCI	OPA-65R-LCUU-H8	89	315	2917	3.147543	0.314754	3.808701	0.380870

AT&T Mobility, LLC
BRG 302 943052
Carrier Summary

Frequency:	2100	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu W/cm^2$
Maximum power density at ground level:	4.87712	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.48771	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
Quintel	QS66512-2	89	75	7182	2.849395	0.284940	4.784830	0.478483
Quintel	QS66512-2	89	195	7182	2.849395	0.284940	4.784830	0.478483
CCI	TPA-65R-LCUUUU-H8	89	315	5973	2.378185	0.237819	4.125974	0.412597

AT&T Mobility, LLC
BRG 302 943052
Carrier Summary

Frequency:	1900	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu W/cm^2$
Maximum power density at ground level:	1.88696	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.18870	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
Quintel	QS66512-2	89	75	3127	0.857442	0.085744	1.783007	0.178301
Quintel	QS66512-2	89	195	3127	0.857442	0.085744	1.783007	0.178301
CCI	TPA-65R-LCUUUU-H8	89	315	2919	0.743242	0.074324	1.743059	0.174306

AT&T Mobility, LLC (Proposed)
BRG 302 943052
Carrier Summary

Frequency:	700	MHz
Maximum Permissible Exposure (MPE):	466.67	$\mu W/cm^2$
Maximum power density at ground level:	1.59694	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.34220	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
CCI	HPA65R-BU6A	89	75	1410	0.572863	0.122756	0.590470	0.126529
CCI	OPA-65R-LCUU-H6	89	75	942	0.355606	0.076201	0.416753	0.089304
CCI	HPA65R-BU6A	89	195	1410	0.572863	0.122756	0.590470	0.126529
CCI	OPA-65R-LCUU-H6	89	195	942	0.355606	0.076201	0.416753	0.089304
CCI	HPA65R-BU8A	89	315	1656	0.513850	0.110111	0.995432	0.213307
CCI	OPA-65R-LCUU-H8	89	315	1007	0.347248	0.074410	0.409377	0.087724

Sprint
BRG 302 943052
Carrier Summary

Frequency:	2500	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu W/cm^2$
Maximum power density at ground level:	1.85611	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.18561	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
RFS	APXVTM14-ALU-I20	119	350	6168	0.637775	0.063777	1.193471	0.119347
RFS	APXVTM14-ALU-I20	119	80	6168	0.637775	0.063777	1.193471	0.119347
RFS	APXVTM14-ALU-I20	119	220	6168	0.637775	0.063777	1.193471	0.119347

Sprint
BRG 302 943052
Carrier Summary

Frequency:	1900	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu W/cm^2$
Maximum power density at ground level:	2.60284	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.26028	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
RFS	APXVSPP18-C-A20	119	350	7608	1.081460	0.108146	1.922112	0.192211
RFS	APXVSPP18-C-A20	119	80	7608	1.081460	0.108146	1.922112	0.192211
RFS	APXVSPP18-C-A20	119	220	7608	1.081460	0.108146	1.922112	0.192211

Sprint
BRG 302 943052
Carrier Summary

Frequency:	862	MHz
Maximum Permissible Exposure (MPE):	574.67	$\mu W/cm^2$
Maximum power density at ground level:	0.59343	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.10327	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
RFS	APXVSPP18-C-A20	119	350	2168	0.436993	0.076043	0.448009	0.077960
RFS	APXVSPP18-C-A20	119	80	2168	0.436993	0.076043	0.448009	0.077960
RFS	APXVSPP18-C-A20	119	220	2168	0.436993	0.076043	0.448009	0.077960

T-Mobile
BRG 302 943052
Carrier Summary

Frequency:	700	MHz
Maximum Permissible Exposure (MPE):	466.67	$\mu W/cm^2$
Maximum power density at ground level:	0.91082	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.19518	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
RFS	APXVAARR24_43-U-NA20	110	60	3484	0.743155	0.159248	0.781936	0.167558
RFS	APXVAARR24_43-U-NA20	110	180	3484	0.743155	0.159248	0.781936	0.167558
RFS	APXVAARR24_43-U-NA20	110	300	3484	0.743155	0.159248	0.781936	0.167558

T-Mobile
BRG 302 943052
Carrier Summary

Frequency:	600	MHz
Maximum Permissible Exposure (MPE):	400	$\mu W/cm^2$
Maximum power density at ground level:	0.63582	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.15896	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
RFS	APXVAARR24_43-U-NA20	110	60	2501	0.577201	0.144300	0.587868	0.146967
RFS	APXVAARR24_43-U-NA20	110	180	2501	0.577201	0.144300	0.587868	0.146967
RFS	APXVAARR24_43-U-NA20	110	300	2501	0.577201	0.144300	0.587868	0.146967

T-Mobile
BRG 302 943052
Carrier Summary

Frequency:	2100	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu W/cm^2$
Maximum power density at ground level:	2.03346	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.20335	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
Ericsson	AIR 21 B2A B4P	110	60	1219	0.195413	0.019541	0.224640	0.022464
Ericsson	AIR 32 B2A B66AA	110	60	2313	1.606797	0.160680	1.606797	0.160680
Ericsson	AIR 21 B2A B4P	110	180	1219	0.195413	0.019541	0.224640	0.022464
Ericsson	AIR 32 B2A B66AA	110	180	2313	1.606797	0.160680	1.606797	0.160680
Ericsson	AIR 21 B2A B4P	110	300	1219	0.195413	0.019541	0.224640	0.022464
Ericsson	AIR 32 B2A B66AA	110	300	2313	1.606797	0.160680	1.606797	0.160680

T-Mobile
BRG 302 943052
Carrier Summary

Frequency:	1900	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu W/cm^2$
Maximum power density at ground level:	0.95461	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.09546	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
Ericsson	AIR 21 B2A B4P	110	60	1219	0.195413	0.019541	0.224640	0.022464
Ericsson	AIR 32 B2A B66AA	110	60	2313	0.370769	0.037077	0.426225	0.042622
Ericsson	AIR 21 B2A B4P	110	180	1219	0.195413	0.019541	0.224640	0.022464
Ericsson	AIR 32 B2A B66AA	110	180	2313	0.370769	0.037077	0.426225	0.042622
Ericsson	AIR 21 B2A B4P	110	300	1219	0.195413	0.019541	0.224640	0.022464
Ericsson	AIR 32 B2A B66AA	110	300	2313	0.370769	0.037077	0.426225	0.042622

Verizon Wireless
BRG 302 943052
Carrier Summary

Frequency:	1900	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu W/cm^2$
Maximum power density at ground level:	1.81125	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.18112	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
ANDREW	HBXX-6516DS-A2M	101	30	3726	0.819067	0.081907	1.756010	0.175601
ANDREW	HBXX-6516DS-A2M	101	150	3726	0.819067	0.081907	1.756010	0.175601
ANDREW	HBXX-6516DS-A2M	101	270	3726	0.819067	0.081907	1.756010	0.175601

Verizon Wireless
BRG 302 943052
Carrier Summary

Frequency:	751	MHz
Maximum Permissible Exposure (MPE):	500.67	$\mu W/cm^2$
Maximum power density at ground level:	0.97497	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.19473	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
Kathrein-Scala	800 10735V01	101	30	2416	0.656428	0.131111	0.866472	0.173064
Kathrein-Scala	800 10735V01	101	150	2416	0.656428	0.131111	0.866472	0.173064
Kathrein-Scala	800 10735V01	101	270	2416	0.656428	0.131111	0.866472	0.173064

Verizon Wireless
BRG 302 943052
Carrier Summary

Frequency:	2100	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu W/cm^2$
Maximum power density at ground level:	2.33108	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.23311	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
ANDREW	HBXX-6516DS-A2M	101	30	4307	1.347028	0.134703	2.301046	0.230105
ANDREW	HBXX-6516DS-A2M	101	150	4307	1.347028	0.134703	2.301046	0.230105
ANDREW	HBXX-6516DS-A2M	101	270	4307	1.347028	0.134703	2.301046	0.230105

Verizon Wireless
BRG 302 943052
Carrier Summary

Frequency:	850	MHz
Maximum Permissible Exposure (MPE):	566.67	$\mu W/cm^2$
Maximum power density at ground level:	1.57693	$\mu W/cm^2$
Highest percentage of Maximum Permissible Exposure:	0.27828	%

					On Axis		Area	
Antenna Make	**Model**	**Height (feet)**	**Orientation (degrees true)**	**ERP (Watts)**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**	**Max Power Density ($\mu W/cm^2$)**	**Percent of MPE**
ANDREW	DB844G65ZAXY	101	30	1775	0.744096	0.131311	0.782591	0.138104
ANDREW	DB844G65ZAXY	101	30	1775	0.744096	0.131311	0.782591	0.138104
ANDREW	DB844G65ZAXY	101	150	1775	0.744096	0.131311	0.782591	0.138104
ANDREW	DB844G65ZAXY	101	150	1775	0.744096	0.131311	0.782591	0.138104
ANDREW	DB844G65ZAXY	101	270	1775	0.744096	0.131311	0.782591	0.138104
ANDREW	DB844G65ZAXY	101	270	1775	0.744096	0.131311	0.782591	0.138104

BRG 302 943052
Composite Microwave Antenna Summary

Carrier	Antenna Make/Model	Height (feet)
Clearwire Corp	Andrew VHLP2-11	94
Clearwire Corp	Andrew VHLP1-23	95
Clearwire Corp	Andrew VHLP800-11	94
Clearwire Corp	Andrew VHLP1-23	92