



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

September 22, 2020

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

**RE: Notice of Exempt Modification for AT&T - Crown Site 876360
389 Route 2, Preston, CT 06365
Latitude: 41° 29' 25.25"/ Longitude: -71° 59' 29.55"**

Dear Ms. Bachman:

AT&T currently maintains nine (9) antennas at the 116-foot mount of the existing 147-foot Monopole Tower located at 389 Route 2, Preston, Connecticut 06365. The tower is owned by Crown Castle and the property is owned by The Town of Preston. AT&T now proposes to replace three (3) existing antennas with three (3) new antennas. AT&T is also proposing tower mount modification as shown on the enclosed Mount Analysis.

The Connecticut Siting Council's Telecommunications Database provides the Council approved tower sharing at an existing telecommunications facility located at 389 Route 2, Preston, Connecticut pursuant to TS-VER-114-001117. This only speaks to tower sharing and not the approval of the original tower. A diligent search of available records was not fruitful for obtaining a copy of the original tower approval.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.S.C.A. § 16-50j-73, a copy of this letter is being sent to The Honorable Sandra Allyn-Gauthier, First Selectwoman for the Town of Preston, as both the municipality and property owner, as well as Ms. Kathy Warzecha, Town Planner for the Town of Preston.

1. The proposed modifications will not result in an increase in the height of the existing tower.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.

The Foundation for a Wireless World.

CrownCastle.com

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

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

Attachments:

Tab A: Exhibit-1: Compound Plan and Elevation Depicting the Planned Changes
Tab B: Exhibit-2: Structural Modification Report
Tab C: Exhibit-3: General Power Density Table Report (RF Emissions Analysis Report)

cc: Sandra Allyn-Gauthier, First Selectwoman (via email only to allyngauthier@preston-ct.org)
Town of Preston
389 Route 2
Preston, CT 06365
(860) 887-5581 ext. 105

Kathy Warzecha, Town Planner (via email only to kwarzecha@preston-ct.org)
Planning & Zoning Department
Town Hall
389 Route 2
Preston, CT 06365

From: [Zsamba, Anne Marie](#)
To: kwarzecha@preston-ct.org
Subject: Notice of Exempt Modification - AT&T - 389 Route 2
Date: Tuesday, September 22, 2020 11:10:00 AM
Attachments: [EM-AT&T-389 RT 2 PRESTON-876360-notice.pdf](#)

Dear Town Planner Warzecha:

Attached please find AT&T's exempt modification application that is being submitted to the Connecticut Siting Council today, September 22, 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: ["allyngauthier@preston-ct.org"](mailto:allyngauthier@preston-ct.org)
Subject: Notice of Exempt Modification - AT&T - 389 Route 2
Date: Tuesday, September 22, 2020 11:11:00 AM
Attachments: [EM-AT&T-389 RT 2 PRESTON-876360-notice.pdf](#)

Dear First Selectwoman Allyn-Gauthier:

Attached please find AT&T's exempt modification application that is being submitted to the Connecticut Siting Council today, September 22, 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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CROWN CASTLE
3 Corporate Park Drive, Suite 101
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CrownCastle.com

Exhibit A

Property Card

389 ROUTE 2

Location	389 ROUTE 2	Mblu	24-0/ 2/ 389/ /
Acct#	00173000	Owner	PRESTON TOWN OF
Assessment	\$664,300	Appraisal	\$948,950
PID	1758	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2017	\$500,600	\$448,350	\$948,950
Assessment			
Valuation Year	Improvements	Land	Total
2017	\$350,500	\$313,800	\$664,300

Owner of Record

Owner	PRESTON TOWN OF	Sale Price	\$17,500
Co-Owner	389 ROUTE 2	Certificate	
Address	389 ROUTE 2	Book & Page	0056/0174
	PRESTON, CT 06365	Sale Date	09/26/1973
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
PRESTON TOWN OF	\$17,500		0056/0174	00	09/26/1973
PRESTON TOWN OF	\$0		0056/0171		09/26/1973

Building Information

Building 1 : Section 1

Year Built:	1974
Living Area:	5,292
Replacement Cost:	\$669,068
Building Percent Good:	71

Replacement Cost
Less Depreciation: \$475,000

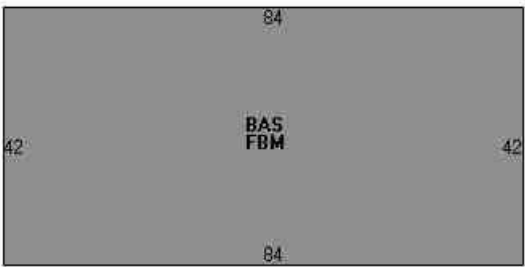
Building Attributes	
Field	Description
STYLE	City/Town Hall
MODEL	Comm/Ind
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Brick/Masonry
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F GlS/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Floor 1	Inlaid Sht Gds
Interior Floor 2	
Heating Fuel	Electric
Heating Type	Electr Basebrd
AC Type	None
Struct Class	
Bldg Use	MUN TOWN MDL-94
Total Rooms	
Total Bedrms	00
Total Baths	3
Usrflid 218	
Usrflid 219	
1st Floor Use:	903C
Heat/AC	HEAT/AC SPLIT
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	10.00
% Comn Wall	0.00

Building Photo



(http://images.vgsi.com/photos/PrestonCTPhotos//00\00\15\27.jpg)

Building Layout



(http://images.vgsi.com/photos/PrestonCTPhotos//Sketches/1758_1758.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	3,528	3,528
FBM	Basement, Finished	3,528	1,764
		7,056	5,292

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
A/C	AIR CONDITION	3528.00 S.F.	\$8,800	1

GEN	GENERATOR	1.00 UNITS	\$3,900	1
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Land

Land Use		Land Line Valuation	
Use Code	9035	Size (Acres)	25.86
Description	MUN TOWN MDL-96	Frontage	0
Zone	R-C	Depth	0
Neighborhood	8000	Assessed Value	\$313,800
Alt Land Appr Category	No	Appraised Value	\$448,350

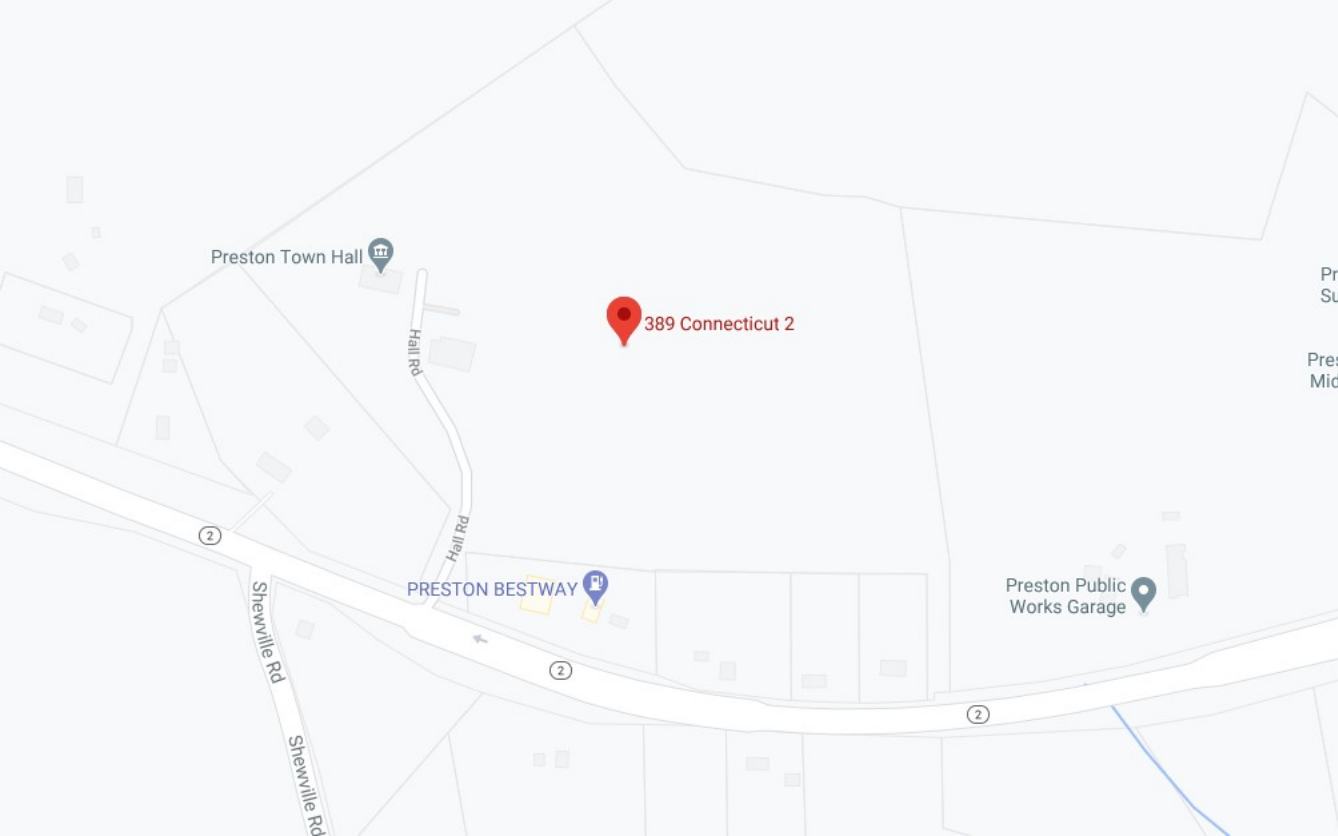
Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
LT1	LIGHTS-IN W/PL			6.00 UNITS	\$1,200	1
PAV1	PAVING-ASPHALT			20000.00 S.F.	\$10,800	1
IMP	IMPLEMENT SHED			120.00 S.F.	\$500	1
IMP	IMPLEMENT SHED			100.00 S.F.	\$400	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2011	\$459,600	\$503,400	\$963,000
2006	\$325,800	\$253,400	\$579,200
2001	\$245,200	\$39,700	\$284,900

Assessment			
Valuation Year	Improvements	Land	Total
2011	\$321,800	\$352,400	\$674,200
2006	\$228,100	\$177,400	\$405,500
2001	\$171,600	\$27,800	\$199,400



389B ROUTE 2

Location	389B ROUTE 2	Mblu	24-0/ 2/ 389B/ /
Acct#	00173001	Owner	VERIZON WIRELESS
Assessment	\$80,500	Appraisal	\$115,000
PID	100922	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2017	\$17,000	\$98,000	\$115,000
Assessment			
Valuation Year	Improvements	Land	Total
2017	\$11,900	\$68,600	\$80,500

Owner of Record

Owner	VERIZON WIRELESS	Sale Price	\$0
Co-Owner		Certificate	
Address	PO BOX 2549 ADDISON, TX 75001	Book & Page	0001/0001
		Sale Date	01/01/1900
		Instrument	1N

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
VERIZON WIRELESS	\$0		0001/0001	1N	01/01/1900

Building Information

Building 1 : Section 1

Year Built:	
Living Area:	0
Replacement Cost:	\$0
Building Percent Good:	
Replacement Cost	
Less Depreciation:	\$0
Building Attributes	

Building Photo

 Building Photo
(<http://images.vgsi.com/photos/PrestonCTPhotos//default.jpg>)

Field	Description
Style	Outbuildings
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Num Kitchens	
Cndtn	
Usrflid 103	
Usrflid 104	
Usrflid 105	
Usrflid 106	
Usrflid 107	
Num Park	
Fireplaces	
Usrflid 108	
Usrflid 101	
Usrflid 102	
Usrflid 100	
Usrflid 300	
Usrflid 301	

Building Layout



Building Layout

(http://images.vgsi.com/photos/PrestonCTPhotos//Sketches/100922_10048

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

Extra Features	Legend
No Data for Extra Features	

Land

Land Use	Land Line Valuation
Use Code 4310	Size (Acres) 0.00
Description TEL REL TW	Frontage
Zone R-60	Depth
Neighborhood	Assessed Value \$68,600
Alt Land Appr No	Appraised Value \$98,000
Category	

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
FN3	FENCE-6' CHAIN			240.00 L.F.	\$1,800	1
SHD6	SHED COMM MAS			140.00 S.F.	\$3,000	1
PAT2	PATIO-GOOD			40.00 S.F.	\$200	1
GENR	GENERATOR			1.00 UNIT	\$12,000	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2011	\$4,800	\$98,000	\$102,800
2006	\$5,700	\$75,000	\$80,700
2001	\$0	\$100	\$100

Assessment			
Valuation Year	Improvements	Land	Total
2011	\$3,400	\$68,600	\$72,000
2006	\$4,000	\$52,500	\$56,500
2001	\$0	\$100	\$100

Exhibit B

Construction Drawings



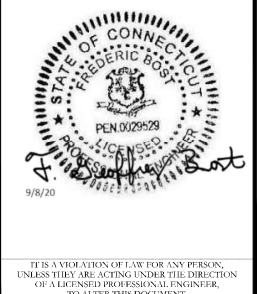
AT&T SITE NUMBER: CT5721
AT&T SITE NAME: PRESTON SOUTH EAST
AT&T FA CODE: 10071209
AT&T PACE NUMBER: MRCTB047157, MRCTB047312, MRCTB047296, MRCTB048188, MRCTB048199
AT&T PROJECT: LTE 2C[700 UPPER D], 4TX4RX SOFTWARE RETROFIT[700 B-C], 5G NR 1 DR-1[850 B(U)], LTE 3C [PCS MHZ A3+A4+E], LTE 4C [AWS1_3 F+J]

BUSINESS UNIT #: 876360
SITE ADDRESS: 389 ROUTE 2
PRESTON, CT 06365
COUNTY: NEW LONDON
SITE TYPE: MONOPOLE
TOWER HEIGHT: 147'



AT&T SITE NUMBER: CT5721
BU #: 876360
PRESTON / TOWN HALL
389 ROUTE 2
PRESTON, CT 06365
EXISTING 147' MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DIS./QA
1	09/09/2020	AS	CONSTRUCTION	AS



SHEET NUMBER: T-1
REVISION: 0

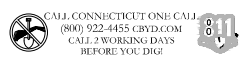
SITE INFORMATION

CROWN CASTLE USA INC. PRESTON / TOWN HALL
SITE NAME:
SITE ADDRESS: 389 ROUTE 2
PRESTON, CT 06365
COUNTY: NEW LONDON
MAP/PARCEL #: 100922
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 41° 29' 25.25"
LONGITUDE: -71° 59' 29.55"
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 138'
CURRENT ZONING: R-60
JURISDICTION: TOWN OF PRESTON
OCCUPANCY CLASSIFICATION: U
TYPE OF CONSTRUCTION: IIB
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER: VERIZON WIRELESS
PO BOX 2549
ADDISON, TX 75001
TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CARRIER/APPLICANT: AT&T MOBILITY
1025 LENOX PARK BOULEVARD NE
ATLANTA, GA 30319
ELECTRIC PROVIDER: NORTHEAST UTILITIES
TELCO PROVIDER: LIGHTTOWER

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
C-5	EQUIPMENT SPECS
G-1	GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM

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



LOCATION MAP



SITE PHOTO



PROJECT TEAM

A&F FIRM: ENGINEERED TOWER SOLUTIONS, PLLC
3227 WELLINGTON COURT
RALEIGH, NC 27615
CROWN@ESOLUTIONS.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS: 6325 ANDREW KELL ROAD, SUITE 600
CHARLOTTE, NC 28277
NOTE:
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER.

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (2) KMW - AMX-CD-17-65-00T-RFT ANTENNAS
- REMOVE (1) ANDREW - SNBH-1D656C ANTENNA
- REMOVE (3) ERICSSON - RUS-11 B12 RRUs
- ROTATE MOUNT TO MATCH LTE AZIMUTHS
- 160' CRANE WILL BE NEEDED FOR MOUNT MODIFICATION AND EQUIPMENT INSTALLATION AT 116' AGL ON A 147' MONOPOLE
- INSTALL PLATFORM HAND RAIL KIT
- INSTALL (5) CCI - OPAGSR-BURDA ANTENNAS
- INSTALL (5) CCI - DMP6SR-BURDA ANTENNAS
- INSTALL (5) ERICSSON - 4449 B5/B12 RRUs
- INSTALL (5) ERICSSON - 4478 B14 RRUs
- INSTALL (3) ERICSSON - 8843 B2/B6A RRUs
- INSTALL (3) BACK TO BACK MOUNTS
- INSTALL (1) RAYCAP - DC9-48-60-24-8C-EV SQUID
- INSTALL (1) FIBER CABLE
- INSTALL (5) DC CABLES
- INSTALL (2) INNER DUCTS FOR CABLEING

GROUND SCOPE OF WORK:

- INSTALL (9) UP CONVERTERS
- INSTALL (18) TOTAL 48VDC CONVERTERS
- INSTALL (1) DC12-48-60-0-25E
- INSTALL (1) 6630
- INSTALL (1) IDLE CABLE

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 THOSE CODES.

CODE TYPE	CODE
BUILDING	2015 IBC
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: PAUL J. FORD AND COMPANY
DATE: 07/22/2020
MOUNT ANALYSIS: POD GROUP
DATE: 07/15/2020
RFDS REVISION: 3
DATE: 07/17/2020
ORDER ID: 517089
REVISION: 2

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 OF 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 DISCREPANCIES 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 ON-SITE 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 GAS-STD-10608 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND ANSI/ETIA-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. MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND ORDERS OF WORK 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 REQUEST UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION. 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 PIERIS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE, BUT NOT BE LIMITED TO A) FALL PROTECTION BY CONTROLLED SPACE; C) ELECTRICAL SAFETY; D) TRENCHING AND EXCAVATION; E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS SHOWN 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, RUBBER, 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 RELOCATED AS DIRECTED BY CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES 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 SPECIFICATIONS FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GESS) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE TEST RESULTS OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SPECIFYING 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 ETS 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 ETS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR ETS.
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 CONDUIT OR COPPER CLAD STEEL CONDUIT SHALL NOT BE USED FOR GROUNDING CONDUIT UNLESS OTHERWISE SPECIFIED.
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 CONNECTIONS SHALL BE EXOTHERMICALLY BONDED, BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTI-OXIDANT 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 SUPPORTS, 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 SUPPORTS OR SLEEVES THROUGH METAL OR FIBERGLASS. SUCH IT IS REQUIRED TO MEET CODE REQUIREMENTS FOR LIGHTNING PROTECTION. IF SUCH A RING AROUND THE CONDUCTOR IS UNAVOIDABLE, THE METAL 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 AN UL LISTED GROUND SEAL AS WELL.
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
CARRIER: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
TOWER OWNER: CROWN CASTLE USA INC.
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 CONSTRUCTION AND 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 DISCREPANCIES 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.
2. 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.
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 CONFORM 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 AND METHODS OF INSTALLATION 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 THE INSTALLATION 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, TOWER 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 10 MINUTES ELAPSE FROM BATCH TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90° AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE STANDARD 80 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
5. 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 1-1/2"
#4 BARS AND SMALLER 1-1/4"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
SLAB AND WALLS 3/4"
BEAMS AND COLUMNS 1-1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SHOWN ON THE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. 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 CONSTRUCTION AND 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 DISCREPANCIES 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.
- 4.1. ALL EQUIPMENT SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 4.2. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO THE UNDERWRITERS LABORATORIES LISTED IN THE NATIONAL ELECTRICAL CODE.
- 4.3. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT AVAILABLE AT THE LOCATION WHERE SUBJECTED, 22,000 ACI MINIMUM. VEHICULAR 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 THE 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 THWN, THHN, 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 THWN, THHN, 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 TO CABLE (#14 OR LARGER), WITH TYPE THWN, THHN, 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 (167° C IF AVAILABLE).
14. RACEWAY AND METAL TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRIC/METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (MC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRIC/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/90° AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. BETTER FOR EXTERIOR LOCATIONS.
19. LIQUID-TITE FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
20. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
21. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
22. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREDMOLD SPECIMATE WIREWAY).
23. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
24. 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. CLOSURE FOLLOW THE DESIGNATED LOCATION.
25. IN DIRECTOR TO ROUTE OUTDOOR CABLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND GELING 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 BUSHINGS ON INSIDE AND GALVANIZED MALLEABLE IRON LOOKOUT ON OUTSIDE AND INSIDE.
26. 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.
27. 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.
28. 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.
29. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS, THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS FOR SAFETY.
30. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "ATAT".
31. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE


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

** SEE NIS 210-50(1) AND (2)

** POLARITY MARKING AT TERMINATION


ABBREVIATIONS:

ANT	ANTENNA
(E)	EXISTING
IF	INTERFACE INTERFACE FRAME
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GSM	GLOBAL SYSTEM FOR MOBILE
LTE	LONG TERM EVOLUTION
MB	MASTER GROUND BAR
NW	MICROWAVE
(N)	NEW
(P)	NATIONAL ELECTRIC CODE
(P)	PROPOSED
RECT	POWER PLANT
RECT	RECTIFIER
RETS	RADIO BASE STATION
RETS	REMOTE ELECTRIC TLT
RETS	REMOTE FREQUENCY DATA SHEET
RHW	REMOTE RADIO HWT
RHW	REMOTE RADIO UNIT
RHW	SMART INTEGRATED DEVICE
TWA	TOWER MOUNTED AMPLIFIER
W	WIRE
W.P.	WORK POINT




AT&T

575 MOROSGO DRIVE
ATLANTA, GA 30324-3300



CROWN CASTLE



ENGINEERED TOWER SOLUTIONS, INC.
3227 WELLINGTON COURT
RALEIGH, NC 27615

AT&T SITE NUMBER: CT5721

BU # 876360

PRESTON / TOWN HALL

389 ROUTE 2

PRESTON, CT 06365

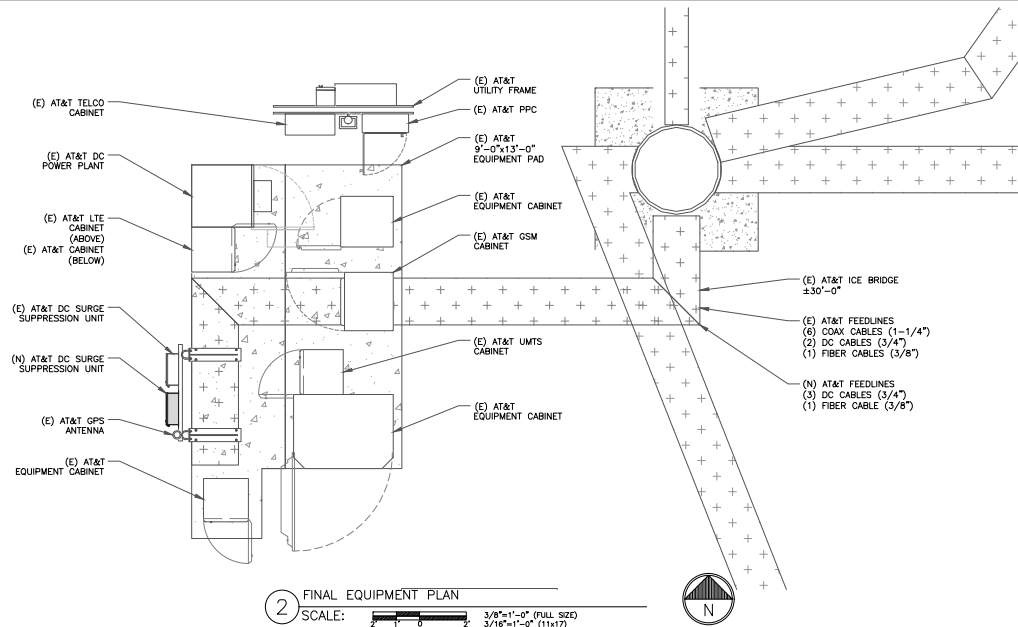
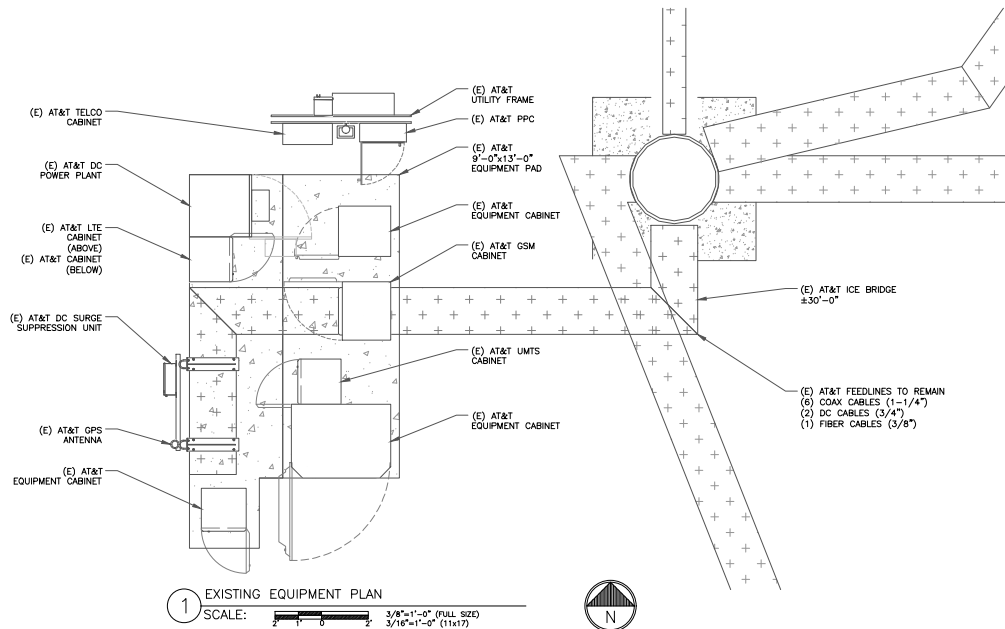
EXISTING 147' MONOPOLE

ISSUED FOR:				
REV	DATE	DESCRIPTION	DIS/VS	
1	09/09/2020	AS CONSTRUCTION	AS	
2	09/09/2020	AS CONSTRUCTION	AS	



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

SHEET NUMBER: T-2 REVISION: 0



GROUND SCOPE OF WORK:
 •INSTALL (9) UPCONVERTERS
 •INSTALL (18) TOTAL 48VDC CONVERTERS
 •INSTALL (1) DC12-48-60-0-25E
 •INSTALL (1) 6630
 •INSTALL (1) IDLE CABLE



AT&T SITE NUMBER: CT5721

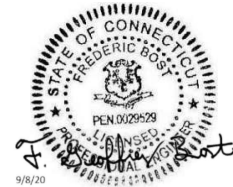
BU #: 876360
PRESTON / TOWN HALL

389 ROUTE 2
PRESTON, CT 06365

EXISTING 147' MONOPOLE

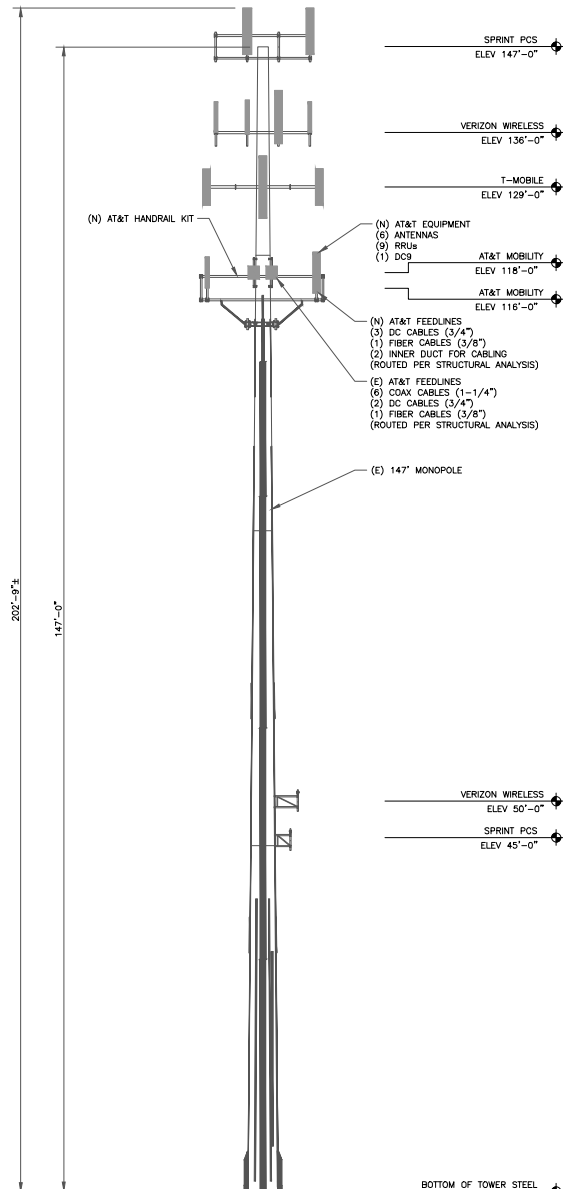
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DIS./QA
9	09/09/2020	AS	CONSTRUCTION	AS

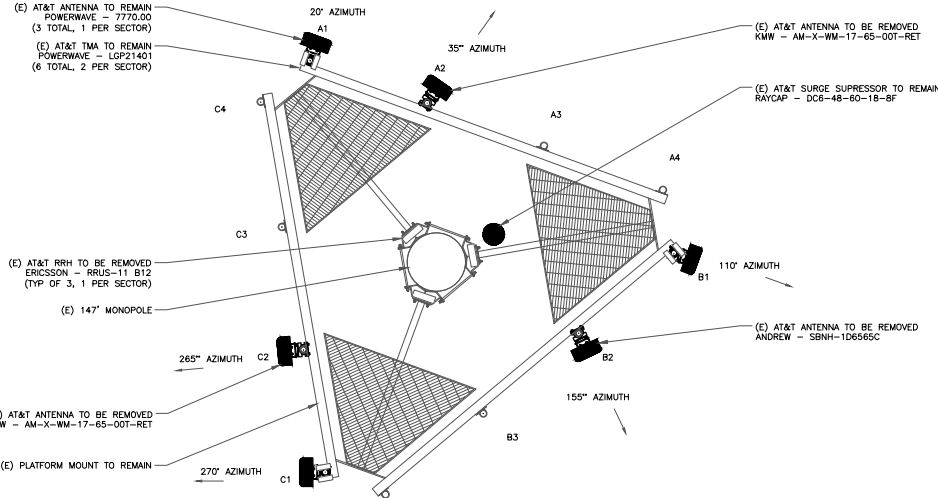


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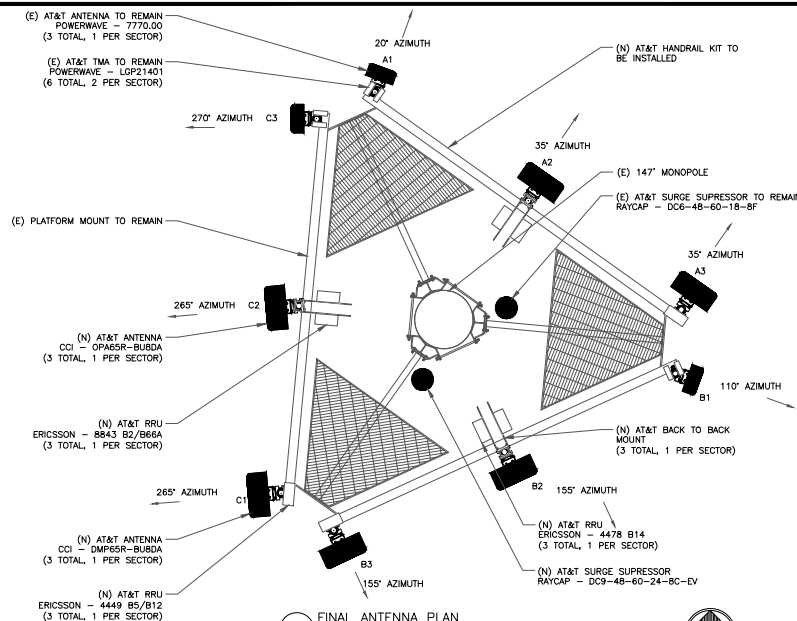
SHEET NUMBER: C-1.2
REVISION: 0



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



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



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

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

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

INSTALLER NOTES:

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



AT&T SITE NUMBER: CT5721

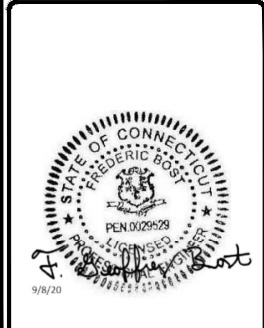
BU #: 876360
PRESTON / TOWN HALL

389 ROUTE 2
PRESTON, CT 06365

EXISTING 147' MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DLS/QA
1	09/09/2020	AS	CONSTRUCTION	AS



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SHEET NUMBER: C-2
REVISION: 0

FINAL EQUIPMENT SCHEDULE (VERIFY WITH CURRENT RFDS)																		
ALPHA																		
POSITION	ANTENNA				RADIO			DIPLEXER			TMA		SURGE PROTECTION		CABLES			
	TECH.	STATUS/MANUFACTURER MODEL	AZIMUTH	RAD CENTER	QTY.	STATUS/MODEL	LOCATION	QTY.	STATUS	LOCATION	QTY.	STATUS/MANUFACTURER MODEL	QTY.	STATUS/MODEL	QTY.	STATUS/TYPE	SIZE	LENGTH
A1	UMTS 850	(E) POWERWAVE 7770.00	20°	118°	—	—	—	2	(E)	GROUND	2	(E) POWERWAVE-LGP21401	—	—	2	(E) COAX	1-1/4"	138"-0"
A2	LTE 700 LTE 1900	(N) CCI OPA6SR-BUBDA	35°	118°	1	(N) 4478 B14	TOWER	—	—	—	—	—	1	(E) DC6-48-60-18-8F	1	(E) FIBER	3/8"	138"-0"
					1	(N) 8843 B2/B66A	TOWER	—	—	—	—	—			2	(E) DC	3/4"	138"-0"
A3	LTE 700 LTE 850 LTE AWS 5G 850	(N) CCI DMP6SR-BUBDA	35°	118°	1	(N) 4449 B5/B12	TOWER	—	—	—	—	—	—	—	—	—	—	—

BETA																		
B1	UMTS 850	(E) POWERWAVE 7770.00	110°	118°	-	-	-	2	(E)	GROUND	2	(E) POWERWAVE-LGP21401	-	-	2	(E) COAX	1-1/4"	138'-0"
B2	LTE 700 LTE 1900	(N) CCI OPA6SR-BUBDA	155°	118°	1	(N) 4478 B14	TOWER	-	-	-	-	-	1	(N) DC9-48-60-24-8C-EV	1	(N) FIBER	3/8"	138'-0"
					1	(N) 8843 B2/B66A	TOWER	-	-	-	-	3			(N) DC	3/4"	138'-0"	
B3	LTE 700 LTE 850 LTE AWS 5G 850	(N) CCI DMP6SR-BUBDA	155°	118°	1	(N) 4449 B5/B12	TOWER	-	-	-	-	-	-	-	-	-	-	-

GAMMA																	
C1	LTE 700 LTE 850 LTE AWS 5G 850	(N) CCI DMP6SR-BUBDA	265°	118°	1	(N) 4449 B5/B12	TOWER	-	-	-	-	-	-	-	-	-	-
C2	LTE 700 LTE 1900	(N) CCI OPASGR-BUBDA	265°	118°	1	(N) 4478 B14	TOWER	-	-	-	-	-	-	-	-	-	-
					1	(N) 8843 B2/B66A	TOWER	-	-	-	-	-	-	-	-	-	
C3	UMTS 850	(E) POWERWAVE 7770.00	270°	118°	-	-	-	2	(E)	GROUND	2	(E) POWERWAVE-LGP21401	-	-	2	(E) COAX	1-1/4" 138'-0"
															6	(E) COAX	1-1/4" 138'-0"
															1	(E) FIBER	3/8" 138'-0"
															2	(E) DC	3/4" 138'-0"
															1	(N) FIBER	3/8" 138'-0"
															3	(N) DC	3/4" 138'-0"

NOTE:
(E) - EXISTING
(N) - NEW

1 FINAL EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE



AT&T SITE NUMBER: CT5721

BU #: 876360
PRESTON / TOWN HALL

389 ROUTE 2
PRESTON, CT 06365

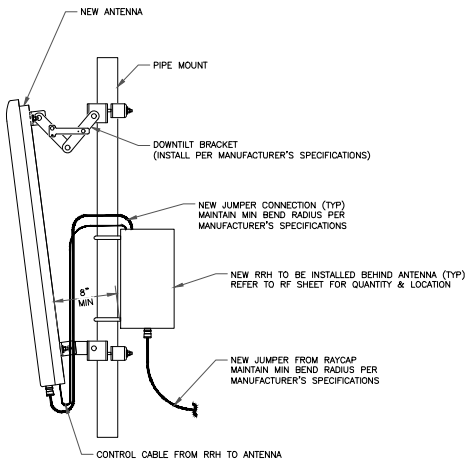
EXISTING 147' MONOPOLE

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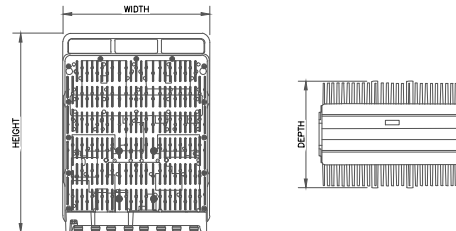
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REVISION: 0



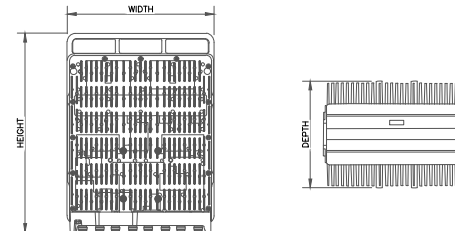
① GENERIC ANTENNA MOUNTING ELEVATION
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
15.00"	13.20"	9.30"	70.00 LBS



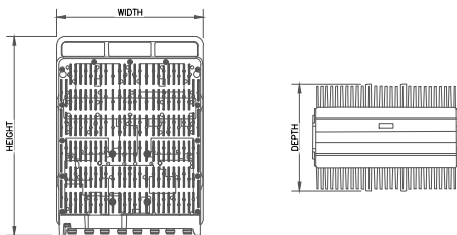
② RADIO DETAIL: ERICSSON - 4449 B5/B12
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
15.00"	13.20"	11.10"	72.00 LBS



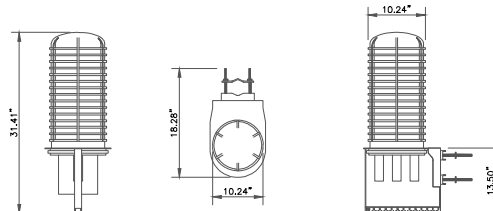
③ RADIO DETAIL: ERICSSON - 8843 B2/B66A
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
15.00"	13.20"	9.30"	70.00 LBS

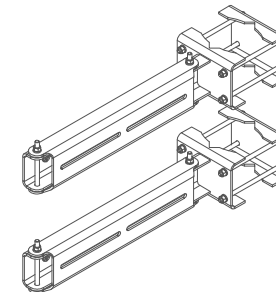


④ RADIO DETAIL: ERICSSON - 4478 B14
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
31.40"	10.24"	18.28"	16.00 LBS



⑤ SURGE SUPPRESSION UNIT DETAIL
SCALE: NOT TO SCALE



⑥ BACK TO BACK MOUNT DETAIL
SCALE: NOT TO SCALE



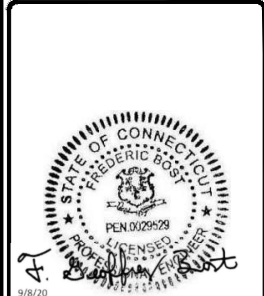
AT&T SITE NUMBER: CT5721

BU #: 876360
PRESTON / TOWN HALL

389 ROUTE 2
PRESTON, CT 06365

EXISTING 147' MONOPOLE

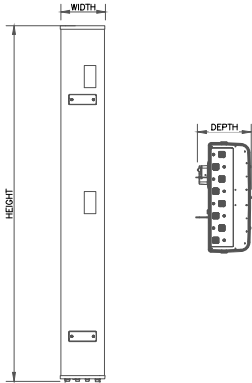
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REV	DATE	DRWN	DESCRIPTION	DLS./QA
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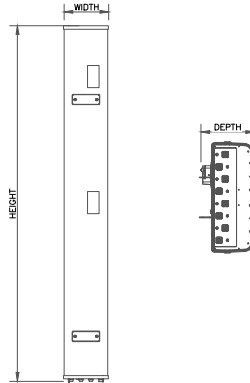
SHEET NUMBER: C-4
REVISION: 0

HEIGHT	WIDTH	DEPTH	WEIGHT
96.00"	21.00"	7.80"	76.50 LBS



① ANTENNA DETAIL: CCI - OPA65R-BU8DA
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
96.00"	20.70"	7.70"	95.70 LBS



② ANTENNA DETAIL: CCI - DMP65R-BU8DA
SCALE: NOT TO SCALE

③ NOT USED
SCALE: NOT TO SCALE

④ NOT USED
SCALE: NOT TO SCALE

⑤ NOT USED
SCALE: NOT TO SCALE

⑥ NOT USED
SCALE: NOT TO SCALE



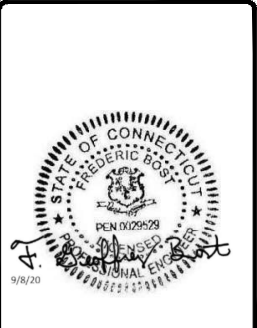
AT&T SITE NUMBER: CT5721

BU #: 876360
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389 ROUTE 2
PRESTON, CT 06365

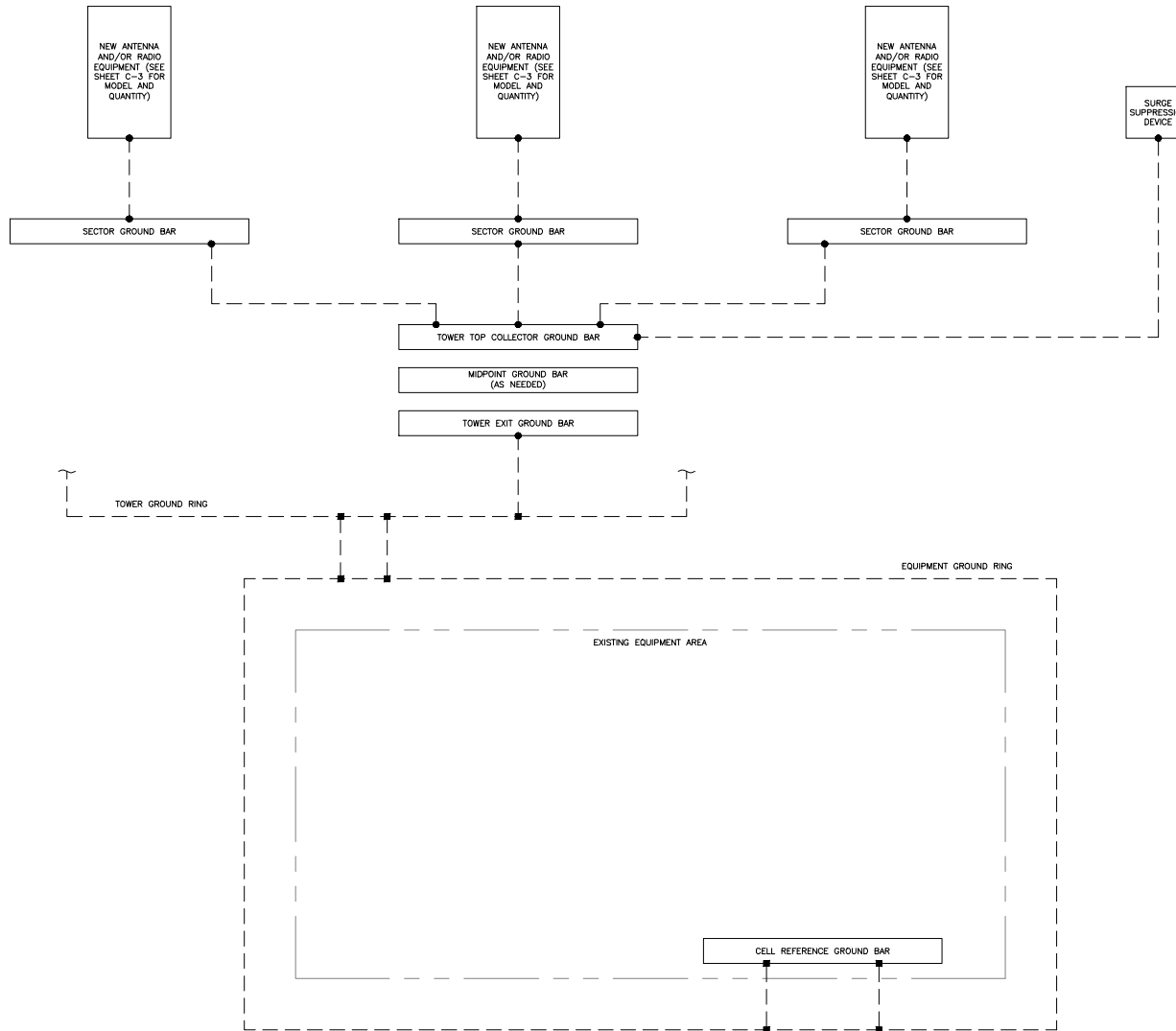
EXISTING 147' MONOPOLE

ISSUED FOR:				
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C-5	0



1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

GROUNDING PLAN LEGEND:

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

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 SITE NUMBER: CT5721

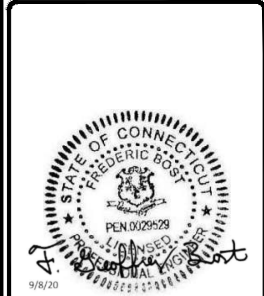
BU #: 876360
PRESTON / TOWN HALL

389 ROUTE 2
PRESTON, CT 06365

EXISTING 147' MONOPOLE

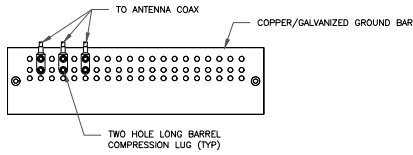
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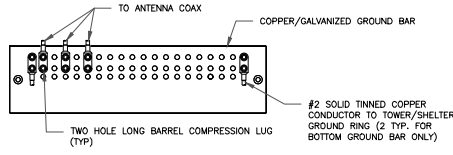
SHEET NUMBER: **G-1** REVISION: **0**



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.

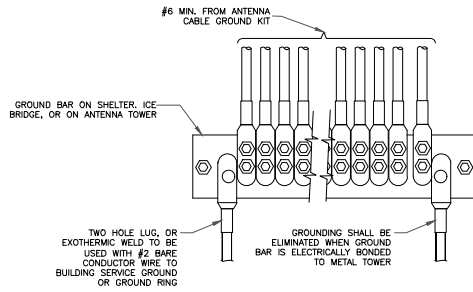
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



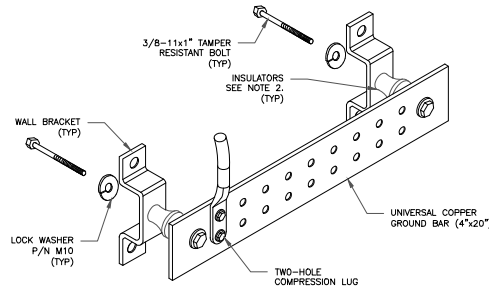
NOTES:

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



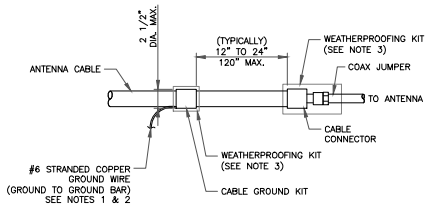
4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER. PER THE GROUNDING DOWN CONDUCTOR POLICY GAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION. CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

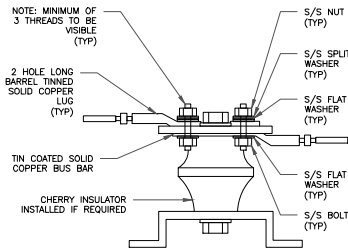
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

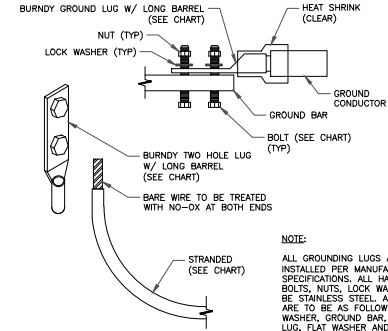
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

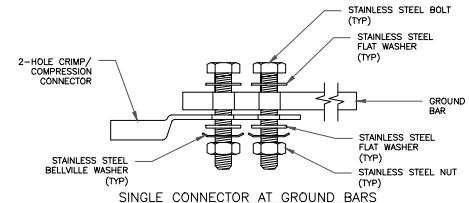
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



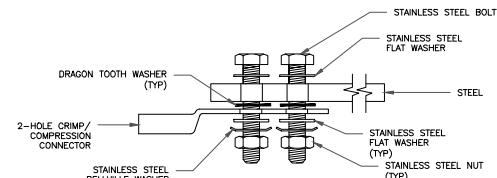
NOTE:

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.

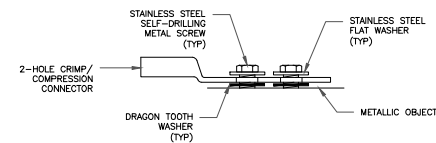
3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS



SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



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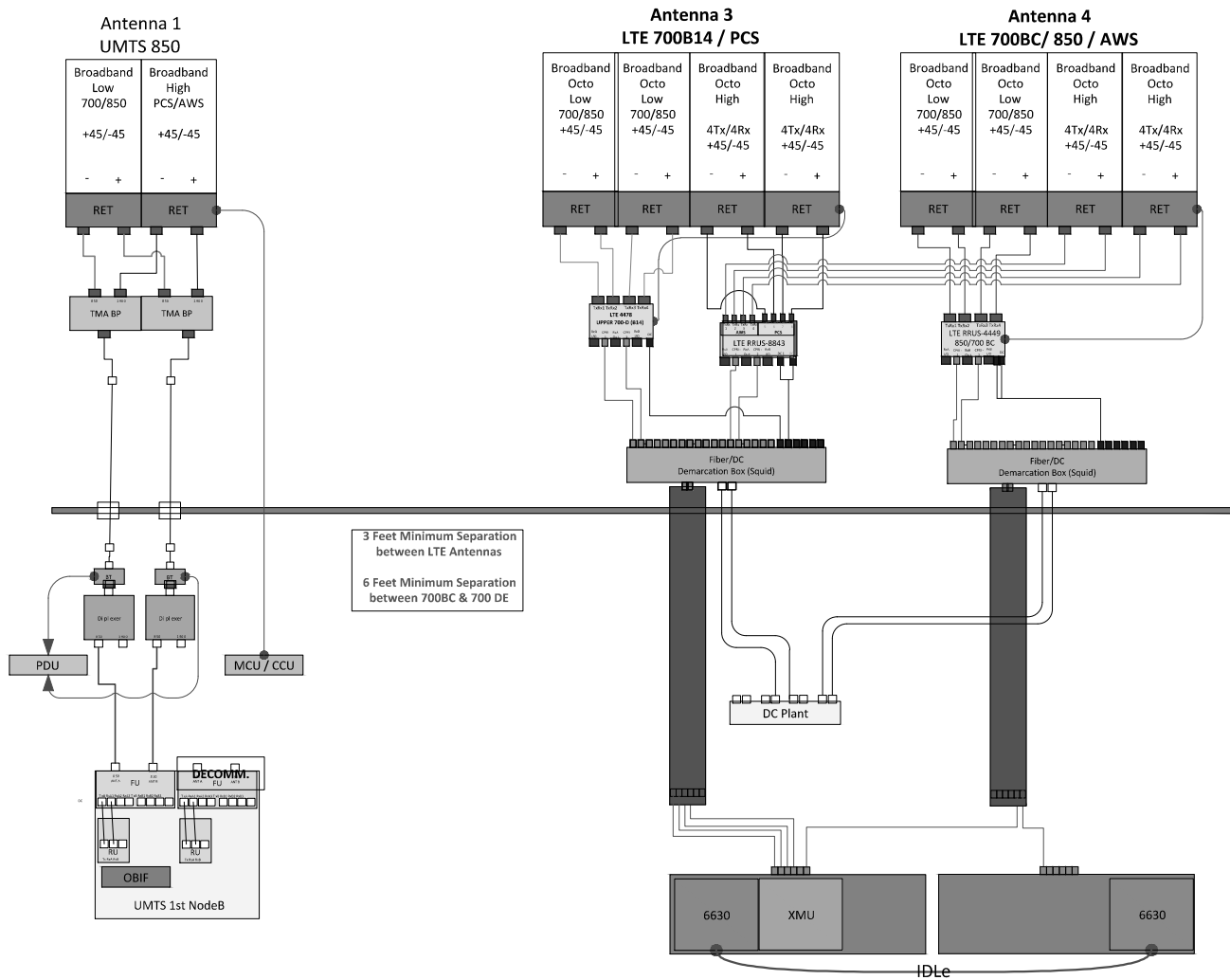
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G-2

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0



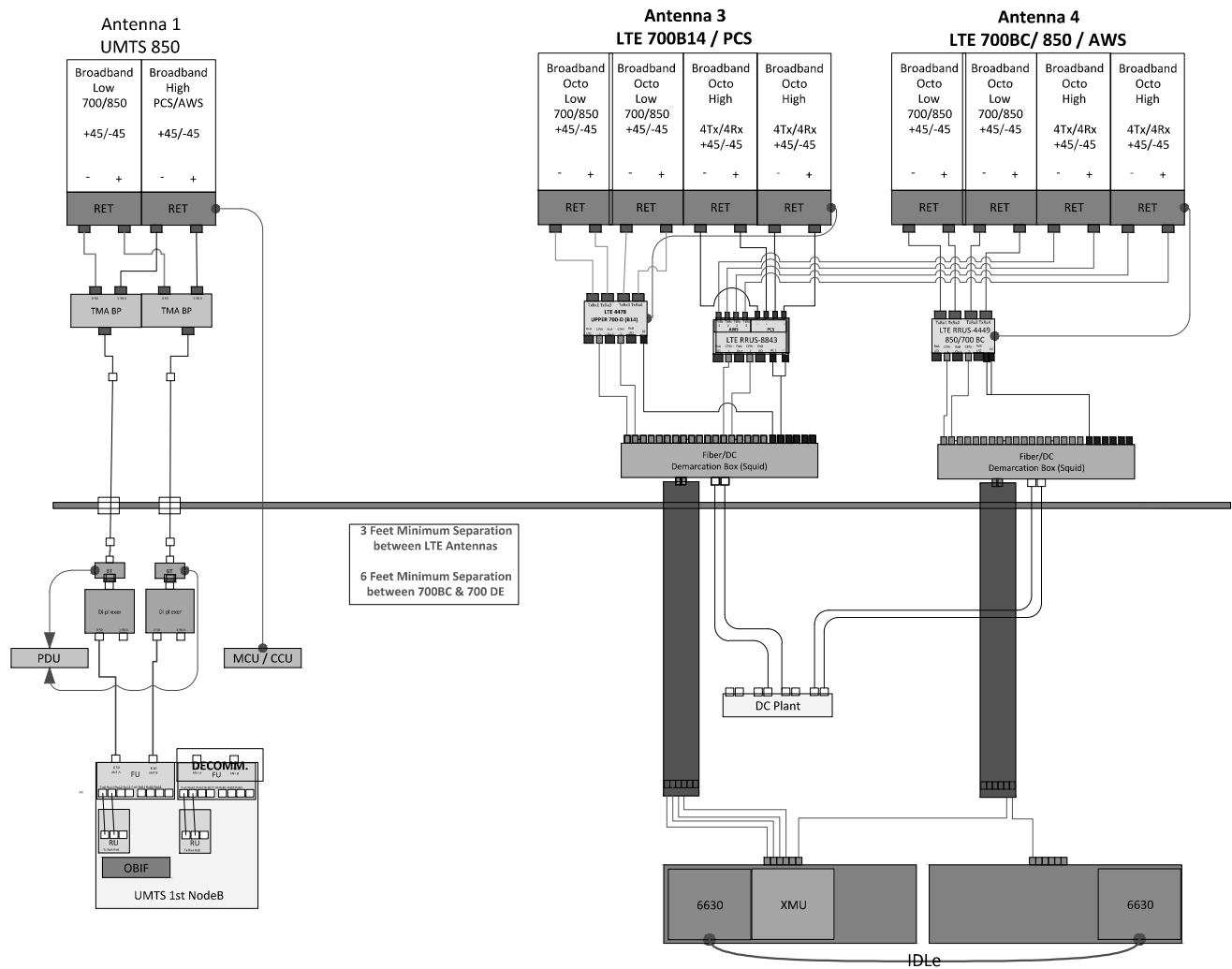


Diagram - Sector C Diagram File Name - 5GNR_CT5721_LTE5C_700B14.3_700850.4_2DC6_A-B-C_R2.0.vsd
Atoll Site Name - CT5721 Location Name - PRESTON SOUTH EAST Market - CONNECTICUT Market Cluster - NEW ENGLAND
Comments: Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna Radio Connection Drawings Playbook v6.0 Ericsson

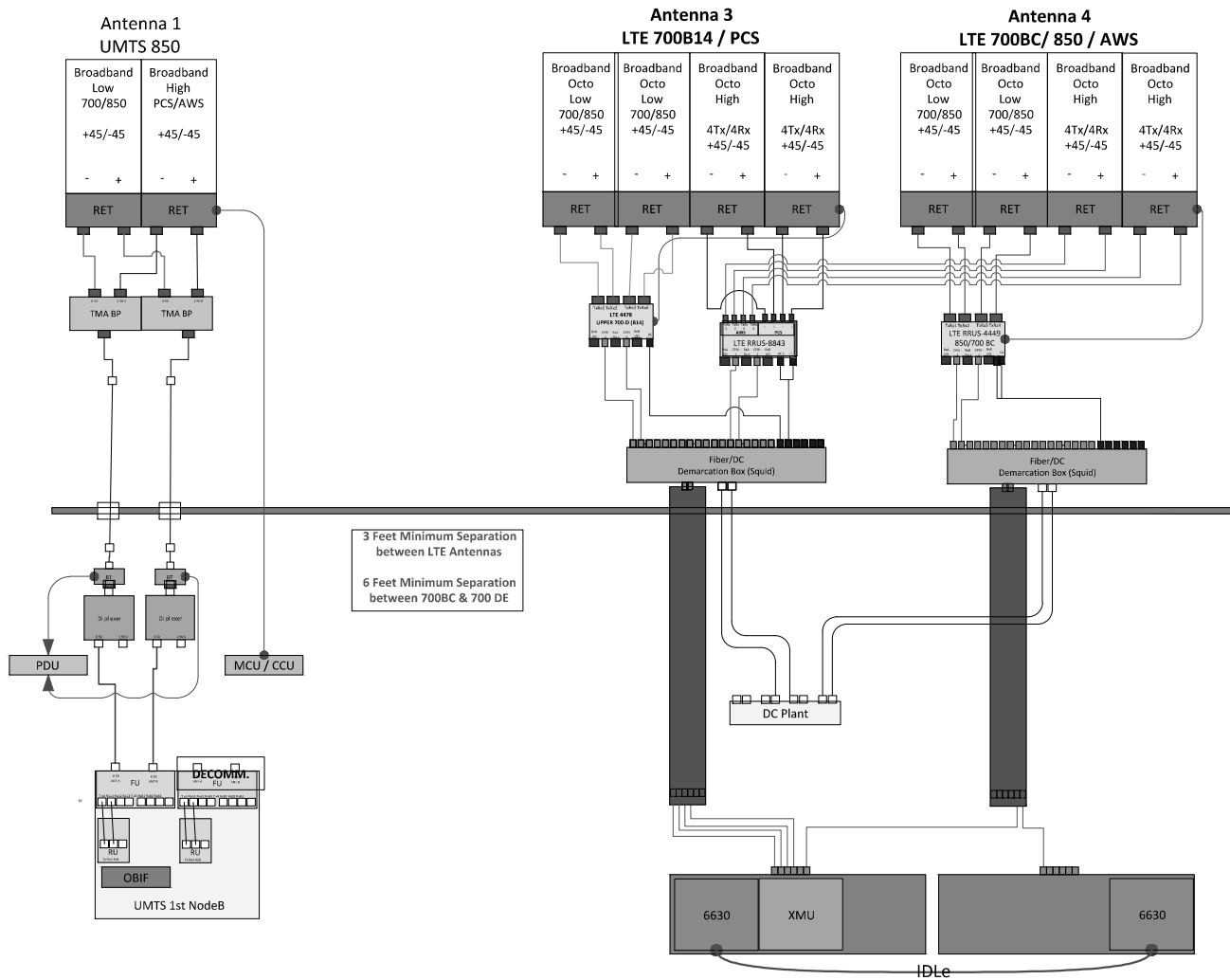


Exhibit C

Structural Analysis Report

Date: **July 22, 2020**

Chanh dara Ratsavong
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: 26059
Carrier Site Name: CT5721

Crown Castle Designation: **Crown Castle BU Number:** 876360
Crown Castle Site Name: PRESTON / TOWN HALL
Crown Castle JDE Job Number: 605415
Crown Castle Work Order Number: 1865303
Crown Castle Order Number: 517089 Rev. 2

Engineering Firm Designation: **Paul J. Ford and Company Project Number:** 37520-1565.001.7805

Site Data: **389 Rt. 2, PRESTON, New London County, CT**
Latitude 41° 29' 25.25", Longitude -71° 59' 29.55"
147 Foot - Monopole Tower

Dear Chanh dara Ratsavong,

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

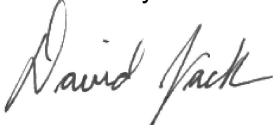
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration

Sufficient Capacity (99.2%)

This analysis utilizes an ultimate 3-second gust wind speed of 135 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:



David Jack, P.E.
Project Engineer
djack@pauljford.com



2020.07.24
10:08:27-04'00'

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4) ANALYSIS RESULTS

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Additional Calculations

1) INTRODUCTION

This tower is a 147 ft Monopole tower designed by ENGINEERED ENDEAVORS, INC. in May of 2000.

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:	135 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)
116.0	118.0	3	cci antennas	DMP65R-BU8D w/ Mount Pipe	6 2 4 1	1-1/4 3/8 3/4 2" Cond.
		3	cci antennas	OPA65R-BU8D w/ Mount Pipe		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14		
		3	ericsson	RRUS 8843 B2/B66A		
		6	powerwave technologies	LGP21401		
		3	powerwave technologies	RA21.7770.00 w/ Mount Pipe		
		2	raycap	DC6-48-60-18-8F		
	116.0	1	tower mounts	Platform Mount [LP 303-1]		
		1	SitePro	HRK12-3D		
		6	misc	2" STD x 8' Mount Pipes		

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)
147.0	149.0	3	alcatel lucent	800MHZ RRH	4	1-1/4
		3	alcatel lucent	PCS 1900MHZ 4X45W-65MHZ		
		3	alcatel lucent	TD-RRH8X20-25		
		3	commscope	DT465B-2XR		
		3	rfs celwave	APXVSP18-C-A20		
	147.0	1		Sitepro1 RMQP (platform+handrail+kickers)		
136.0	138.0	3	alcatel lucent	RRH2X60-700	14	1-5/8
		3	alcatel lucent	RRH4X45-AWS4 B66		
		6	andrew	SBNHH-1D65A w/ Mount Pipe		
		6	antel	LPA-80080/4CF w/ Mount Pipe		
		2	rfs celwave	DB-B1-6C-12AB-0Z		
	136.0	1	tower mounts	Platform Mount [LP 712-1]		
129.0	129.0	3	andrew	LNK-6515DS-VTM w/ Mount Pipe	10	1-5/8
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe		
		3	ericsson	ERICSSON AIR 21 B4A B2P w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
		3	ericsson	RRUS 11 B12		
		1	tower mounts	Platform Mount [LP 1201-1]		
50.0	51.0	1	lucent	KS24019-L112A	1	1/2
	50.0	1	tower mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	FDH, 08-01210G, 1/24/2008	2192501	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	EEI, 6938, 5/3/2000	1615411	CCISITES
4-TOWER MANUFACTURER DRAWINGS	EEI, 6938, 5/2/2000	1615372	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	Vertical Solutions, 080609.04, 8/6/2008	2331612	CCISITES
4-POST-MODIFICATION INSPECTION	Vertical Solutions, 080609.05, 9/26/2008	2331610	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	PJF, 37512-2207, 11/12/12	3846963	CCISITES
4-POST-MODIFICATION INSPECTION	TEP, 131001.876360, 4/4/2013	3846952	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	PJF, 37515-0448.002.7700, 2/23/2015	5573224	CCISITES
4-POST-MODIFICATION INSPECTION	FDH, 15BIUM1500, 11/30/2015	5995667	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	PJF, 37515-0448.005.7700, 9/25/2015	5907694	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	PJF, 37515-0448.007.7700, 10/28/2015	5959061	CCISITES
4-POST-MODIFICATION INSPECTION	ETS, 151886, 1/26/2016	6072770	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	TEP, 25620.161151, 4/10/2018	7474716	CCISITES
4-POST-MODIFICATION INSPECTION	ETS, 447234, 12/18/2018	8088961	CCISITES

3.1) Analysis Method

tnxTower (version 8.0.7.4), 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) The monopole was modified 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
147 - 142	Pole	TP17.326x16.25x0.1875	Pole	10.5%	Pass
142 - 137	Pole	TP18.402x17.326x0.1875	Pole	17.3%	Pass
137 - 132	Pole	TP19.478x18.402x0.1875	Pole	31.6%	Pass
132 - 127	Pole	TP20.553x19.478x0.1875	Pole	46.2%	Pass
127 - 123.62	Pole	TP21.98x20.553x0.1875	Pole	56.5%	Pass
123.62 - 118.62	Pole	TP21.965x20.906x0.25	Pole	51.6%	Pass
118.62 - 113.62	Pole	TP23.025x21.965x0.25	Pole	63.9%	Pass
113.62 - 113.08	Pole	TP23.14x23.025x0.25	Pole	65.2%	Pass
113.08 - 112.83	Pole + Reinf.	TP23.193x23.14x0.2594	Pole	66.6%	Pass
112.83 - 112.16	Pole + Reinf.	TP23.335x23.193x0.2563	Pole	68.1%	Pass
112.16 - 111.91	Pole + Reinf.	TP23.388x23.335x0.525	Reinf. 20 Tension Rupture	58.8%	Pass
111.91 - 110.5	Pole + Reinf.	TP23.686x23.388x0.525	Reinf. 20 Tension Rupture	61.9%	Pass
110.5 - 110.25	Pole + Reinf.	TP23.739x23.686x0.75	Reinf. 20 Tension Rupture	44.7%	Pass
110.25 - 105.25	Pole + Reinf.	TP24.799x23.739x0.725	Reinf. 20 Tension Rupture	52.5%	Pass
105.25 - 105	Pole + Reinf.	TP24.852x24.799x0.725	Reinf. 20 Tension Rupture	52.8%	Pass
105 - 104.75	Pole + Reinf.	TP24.905x24.852x1	Reinf. 6 Tension Rupture	40.8%	Pass
104.75 - 103.5	Pole + Reinf.	TP25.17x24.905x1	Reinf. 6 Tension Rupture	42.2%	Pass
103.5 - 103.25	Pole + Reinf.	TP25.223x25.17x0.7625	Reinf. 6 Tension Rupture	53.7%	Pass
103.25 - 98.25	Pole + Reinf.	TP26.283x25.223x0.7375	Reinf. 6 Tension Rupture	60.5%	Pass
98.25 - 94.17	Pole + Reinf.	TP27.147x26.283x0.7125	Reinf. 6 Tension Rupture	65.7%	Pass
94.17 - 93.92	Pole + Reinf.	TP27.2x27.147x0.85	Reinf. 12 Tension Rupture	57.1%	Pass
93.92 - 93	Pole + Reinf.	TP27.395x27.2x0.8375	Reinf. 12 Tension Rupture	58.1%	Pass
93 - 92.75	Pole + Reinf.	TP27.448x27.395x0.8125	Reinf. 6 Tension Rupture	60.1%	Pass
92.75 - 92	Pole + Reinf.	TP27.607x27.448x0.8	Reinf. 6 Tension Rupture	60.9%	Pass
92 - 91.75	Pole + Reinf.	TP27.66x27.607x0.775	Reinf. 12 Tension Rupture	63.2%	Pass
91.75 - 89.08	Pole + Reinf.	TP29.11x27.66x0.7625	Reinf. 12 Tension Rupture	66.1%	Pass
89.08 - 83.91	Pole + Reinf.	TP28.822x27.726x0.85	Reinf. 12 Tension Rupture	65.6%	Pass
83.91 - 78.91	Pole + Reinf.	TP29.881x28.822x0.825	Reinf. 12 Tension Rupture	70.1%	Pass
78.91 - 73.91	Pole + Reinf.	TP30.94x29.881x0.8	Reinf. 12 Tension Rupture	74.3%	Pass
73.91 - 68.91	Pole + Reinf.	TP31.999x30.94x0.7875	Reinf. 12 Tension Rupture	78.3%	Pass
68.91 - 67	Pole + Reinf.	TP32.404x31.999x0.775	Reinf. 12 Tension Rupture	79.7%	Pass
67 - 66.75	Pole + Reinf.	TP32.457x32.404x0.775	Reinf. 12 Tension Rupture	79.9%	Pass
66.75 - 65.5	Pole + Reinf.	TP32.722x32.457x0.7625	Reinf. 12 Tension Rupture	80.9%	Pass
65.5 - 65.25	Pole + Reinf.	TP32.775x32.722x0.9	Reinf. 12 Tension Rupture	76.0%	Pass
65.25 - 64.5	Pole + Reinf.	TP32.934x32.775x0.8875	Reinf. 12 Tension Rupture	76.5%	Pass
64.5 - 64.25	Pole + Reinf.	TP32.987x32.934x0.8125	Reinf. 12 Tension Rupture	80.6%	Pass
64.25 - 59.5	Pole + Reinf.	TP33.993x32.987x0.7875	Reinf. 12 Tension Rupture	84.0%	Pass
59.5 - 59.25	Pole + Reinf.	TP34.046x33.993x0.8	Reinf. 12 Tension Rupture	83.0%	Pass
59.25 - 58.58	Pole + Reinf.	TP34.188x34.046x0.8	Reinf. 12 Tension Rupture	83.5%	Pass
58.58 - 58.33	Pole + Reinf.	TP34.241x34.188x0.85	Reinf. 10 Tension Rupture	75.5%	Pass
58.33 - 53.33	Pole + Reinf.	TP35.3x34.241x0.8375	Reinf. 10 Tension Rupture	78.5%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
53.33 - 49.58	Pole + Reinf.	TP37.19x35.3x0.8125	Reinf. 10 Tension Rupture	80.7%	Pass
49.58 - 43.41	Pole + Reinf.	TP36.78x35.47x0.875	Reinf. 10 Tension Rupture	79.7%	Pass
43.41 - 38.41	Pole + Reinf.	TP37.842x36.78x0.85	Reinf. 10 Tension Rupture	82.1%	Pass
38.41 - 34.5	Pole + Reinf.	TP38.673x37.842x0.85	Reinf. 10 Tension Rupture	83.9%	Pass
34.5 - 34.25	Pole + Reinf.	TP38.726x38.673x1	Reinf. 16 Tension Rupture	72.6%	Pass
34.25 - 33.5	Pole + Reinf.	TP38.885x38.726x1	Reinf. 16 Tension Rupture	72.9%	Pass
33.5 - 33.25	Pole + Reinf.	TP38.938x38.885x0.8	Reinf. 4 Tension Rupture	85.3%	Pass
33.25 - 30.5	Pole + Reinf.	TP39.522x38.938x0.7875	Reinf. 4 Tension Rupture	86.5%	Pass
30.5 - 30.25	Pole + Reinf.	TP39.575x39.522x0.7875	Reinf. 4 Tension Rupture	86.6%	Pass
30.25 - 29.75	Pole + Reinf.	TP39.681x39.575x0.7875	Reinf. 4 Tension Rupture	86.8%	Pass
29.75 - 29.5	Pole + Reinf.	TP39.734x39.681x0.875	Reinf. 8 Tension Rupture	81.3%	Pass
29.5 - 29	Pole + Reinf.	TP39.841x39.734x0.875	Reinf. 8 Tension Rupture	81.5%	Pass
29 - 28.75	Pole + Reinf.	TP39.894x39.841x0.8875	Reinf. 3 Tension Rupture	80.1%	Pass
28.75 - 27.58	Pole + Reinf.	TP40.142x39.894x0.875	Reinf. 3 Tension Rupture	80.6%	Pass
27.58 - 27.33	Pole + Reinf.	TP40.195x40.142x0.875	Reinf. 3 Tension Rupture	80.6%	Pass
27.33 - 22.33	Pole + Reinf.	TP41.257x40.195x0.875	Reinf. 3 Tension Rupture	82.6%	Pass
22.33 - 17.33	Pole + Reinf.	TP42.319x41.257x0.85	Reinf. 3 Tension Rupture	84.4%	Pass
17.33 - 12.33	Pole + Reinf.	TP43.381x42.319x0.8375	Reinf. 3 Tension Rupture	86.2%	Pass
12.33 - 7.33	Pole + Reinf.	TP44.443x43.381x0.825	Reinf. 3 Tension Rupture	87.9%	Pass
7.33 - 6.75	Pole + Reinf.	TP44.566x44.443x0.825	Reinf. 3 Tension Rupture	88.1%	Pass
6.75 - 6.5	Pole + Reinf.	TP44.619x44.566x0.775	Reinf. 1 Tension Rupture	90.7%	Pass
6.5 - 3	Pole + Reinf.	TP45.363x44.619x0.775	Reinf. 1 Tension Rupture	91.9%	Pass
3 - 2.75	Pole + Reinf.	TP45.416x45.363x0.7	Reinf. 8 Tension Rupture	99.2%	Pass
2.75 - 2.5	Pole + Reinf.	TP45.469x45.416x0.7	Reinf. 8 Tension Rupture	99.2%	Pass
2.5 - 2.25	Pole + Reinf.	TP45.522x45.469x0.775	Reinf. 1 Tension Rupture	89.7%	Pass
2.25 - 0	Pole + Reinf.	TP46x45.522x0.775	Reinf. 1 Tension Rupture	90.4%	Pass
				Summary	
			Pole	68.1%	Pass
			Reinforcement	99.2%	Pass
			Overall	99.2%	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	85.3	Pass
1	Base Plate	0	93.3	Pass
1	Base Foundation	0	95.3	Pass
1	Base Foundation Soil Interaction	0	63.9	Pass

Structure Rating (max from all components) =	99.2%
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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	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	125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Tower Input Data

The tower is a monopole.

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

The following design criteria apply:

- 1) Tower is located in New London County, Connecticut.
- 2) Tower base elevation above sea level: 134.5700 ft.
- 3) Basic wind speed of 135.00 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 50.00 mph is used in combination with ice.
- 13) Temperature drop of 50.00 °F.
- 14) Deflections calculated using a wind speed of 60.00 mph.
- 15) TIA-222-H Annex S.
- 16) TOWER CAPACITY: 99.2%.
- 17) A non-linear (P-delta) analysis was used.
- 18) Pressures are calculated at each section.
- 19) Stress ratio used in pole design is 1.05.
- 20) Tower analysis based on target reliabilities in accordance with Annex S.
- 21) Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- 22) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs	Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules
Consider Moments - Horizontals	Assume Legs Pinned	Calculate Redundant Bracing Forces
Consider Moments - Diagonals	√ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Use Moment Magnification	√ Use Clear Spans For Wind Area	SR Leg Bolts Resist Compression
Use Code Stress Ratios	Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
√ Use Code Safety Factors - Guys	Retention Guys To Initial Tension	Offset Girt At Foundation
Escalate Ice	√ Bypass Mast Stability Checks	√ Consider Feed Line Torque
Always Use Max Kz	√ Use Azimuth Dish Coefficients	Include Angle Block Shear Check
Use Special Wind Profile	√ Project Wind Area of Appurt.	Use TIA-222-H Bracing Resist.
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Use TIA-222-H Tension Splice
Secondary Horizontal Braces Leg	Sort Capacity Reports By Component	Exemption
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	

Poles

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	147.0000- 142.0000	5.0000	0.00	18	16.2500	17.3259	0.1875	0.7500	A572-65 (65 ksi)
L2	142.0000- 137.0000	5.0000	0.00	18	17.3259	18.4017	0.1875	0.7500	A572-65 (65 ksi)
L3	137.0000- 132.0000	5.0000	0.00	18	18.4017	19.4776	0.1875	0.7500	A572-65 (65 ksi)
L4	132.0000- 127.0000	5.0000	0.00	18	19.4776	20.5534	0.1875	0.7500	A572-65 (65 ksi)
L5	127.0000- 120.3700	6.6300	3.25	18	20.5534	21.9800	0.1875	0.7500	A572-65 (65 ksi)
L6	120.3700- 118.6200	5.0000	0.00	18	20.9057	21.9654	0.2500	1.0000	A572-65 (65 ksi)
L7	118.6200- 113.6200	5.0000	0.00	18	21.9654	23.0251	0.2500	1.0000	A572-65 (65 ksi)
L8	113.6200- 113.0800	0.5400	0.00	18	23.0251	23.1396	0.2500	1.0000	A572-65 (65 ksi)
L9	113.0800- 112.8300	0.2500	0.00	18	23.1396	23.1926	0.2594	1.0375	A572-65 (65 ksi)
L10	112.8300- 112.1600	0.6700	0.00	18	23.1926	23.3346	0.2562	1.0250	A572-65 (65 ksi)
L11	112.1600- 111.9100	0.2500	0.00	18	23.3346	23.3875	0.5250	2.1000	A572-65 (65 ksi)
L12	111.9100- 110.5000	1.4100	0.00	18	23.3875	23.6864	0.5250	2.1000	A572-65 (65 ksi)
L13	110.5000- 110.2500	0.2500	0.00	18	23.6864	23.7394	0.7500	3.0000	A572-65 (65 ksi)
L14	110.2500- 105.2500	5.0000	0.00	18	23.7394	24.7991	0.7250	2.9000	A572-65 (65 ksi)
L15	105.2500- 105.0000	0.2500	0.00	18	24.7991	24.8521	0.7250	2.9000	A572-65 (65 ksi)
L16	105.0000- 104.7500	0.2500	0.00	18	24.8521	24.9051	1.0000	4.0000	A572-65 (65 ksi)
L17	104.7500- 103.5000	1.2500	0.00	18	24.9051	25.1700	1.0000	4.0000	A572-65 (65 ksi)
L18	103.5000- 103.2500	0.2500	0.00	18	25.1700	25.2230	0.7625	3.0500	A572-65 (65 ksi)
L19	103.2500- 98.2500	5.0000	0.00	18	25.2230	26.2827	0.7375	2.9500	A572-65 (65 ksi)
L20	98.2500- 94.1700	4.0800	0.00	18	26.2827	27.1474	0.7125	2.8500	A572-65 (65 ksi)
L21	94.1700- 93.9200	0.2500	0.00	18	27.1474	27.2004	0.8500	3.4000	A572-65 (65 ksi)
L22	93.9200- 93.0000	0.9200	0.00	18	27.2004	27.3954	0.8375	3.3500	A572-65 (65 ksi)
L23	93.0000- 92.7500	0.2500	0.00	18	27.3954	27.4484	0.8125	3.2500	A572-65 (65 ksi)
L24	92.7500- 92.0000	0.7500	0.00	18	27.4484	27.6073	0.8000	3.2000	A572-65 (65 ksi)
L25	92.0000- 91.7500	0.2500	0.00	18	27.6073	27.6603	0.7750	3.1000	A572-65 (65 ksi)
L26	91.7500- 84.9100	6.8400	4.17	18	27.6603	29.1100	0.7625	3.0500	A572-65 (65 ksi)
L27	84.9100- 83.9100	5.1700	0.00	18	27.7262	28.8215	0.8500	3.4000	A572-65 (65 ksi)
L28	83.9100- 78.9100	5.0000	0.00	18	28.8215	29.8808	0.8250	3.3000	A572-65 (65 ksi)
L29	78.9100- 73.9100	5.0000	0.00	18	29.8808	30.9401	0.8000	3.2000	A572-65 (65 ksi)
L30	73.9100- 68.9100	5.0000	0.00	18	30.9401	31.9994	0.7875	3.1500	A572-65 (65 ksi)
L31	68.9100- 67.0000	1.9100	0.00	18	31.9994	32.4041	0.7750	3.1000	A572-65 (65 ksi)
L32	67.0000- 66.7500	0.2500	0.00	18	32.4041	32.4570	0.7750	3.1000	A572-65 (65 ksi)
L33	66.7500- 65.5000	1.2500	0.00	18	32.4570	32.7219	0.7625	3.0500	A572-65 (65 ksi)
L34	65.5000- 65.2500	0.2500	0.00	18	32.7219	32.7748	0.9000	3.6000	A572-65 (65 ksi)
L35	65.2500-	0.7500	0.00	18	32.7748	32.9337	0.8875	3.5500	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
	64.5000								(65 ksi)
L36	64.5000- 64.2500	0.2500	0.00	18	32.9337	32.9867	0.8125	3.2500	A572-65 (65 ksi)
L37	64.2500- 59.5000	4.7500	0.00	18	32.9867	33.9930	0.7875	3.1500	A572-65 (65 ksi)
L38	59.5000- 59.2500	0.2500	0.00	18	33.9930	34.0460	0.8000	3.2000	A572-65 (65 ksi)
L39	59.2500- 58.5800	0.6700	0.00	18	34.0460	34.1879	0.8000	3.2000	A572-65 (65 ksi)
L40	58.5800- 58.3300	0.2500	0.00	18	34.1879	34.2409	0.8500	3.4000	A572-65 (65 ksi)
L41	58.3300- 53.3300	5.0000	0.00	18	34.2409	35.3002	0.8375	3.3500	A572-65 (65 ksi)
L42	53.3300- 44.4100	8.9200	5.17	18	35.3002	37.1900	0.8125	3.2500	A572-65 (65 ksi)
L43	44.4100- 43.4100	6.1700	0.00	18	35.4697	36.7801	0.8750	3.5000	A572-65 (65 ksi)
L44	43.4100- 38.4100	5.0000	0.00	18	36.7801	37.8421	0.8500	3.4000	A572-65 (65 ksi)
L45	38.4100- 34.5000	3.9100	0.00	18	37.8421	38.6725	0.8500	3.4000	A572-65 (65 ksi)
L46	34.5000- 34.2500	0.2500	0.00	18	38.6725	38.7256	1.0000	4.0000	A572-65 (65 ksi)
L47	34.2500- 33.5000	0.7500	0.00	18	38.7256	38.8849	1.0000	4.0000	A572-65 (65 ksi)
L48	33.5000- 33.2500	0.2500	0.00	18	38.8849	38.9380	0.8000	3.2000	A572-65 (65 ksi)
L49	33.2500- 30.5000	2.7500	0.00	18	38.9380	39.5221	0.7875	3.1500	A572-65 (65 ksi)
L50	30.5000- 30.2500	0.2500	0.00	18	39.5221	39.5752	0.7875	3.1500	A572-65 (65 ksi)
L51	30.2500- 29.7500	0.5000	0.00	18	39.5752	39.6814	0.7875	3.1500	A572-65 (65 ksi)
L52	29.7500- 29.5000	0.2500	0.00	18	39.6814	39.7345	0.8750	3.5000	A572-65 (65 ksi)
L53	29.5000- 29.0000	0.5000	0.00	18	39.7345	39.8407	0.8750	3.5000	A572-65 (65 ksi)
L54	29.0000- 28.7500	0.2500	0.00	18	39.8407	39.8938	0.8875	3.5500	A572-65 (65 ksi)
L55	28.7500- 27.5800	1.1700	0.00	18	39.8938	40.1423	0.8750	3.5000	A572-65 (65 ksi)
L56	27.5800- 27.3300	0.2500	0.00	18	40.1423	40.1954	0.8750	3.5000	A572-65 (65 ksi)
L57	27.3300- 22.3300	5.0000	0.00	18	40.1954	41.2573	0.8750	3.5000	A572-65 (65 ksi)
L58	22.3300- 17.3300	5.0000	0.00	18	41.2573	42.3193	0.8500	3.4000	A572-65 (65 ksi)
L59	17.3300- 12.3300	5.0000	0.00	18	42.3193	43.3812	0.8375	3.3500	A572-65 (65 ksi)
L60	12.3300- 7.3300	5.0000	0.00	18	43.3812	44.4432	0.8250	3.3000	A572-65 (65 ksi)
L61	7.3300-6.7500	0.5800	0.00	18	44.4432	44.5664	0.8250	3.3000	A572-65 (65 ksi)
L62	6.7500-6.5000	0.2500	0.00	18	44.5664	44.6195	0.7750	3.1000	A572-65 (65 ksi)
L63	6.5000-3.0000	3.5000	0.00	18	44.6195	45.3628	0.7750	3.1000	A572-65 (65 ksi)
L64	3.0000-2.7500	0.2500	0.00	18	45.3628	45.4159	0.7000	2.8000	A572-65 (65 ksi)
L65	2.7500-2.5000	0.2500	0.00	18	45.4159	45.4690	0.7000	2.8000	A572-65 (65 ksi)
L66	2.5000-2.2500	0.2500	0.00	18	45.4690	45.5221	0.7750	3.1000	A572-65 (65 ksi)
L67	2.2500-0.0000	2.2500		18	45.5221	46.0000	0.7750	3.1000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	16.4718	9.5592	311.5911	5.7022	8.2550	37.7457	623.5922	4.7805	2.5300	13.493
	17.5642	10.1995	378.4887	6.0841	8.8015	43.0026	757.4755	5.1007	2.7194	14.503
L2	17.5642	10.1995	378.4887	6.0841	8.8015	43.0026	757.4755	5.1007	2.7194	14.503
	18.6567	10.8397	454.3354	6.4660	9.3481	48.6021	909.2687	5.4209	2.9087	15.513
L3	18.6567	10.8397	454.3354	6.4660	9.3481	48.6021	909.2687	5.4209	2.9087	15.513
	19.7491	11.4800	539.6927	6.8480	9.8946	54.5442	1080.0956	5.7411	3.0981	16.523
L4	19.7491	11.4800	539.6927	6.8480	9.8946	54.5442	1080.0956	5.7411	3.0981	16.523
	20.8416	12.1203	635.1226	7.2299	10.4411	60.8289	1271.0809	6.0613	3.2874	17.533
L5	20.8416	12.1203	635.1226	7.2299	10.4411	60.8289	1271.0809	6.0613	3.2874	17.533
	22.2902	12.9693	778.1562	7.7363	11.1658	69.6908	1557.3364	6.4859	3.5385	18.872
L6	21.8891	16.3903	883.4944	7.3328	10.6201	83.1908	1768.1514	8.1967	3.2394	12.958
	22.2657	17.2312	1026.5697	7.7090	11.1584	91.9995	2054.4901	8.6172	3.4259	13.704
L7	22.2657	17.2312	1026.5697	7.7090	11.1584	91.9995	2054.4901	8.6172	3.4259	13.704
	23.3418	18.0721	1184.3132	8.0852	11.6968	101.2514	2370.1848	9.0377	3.6124	14.45
L8	23.3418	18.0721	1184.3132	8.0852	11.6968	101.2514	2370.1848	9.0377	3.6124	14.45
	23.4580	18.1629	1202.2572	8.1258	11.7549	102.2771	2406.0964	9.0832	3.6326	14.53
L9	23.4565	18.8363	1245.8099	8.1225	11.7549	105.9822	2493.2590	9.4199	3.6161	13.941
	23.5103	18.8799	1254.4849	8.1413	11.7818	106.4763	2510.6205	9.4417	3.6254	13.977
L10	23.5108	18.6550	1239.8773	8.1424	11.7818	105.2365	2481.3862	9.3293	3.6309	14.169
	23.6550	18.7705	1263.0490	8.1928	11.8540	106.5508	2527.7599	9.3870	3.6559	14.267
L11	23.6135	38.0087	2498.3561	8.0974	11.8540	210.7614	4999.9996	19.0080	3.1829	6.063
	23.6673	38.0970	2515.8074	8.1162	11.8809	211.7527	5034.9252	19.0521	3.1922	6.08
L12	23.6673	38.0970	2515.8074	8.1162	11.8809	211.7527	5034.9252	19.0521	3.1922	6.08
	23.9708	38.5950	2615.7558	8.2223	12.0327	217.3876	5234.9535	19.3012	3.2448	6.181
L13	23.9361	54.6001	3628.9459	8.1424	12.0327	301.5907	7262.6668	27.3052	2.8488	3.798
	23.9899	54.7262	3654.1540	8.1612	12.0596	303.0079	7313.1162	27.3683	2.8581	3.811
L14	23.9937	52.9595	3543.8853	8.1701	12.0596	293.8642	7092.4336	26.4848	2.9021	4.003
	25.0698	55.3981	4056.3152	8.5463	12.5979	321.9826	8117.9678	27.7043	3.0886	4.26
L15	25.0698	55.3981	4056.3152	8.5463	12.5979	321.9826	8117.9678	27.7043	3.0886	4.26
	25.1236	55.5200	4083.1570	8.5651	12.6249	323.4222	8171.6867	27.7653	3.0980	4.273
L16	25.0812	75.7065	5441.5490	8.4675	12.6249	431.0189	10890.258	37.8604	2.6140	2.614
	25.1350	75.8746	5477.8939	8.4863	12.6518	432.9746	10962.995	37.9445	2.6233	2.623
L17	25.1350	75.8746	5477.8939	8.4863	12.6518	432.9746	10962.995	37.9445	2.6233	2.623
	25.4040	76.7155	5662.0469	8.5803	12.7864	442.8196	11331.544	38.3651	2.6699	2.67
L18	25.4406	59.0704	4445.8342	8.6647	12.7864	347.7015	8897.5183	29.5408	3.0879	4.05
	25.4944	59.1986	4474.8508	8.6835	12.8133	349.2357	8955.5897	29.6049	3.0972	4.062
L19	25.4983	57.3162	4341.4188	8.6923	12.8133	338.8221	8688.5501	28.6635	3.1412	4.259
	26.5744	59.7968	4929.8471	9.0685	13.3516	369.2326	9866.1811	29.9041	3.3278	4.512
L20	26.5782	57.8263	4776.7306	9.0774	13.3516	357.7646	9559.7466	28.9187	3.3718	4.732
	27.4563	59.7819	5277.9194	9.3844	13.7909	382.7107	10562.783	29.8966	3.5239	4.946
L21	27.4351	70.9478	6198.7230	9.3356	13.7909	449.4797	12405.602	35.4806	3.2819	3.861
	27.4889	71.0907	6236.2668	9.3544	13.8178	451.3212	12480.739	35.5521	3.2913	3.872
L22	27.4908	70.0785	6153.3056	9.3588	13.8178	445.3173	12314.708	35.0459	3.3133	3.956
	27.6888	70.5968	6290.8532	9.4280	13.9169	452.0312	12589.984	35.3051	3.3476	3.997
L23	27.6927	68.5539	6120.3179	9.4369	13.9169	439.7774	12248.689	34.2835	3.3916	4.174
	27.7465	68.6906	6156.9887	9.4557	13.9438	441.5583	12322.078	34.3518	3.4009	4.186
L24	27.7484	67.6655	6070.8047	9.4602	13.9438	435.3775	12149.597	33.8392	3.4229	4.279
	27.9098	68.0692	6180.0907	9.5166	14.0245	440.6632	12368.313	34.0410	3.4509	4.314
L25	27.9137	66.0035	6003.7284	9.5255	14.0245	428.0879	12015.356	33.0080	3.4949	4.51
	27.9675	66.1338	6039.3649	9.5443	14.0514	429.8040	12086.676	33.0732	3.5042	4.522
L26	27.9694	65.0974	5950.2475	9.5487	14.0514	423.4618	11908.324	32.5549	3.5262	4.625

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
	29.4414	68.6059	6965.1185	10.0634	14.7879	471.0018	13939.4020	34.3095	3.7814	4.959
L27	28.9199	72.5093	6617.0870	9.5411	14.0849	469.7998	13242.8809	36.2615	3.3838	3.981
	29.1350	75.4644	7459.5282	9.9299	14.6413	509.4843	14928.8718	37.7393	3.5766	4.208
L28	29.1389	73.3103	7259.5606	9.9388	14.6413	495.8266	14528.6735	36.6621	3.6206	4.389
	30.2145	76.0841	8115.1703	10.3148	15.1795	534.6154	16241.0188	38.0493	3.8070	4.615
L29	30.2184	73.8420	7889.5860	10.3237	15.1795	519.7542	15789.5533	36.9280	3.8510	4.814
	31.2940	76.5318	8783.5341	10.6997	15.7176	558.8350	17578.6258	38.2732	4.0375	5.047
L30	31.2959	75.3672	8657.0534	10.7042	15.7176	550.7879	17325.4981	37.6908	4.0595	5.155
	32.3716	78.0150	9601.8844	11.0802	16.2557	590.6778	19216.4032	39.0149	4.2459	5.392
L31	32.3735	76.8074	9460.8313	11.0847	16.2557	582.0006	18934.1114	38.4110	4.2679	5.507
	32.7844	77.8028	9833.4417	11.2283	16.4613	597.3683	19679.8225	38.9088	4.3391	5.599
L32	32.7844	77.8028	9833.4417	11.2283	16.4613	597.3683	19679.8225	38.9088	4.3391	5.599
	32.8382	77.9331	9882.9248	11.2471	16.4882	599.3947	19778.8537	38.9739	4.3484	5.611
L33	32.8401	76.7063	9735.0364	11.2516	16.4882	590.4253	19482.8824	38.3605	4.3704	5.732
	33.1090	77.3473	9981.1055	11.3456	16.6227	600.4500	19975.3444	38.6810	4.4170	5.793
L34	33.0878	90.9023	11629.5730	11.2968	16.6227	699.6197	23274.4485	45.4598	4.1750	4.639
	33.1416	91.0536	11687.7403	11.3156	16.6496	701.9827	23390.8597	45.5355	4.1844	4.649
L35	33.1435	89.8242	11538.9753	11.3200	16.6496	693.0476	23093.1339	44.9206	4.2064	4.74
	33.3049	90.2718	11712.3329	11.3764	16.7303	700.0657	23440.0772	45.1445	4.2343	4.771
L36	33.3164	82.8366	10798.0189	11.4030	16.7303	645.4157	21610.2460	41.4262	4.3663	5.374
	33.3702	82.9732	10851.5219	11.4218	16.7572	647.5722	21717.3224	41.4945	4.3757	5.385
L37	33.3741	80.4827	10542.1652	11.4307	16.7572	629.1111	21098.2020	40.2490	4.4197	5.612
	34.3959	82.9980	11561.8164	11.7880	17.2685	669.5338	23138.8460	41.5069	4.5968	5.837
L38	34.3940	84.2837	11732.0779	11.7835	17.2685	679.3935	23479.5931	42.1499	4.5748	5.718
	34.4478	84.4182	11788.3301	11.8023	17.2954	681.5890	23592.1715	42.2171	4.5841	5.73
L39	34.4478	84.4182	11788.3301	11.8023	17.2954	681.5890	23592.1715	42.2171	4.5841	5.73
	34.5919	84.7787	11939.9688	11.8527	17.3675	687.4903	23895.6486	42.3974	4.6091	5.761
L40	34.5842	89.9424	12629.3076	11.8350	17.3675	727.1816	25275.2332	44.9798	4.5211	5.319
	34.6380	90.0853	12689.5970	11.8538	17.3944	729.5228	25395.8913	45.0512	4.5304	5.33
L41	34.6399	88.7938	12517.0321	11.8582	17.3944	719.6021	25050.5345	44.4053	4.5524	5.436
	35.7156	91.6096	13746.0308	12.2343	17.9325	766.5427	27510.1490	45.8135	4.7388	5.658
L42	35.7194	88.9395	13364.7446	12.2431	17.9325	745.2804	26747.0750	44.4782	4.7828	5.887
	37.6384	93.8130	15684.3415	12.9140	18.8925	830.1879	31389.3209	46.9154	5.1154	6.296
L43	36.9969	96.0781	14527.1511	12.2811	18.0186	806.2309	29073.4174	48.0482	4.7027	5.374
	37.2125	99.7175	16241.3443	12.7463	18.6843	869.2506	32504.0593	49.8682	4.9333	5.638

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
L44	37.2164	96.9359	15810.285 1	12.7552	18.6843	846.1799	31641.373 7	48.4772	4.9773	5.856
	38.2947	99.8009	17253.994 6	13.1322	19.2238	897.5340	34530.692 5	49.9100	5.1642	6.076
L45	38.2947	99.8009	17253.994 6	13.1322	19.2238	897.5340	34530.692 5	49.9100	5.1642	6.076
	39.1380	102.0414	18442.297 6	13.4270	19.6456	938.7474	36908.862 1	51.0304	5.3104	6.247
L46	39.1148	119.5726	21439.701 5	13.3737	19.6456	1091.3208	42907.613 9	59.7977	5.0464	5.046
	39.1688	119.7411	21530.483 0	13.3926	19.6726	1094.4391	43089.296 3	59.8819	5.0557	5.056
L47	39.1688	119.7411	21530.483 0	13.3926	19.6726	1094.4391	43089.296 3	59.8819	5.0557	5.056
	39.3305	120.2467	21804.367 6	13.4491	19.7535	1103.8208	43637.426 0	60.1348	5.0837	5.084
L48	39.3614	96.7052	17721.215 3	13.5201	19.7535	897.1160	35465.748 7	48.3618	5.4357	6.795
	39.4153	96.8401	17795.439 5	13.5390	19.7805	899.6450	35614.294 6	48.4292	5.4451	6.806
L49	39.4172	95.3582	17534.615 7	13.5434	19.7805	886.4591	35092.303 9	47.6881	5.4671	6.942
	40.0103	96.8181	18352.358 8	13.7508	20.0772	914.0885	36728.866 2	48.4182	5.5699	7.073
L50	40.0103	96.8181	18352.358 8	13.7508	20.0772	914.0885	36728.866 2	48.4182	5.5699	7.073
	40.0642	96.9508	18427.934 1	13.7696	20.1042	916.6213	36880.116 1	48.4846	5.5792	7.085
L51	40.0642	96.9508	18427.934 1	13.7696	20.1042	916.6213	36880.116 1	48.4846	5.5792	7.085
	40.1720	97.2162	18579.707 8	13.8073	20.1581	921.6974	37183.863 2	48.6174	5.5979	7.108
L52	40.1586	107.7750	20505.103 0	13.7763	20.1581	1017.2119	41037.187 2	53.8978	5.4439	6.222
	40.2125	107.9225	20589.388 4	13.7951	20.1851	1020.0282	41205.868 9	53.9715	5.4533	6.232
L53	40.2125	107.9225	20589.388 4	13.7951	20.1851	1020.0282	41205.868 9	53.9715	5.4533	6.232
	40.3203	108.2174	20758.649 9	13.8328	20.2391	1025.6724	41544.614 5	54.1190	5.4720	6.254
L54	40.3184	109.7282	21034.945 3	13.8284	20.2391	1039.3240	42097.568 9	54.8745	5.4500	6.141
	40.3723	109.8778	21121.082 3	13.8472	20.2660	1042.1910	42269.956 3	54.9493	5.4593	6.151
L55	40.3742	108.3649	20843.628 2	13.8517	20.2660	1028.5004	41714.682 9	54.1927	5.4813	6.264
	40.6265	109.0550	21244.407 2	13.9399	20.3923	1041.7871	42516.768 4	54.5379	5.5250	6.314
L56	40.6265	109.0550	21244.407 2	13.9399	20.3923	1041.7871	42516.768 4	54.5379	5.5250	6.314
	40.6805	109.2025	21330.703 6	13.9587	20.4192	1044.6371	42689.474 6	54.6116	5.5344	6.325
L57	40.6805	109.2025	21330.703 6	13.9587	20.4192	1044.6371	42689.474 6	54.6116	5.5344	6.325
	41.7588	112.1518	23106.080 8	14.3357	20.9587	1102.4567	46242.565 2	56.0866	5.7213	6.539
L58	41.7627	109.0149	22487.620 5	14.3446	20.9587	1072.9482	45004.830 8	54.5178	5.7653	6.783
	42.8410	111.8800	24307.628 8	14.7216	21.4982	1130.6825	48647.242 1	55.9506	5.9522	7.003
L59	42.8429	110.2679	23971.827 9	14.7260	21.4982	1115.0626	47975.198 6	55.1444	5.9742	7.133
	43.9213	113.0908	25860.430 9	15.1030	22.0377	1173.4652	51754.889 6	56.5561	6.1611	7.357
L60	43.9232	111.4356	25496.915 3	15.1075	22.0377	1156.9700	51027.380 1	55.7284	6.1831	7.495
	45.0015	114.2164	27453.699 9	15.4845	22.5771	1215.9958	54943.524 1	57.1190	6.3700	7.721
L61	45.0015	114.2164	27453.699 9	15.4845	22.5771	1215.9958	54943.524 1	57.1190	6.3700	7.721

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
	45.1266	114.5390	27686.962 7	15.5282	22.6397	1222.9379	55410.356 7	57.2804	6.3917	7.747
L62	45.1343	107.7202	26098.258 2	15.5459	22.6397	1152.7645	52230.857 1	53.8703	6.4797	8.361
	45.1882	107.8508	26193.305 7	15.5648	22.6667	1155.5860	52421.077 2	53.9356	6.4890	8.373
L63	45.1882	107.8508	26193.305 7	15.5648	22.6667	1155.5860	52421.077 2	53.9356	6.4890	8.373
	45.9431	109.6794	27548.316 0	15.8287	23.0443	1195.4494	55132.880 8	54.8501	6.6199	8.542
L64	45.9546	99.2319	25008.123 1	15.8553	23.0443	1085.2187	50049.152 5	49.6254	6.7519	9.646
	46.0086	99.3498	25097.421 2	15.8742	23.0713	1087.8204	50227.866 2	49.6844	6.7612	9.659
L65	46.0086	99.3498	25097.421 2	15.8742	23.0713	1087.8204	50227.866 2	49.6844	6.7612	9.659
	46.0625	99.4678	25186.933 3	15.8930	23.0983	1090.4254	50407.008 2	49.7434	6.7705	9.672
L66	46.0509	109.9406	27745.620 9	15.8664	23.0983	1201.1994	55527.750 3	54.9807	6.6385	8.566
	46.1048	110.0712	27844.626 7	15.8852	23.1252	1204.0796	55725.892 0	55.0461	6.6479	8.578
L67	46.1048	110.0712	27844.626 7	15.8852	23.1252	1204.0796	55725.892 0	55.0461	6.6479	8.578
	46.5901	111.2467	28746.289 9	16.0549	23.3680	1230.1562	57530.405 0	55.6339	6.7320	8.686

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L1 147.0000- 142.0000				1	1	1			
L2 142.0000- 137.0000				1	1	1			
L3 137.0000- 132.0000				1	1	1			
L4 132.0000- 127.0000				1	1	1			
L5 127.0000- 120.3700				1	1	1			
L6 120.3700- 118.6200				1	1	1			
L7 118.6200- 113.6200				1	1	1			
L8 113.6200- 113.0800				1	1	1			
L9 113.0800- 112.8300				1	1	1.2622			
L10 112.8300- 112.1600				1	1	1.27556			
L11 112.1600- 111.9100				1	1	0.924882			
L12 111.9100- 110.5000				1	1	0.919093			
L13 110.5000- 110.2500				1	1	0.895639			
L14 110.2500- 105.2500				1	1	0.899955			
L15 105.2500- 105.0000				1	1	0.898736			
L16				1	1	0.868247			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
105.0000- 104.7500 L17				1	1	0.861471			
104.7500- 103.5000 L18				1	1	0.889037			
103.5000- 103.2500 L19				1	1	0.894205			
103.2500- 98.2500 L20				1	1	0.905906			
98.2500- 94.1700 L21				1	1	0.888993			
94.1700- 93.9200 L22				1	1	0.897404			
93.9200- 93.0000 L23				1	1	0.906542			
93.0000- 92.7500 L24				1	1	0.916671			
92.7500- 92.0000 L25				1	1	0.910109			
92.0000- 91.7500 L26				1	1	0.912303			
91.7500- 84.9100 L27				1	1	0.908924			
84.9100- 83.9100 L28				1	1	0.915329			
83.9100- 78.9100 L29				1	1	0.923704			
78.9100- 73.9100 L30				1	1	0.919611			
73.9100- 68.9100 L31				1	1	0.927278			
68.9100- 67.0000 L32				1	1	0.926402			
67.0000- 66.7500 L33				1	1	0.936814			
66.7500- 65.5000 L34				1	1	0.895218			
65.5000- 65.2500 L35				1	1	0.904717			
65.2500- 64.5000 L36				1	1	0.930696			
64.5000- 64.2500 L37				1	1	0.942444			
64.2500- 59.5000 L38				1	1	0.938317			
59.5000- 59.2500 L39				1	1	0.935989			
59.2500- 58.5800 L40				1	1	0.93139			
58.5800- 58.3300 L41				1	1	0.927362			
58.3300- 53.3300 L42				1	1	0.942354			
53.3300- 44.4100 L43				1	1	0.938481			
44.4100- 43.4100 L44				1	1	0.950362			
43.4100- 38.4100 L45				1	1	0.939182			
38.4100- 34.5000 L46				1	1	0.988795			
34.5000- 34.2500 L47				1	1	0.986214			
34.2500- 33.5000									

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L48 33.5000-33.2500				1	1	1.03936			
L49 33.2500-30.5000				1	1	1.04678			
L50 30.5000-30.2500				1	1	1.04599			
L51 30.2500-29.7500				1	1	1.04444			
L52 29.7500-29.5000				1	1	0.995527			
L53 29.5000-29.0000				1	1	0.993982			
L54 29.0000-28.7500				1	1	1.02049			
L55 28.7500-27.5800				1	1	1.03091			
L56 27.5800-27.3300				1	1	0.988882			
L57 27.3300-22.3300				1	1	0.974147			
L58 22.3300-17.3300				1	1	0.987812			
L59 17.3300-12.3300				1	1	0.988412			
L60 12.3300-7.3300				1	1	0.989738			
L61 7.3300-6.7500				1	1	0.988231			
L62 6.7500-6.5000				1	1	1.0539			
L63 6.5000-3.0000				1	1	1.0444			
L64 3.0000-2.7500				1	1	1.07813			
L65 2.7500-2.5000				1	1	1.07749			
L66 2.5000-2.2500				1	1	1.01515			
L67 2.2500-0.0000				1	1	1.00953			

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
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	A	No	Surface Ar (CaAa)	129.0000 - 0.0000	1	1	0.125 0.125	1.6250		1.07
FB-L98B-002- 75000(3/8)	B	No	Surface Ar (CaAa)	116.0000 - 0.0000	1	1	0.500 0.500	0.3937		0.06
WR-VG86ST-BRD (3/4") ***	C	No	Surface Ar (CaAa)	116.0000 - 0.0000	4	4	-0.459 -0.375	0.7740		0.88
LDF4-50A(1/2) ***	C	No	Surface Ar (CaAa)	50.0000 - 0.0000	1	1	-0.076 -0.076	0.6250		0.15

Flat 5x1.25	A	No	Surface Af (CaAa)	29.7500 - 0.0000	1	1	0.083 0.083	5.0000	12.5000	0.00
Flat 5x1.25	C	No	Surface Af (CaAa)	9.1700 - 0.0000	1	1	0.417 0.417	5.0000	12.5000	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
Flat 5x1.25	C	No	Surface Af (CaAa)	9.1700 - 0.0000	1	1	-0.250 -0.250	5.0000	12.5000	0.00
Flat 5x1.25	B	No	Surface Af (CaAa)	29.7500 - 0.0000	1	1	0.083 0.083	5.0000	12.5000	0.00
Flat 5x1.25	C	No	Surface Af (CaAa)	29.7500 - 4.3300	1	1	0.083 0.083	5.0000	12.5000	0.00
Flat 5x1.25	A	No	Surface Af (CaAa)	59.5000 - 29.7500	1	1	0.083 0.083	5.0000	12.5000	0.00
Flat 5x1.25	C	No	Surface Af (CaAa)	59.5000 - 29.7500	1	1	0.083 0.083	5.0000	12.5000	0.00
Flat 5x1.25	B	No	Surface Af (CaAa)	59.5000 - 29.7500	1	1	0.083 0.083	5.0000	12.5000	0.00
Flat 4.75x1.25	A	No	Surface Af (CaAa)	89.2500 - 59.5000	1	1	0.083 0.083	4.7500	12.0000	0.00
Flat 4.75x1.25	C	No	Surface Af (CaAa)	89.2500 - 59.5000	1	1	0.083 0.083	4.7500	12.0000	0.00
Flat 4.75x1.25	B	No	Surface Af (CaAa)	89.2500 - 59.5000	1	1	0.083 0.083	4.7500	12.0000	0.00
Flat 4.75x1.25	A	No	Surface Af (CaAa)	106.5000 - 89.2500	1	1	0.083 0.083	4.7500	12.0000	0.00
Flat 4.75x1.25	C	No	Surface Af (CaAa)	106.5000 - 89.2500	1	1	0.083 0.083	4.7500	12.0000	0.00
Flat 4.75x1.25	B	No	Surface Af (CaAa)	106.5000 - 89.2500	1	1	0.083 0.083	4.7500	12.0000	0.00

Flat 4.5x1	A	No	Surface Af (CaAa)	30.5000 - 0.5000	1	1	0.250 0.250	4.5000	11.0000	0.00
Flat 4.5x1	C	No	Surface Af (CaAa)	30.5000 - 0.5000	1	1	0.250 0.250	4.5000	11.0000	0.00
Flat 4.5x1	B	No	Surface Af (CaAa)	30.5000 - 0.5000	1	1	-0.083 -0.083	4.5000	11.0000	0.00
Flat 4.5x1	A	No	Surface Af (CaAa)	60.5800 - 30.5800	1	1	0.250 0.250	4.5000	11.0000	0.00
Flat 4.5x1	C	No	Surface Af (CaAa)	60.5800 - 30.5800	1	1	0.250 0.250	4.5000	11.0000	0.00
Flat 4.5x1	B	No	Surface Af (CaAa)	60.5800 - 30.5800	1	1	0.250 0.250	4.5000	11.0000	0.00
Flat 4x0.75	A	No	Surface Af (CaAa)	95.9700 - 60.6700	1	1	0.250 0.250	4.0000	9.5000	0.00
Flat 4x0.75	C	No	Surface Af (CaAa)	95.9700 - 60.6700	1	1	0.250 0.250	4.0000	9.5000	0.00
Flat 4x0.75	B	No	Surface Af (CaAa)	95.9700 - 60.6700	1	1	0.250 0.250	4.0000	9.5000	0.00

Flat 4.5x1	A	No	Surface Af (CaAa)	112.0000 - 102.0000	1	1	0.250 0.250	4.5000	11.0000	0.00
Flat 4.5x1	C	No	Surface Af (CaAa)	112.0000 - 102.0000	1	1	0.250 0.250	4.5000	11.0000	0.00
Flat 4.5x1	B	No	Surface Af (CaAa)	112.0000 - 102.0000	1	1	0.250 0.250	4.5000	11.0000	0.00

Flat 4.5x1.25	A	No	Surface Af (CaAa)	36.2500 - 1.2500	1	1	-0.083 -0.083	4.5000	11.5000	0.00
Flat 4.5x1.25	A	No	Surface Af (CaAa)	36.2500 - 1.2500	1	1	-0.417 -0.417	4.5000	11.5000	0.00
Flat 4.5x1.25	B	No	Surface Af (CaAa)	36.2500 - 1.2500	1	1	0.417 0.417	4.5000	11.5000	0.00
Flat 4.5x1.25	B	No	Surface Af (CaAa)	36.2500 - 1.2500	1	1	-0.250 -0.250	4.5000	11.5000	0.00
Flat 4.5x1	A	No	Surface Af (CaAa)	67.0000 - 32.0000	1	1	-0.250 -0.250	4.5000	11.0000	0.00
Flat 4.5x1	C	No	Surface Af (CaAa)	67.0000 - 32.0000	1	1	-0.250 -0.250	4.5000	11.0000	0.00
Flat 4.5x1	B	No	Surface Af (CaAa)	67.0000 - 32.0000	1	1	-0.083 -0.083	4.5000	11.0000	0.00
Flat 4.5x1	A	No	Surface Af (CaAa)	67.0000 - 32.0000	1	1	0.417 0.417	4.5000	11.0000	0.00
Flat 4.5x1	A	No	Surface Af	92.0800 -	1	1	-0.250	4.5000	11.0000	0.00

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter r in	Perimeter r in	Weight plf
Flat 4.5x1	C	No	(CaAa) Surface Af	67.0800 - 92.0800	1	1	-0.250 -0.250	4.5000	11.0000	0.00
Flat 4.5x1	B	No	(CaAa) Surface Af	67.0800 - 93.0000	1	1	-0.250 -0.250	4.5000	11.0000	0.00
Flat 4.5x1.25	A	No	(CaAa) Surface Af	63.0000 - 114.1600	1	1	-0.250 -0.250	4.5000	11.5000	0.00
Flat 4.5x1.25	C	No	(CaAa) Surface Af	92.1600 - 114.1600	1	1	-0.250 -0.250	4.5000	11.5000	0.00
Flat 4.5x1.25	B	No	(CaAa) Surface Af	92.1600 - 114.1600	1	1	-0.250 -0.250	4.5000	11.5000	0.00

MP3-03 (L)	C	No	(CaAa) Surface Af	30.7500 - 5.7500	1	1	-0.417 -0.417	4.0600	11.2600	0.00
MP3-03 (L)	B	No	(CaAa) Surface Af	30.7500 - 5.7500	1	1	-0.417 -0.417	4.0600	11.2600	0.00
**										
**										

Feed Line/Linear Appurtenances - Entered As Area

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

HB114-1-08U4-M5F(1-1/4)	C	No	No	Inside Pole	147.0000 - 0.0000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	1.08 1.08 1.08 1.08
HB114-13U3M12-XXXF(1-1/4)	C	No	No	Inside Pole	147.0000 - 0.0000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.99 0.99 0.99 0.99

LDF7-50A(1-5/8)	C	No	No	Inside Pole	136.0000 - 0.0000	12	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
HB158-1-08U8-S8F18(1 5/8")	C	No	No	Inside Pole	136.0000 - 0.0000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	1.70 1.70 1.70 1.70

LDF7-50A(1-5/8)	C	No	No	Inside Pole	129.0000 - 0.0000	6	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

AVA6-50(1-1/4)	C	No	No	Inside Pole	116.0000 - 0.0000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.46 0.46 0.46 0.46
FB-L98B-002-75000(3/8)	C	No	No	Inside Pole	116.0000 - 0.0000	1	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
2" (Nominal) Conduit	C	No	No	Inside Pole	116.0000 - 0.0000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.72 0.72 0.72 0.72
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Feed Line/Linear Appurtenances Section Areas

Tower Sectio n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	147.0000- 142.0000	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	0.02
L2	142.0000- 137.0000	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	0.02
L3	137.0000- 132.0000	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	0.07
L4	132.0000- 127.0000	A	0.000	0.000	0.325	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.10
L5	127.0000- 120.3700	A	0.000	0.000	1.077	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.15
L6	120.3700- 118.6200	A	0.000	0.000	0.284	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.04
L7	118.6200- 113.6200	A	0.000	0.000	1.218	0.000	0.01
		B	0.000	0.000	0.499	0.000	0.00
		C	0.000	0.000	1.142	0.000	0.13
L8	113.6200- 113.0800	A	0.000	0.000	0.493	0.000	0.00
		B	0.000	0.000	0.426	0.000	0.00
		C	0.000	0.000	0.572	0.000	0.02
L9	113.0800- 112.8300	A	0.000	0.000	0.228	0.000	0.00
		B	0.000	0.000	0.197	0.000	0.00
		C	0.000	0.000	0.265	0.000	0.01
L10	112.8300- 112.1600	A	0.000	0.000	0.611	0.000	0.00
		B	0.000	0.000	0.529	0.000	0.00
		C	0.000	0.000	0.710	0.000	0.02
L11	112.1600- 111.9100	A	0.000	0.000	0.296	0.000	0.00
		B	0.000	0.000	0.265	0.000	0.00
		C	0.000	0.000	0.332	0.000	0.01
L12	111.9100- 110.5000	A	0.000	0.000	2.344	0.000	0.00
		B	0.000	0.000	2.171	0.000	0.00
		C	0.000	0.000	2.552	0.000	0.04
L13	110.5000- 110.2500	A	0.000	0.000	0.416	0.000	0.00
		B	0.000	0.000	0.385	0.000	0.00
		C	0.000	0.000	0.452	0.000	0.01
L14	110.2500- 105.2500	A	0.000	0.000	9.302	0.000	0.01
		B	0.000	0.000	8.686	0.000	0.00
		C	0.000	0.000	10.038	0.000	0.15
L15	105.2500- 105.0000	A	0.000	0.000	0.614	0.000	0.00
		B	0.000	0.000	0.583	0.000	0.00
		C	0.000	0.000	0.650	0.000	0.01
L16	105.0000- 104.7500	A	0.000	0.000	0.614	0.000	0.00
		B	0.000	0.000	0.583	0.000	0.00
		C	0.000	0.000	0.650	0.000	0.01
L17	104.7500- 103.5000	A	0.000	0.000	3.068	0.000	0.00
		B	0.000	0.000	2.914	0.000	0.00
		C	0.000	0.000	3.252	0.000	0.04
L18	103.5000- 103.2500	A	0.000	0.000	0.614	0.000	0.00
		B	0.000	0.000	0.583	0.000	0.00
		C	0.000	0.000	0.650	0.000	0.01
L19	103.2500- 98.2500	A	0.000	0.000	9.458	0.000	0.01
		B	0.000	0.000	8.843	0.000	0.00
		C	0.000	0.000	10.194	0.000	0.15
L20	98.2500-94.1700	A	0.000	0.000	8.153	0.000	0.00
		B	0.000	0.000	7.651	0.000	0.00
		C	0.000	0.000	8.753	0.000	0.12
L21	94.1700-93.9200	A	0.000	0.000	0.593	0.000	0.00

Tower Sectio n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L22	93.9200-93.0000	B	0.000	0.000	0.562	0.000	0.00
		C	0.000	0.000	0.629	0.000	0.01
		A	0.000	0.000	2.181	0.000	0.00
L23	93.0000-92.7500	B	0.000	0.000	2.068	0.000	0.00
		C	0.000	0.000	2.316	0.000	0.03
		A	0.000	0.000	0.593	0.000	0.00
L24	92.7500-92.0000	B	0.000	0.000	0.749	0.000	0.00
		C	0.000	0.000	0.629	0.000	0.01
		A	0.000	0.000	1.718	0.000	0.00
L25	92.0000-91.7500	B	0.000	0.000	2.128	0.000	0.00
		C	0.000	0.000	1.828	0.000	0.02
		A	0.000	0.000	0.593	0.000	0.00
L26	91.7500-84.9100	B	0.000	0.000	0.562	0.000	0.00
		C	0.000	0.000	0.629	0.000	0.01
		A	0.000	0.000	16.217	0.000	0.01
L27	84.9100-83.9100	B	0.000	0.000	15.374	0.000	0.00
		C	0.000	0.000	17.223	0.000	0.20
		A	0.000	0.000	2.371	0.000	0.00
L28	83.9100-78.9100	B	0.000	0.000	2.248	0.000	0.00
		C	0.000	0.000	2.518	0.000	0.03
		A	0.000	0.000	11.854	0.000	0.01
L29	78.9100-73.9100	B	0.000	0.000	11.239	0.000	0.00
		C	0.000	0.000	12.590	0.000	0.15
		A	0.000	0.000	11.854	0.000	0.01
L30	73.9100-68.9100	B	0.000	0.000	11.239	0.000	0.00
		C	0.000	0.000	12.590	0.000	0.15
		A	0.000	0.000	11.854	0.000	0.01
L31	68.9100-67.0000	B	0.000	0.000	11.239	0.000	0.00
		C	0.000	0.000	12.590	0.000	0.15
		A	0.000	0.000	4.468	0.000	0.00
L32	67.0000-66.7500	B	0.000	0.000	4.293	0.000	0.00
		C	0.000	0.000	4.749	0.000	0.06
		A	0.000	0.000	0.780	0.000	0.00
L33	66.7500-65.5000	B	0.000	0.000	0.749	0.000	0.00
		C	0.000	0.000	0.629	0.000	0.01
		A	0.000	0.000	3.901	0.000	0.00
L34	65.5000-65.2500	B	0.000	0.000	3.747	0.000	0.00
		C	0.000	0.000	3.147	0.000	0.04
		A	0.000	0.000	0.780	0.000	0.00
L35	65.2500-64.5000	B	0.000	0.000	0.749	0.000	0.00
		C	0.000	0.000	0.629	0.000	0.01
		A	0.000	0.000	2.341	0.000	0.00
L36	64.5000-64.2500	B	0.000	0.000	2.248	0.000	0.00
		C	0.000	0.000	1.888	0.000	0.02
		A	0.000	0.000	0.780	0.000	0.00
L37	64.2500-59.5000	B	0.000	0.000	0.749	0.000	0.00
		C	0.000	0.000	0.629	0.000	0.01
		A	0.000	0.000	14.854	0.000	0.01
L38	59.5000-59.2500	B	0.000	0.000	11.644	0.000	0.00
		C	0.000	0.000	11.990	0.000	0.14
		A	0.000	0.000	0.811	0.000	0.00
L39	59.2500-58.5800	B	0.000	0.000	0.593	0.000	0.00
		C	0.000	0.000	0.661	0.000	0.01
		A	0.000	0.000	2.175	0.000	0.00
L40	58.5800-58.3300	B	0.000	0.000	1.590	0.000	0.00
		C	0.000	0.000	1.771	0.000	0.02
		A	0.000	0.000	0.811	0.000	0.00
L41	58.3300-53.3300	B	0.000	0.000	0.593	0.000	0.00
		C	0.000	0.000	0.661	0.000	0.01
		A	0.000	0.000	16.229	0.000	0.01
L42	53.3300-44.4100	B	0.000	0.000	11.864	0.000	0.00
		C	0.000	0.000	13.215	0.000	0.15
		A	0.000	0.000	28.953	0.000	0.01
L43	44.4100-43.4100	B	0.000	0.000	21.165	0.000	0.00
		C	0.000	0.000	23.924	0.000	0.26
		A	0.000	0.000	3.246	0.000	0.00
L44	43.4100-38.4100	B	0.000	0.000	2.373	0.000	0.00
		C	0.000	0.000	2.705	0.000	0.03
		A	0.000	0.000	16.229	0.000	0.01

Tower Sectio n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B	0.000	0.000	11.864	0.000	0.00
		C	0.000	0.000	13.527	0.000	0.15
L45	38.4100-34.5000	A	0.000	0.000	15.316	0.000	0.00
		B	0.000	0.000	11.902	0.000	0.00
		C	0.000	0.000	10.578	0.000	0.12
L46	34.5000-34.2500	A	0.000	0.000	1.186	0.000	0.00
		B	0.000	0.000	0.968	0.000	0.00
		C	0.000	0.000	0.676	0.000	0.01
L47	34.2500-33.5000	A	0.000	0.000	3.559	0.000	0.00
		B	0.000	0.000	2.905	0.000	0.00
		C	0.000	0.000	2.029	0.000	0.02
L48	33.5000-33.2500	A	0.000	0.000	1.186	0.000	0.00
		B	0.000	0.000	0.968	0.000	0.00
		C	0.000	0.000	0.676	0.000	0.01
L49	33.2500-30.5000	A	0.000	0.000	10.741	0.000	0.00
		B	0.000	0.000	9.634	0.000	0.00
		C	0.000	0.000	6.424	0.000	0.08
L50	30.5000-30.2500	A	0.000	0.000	0.811	0.000	0.00
		B	0.000	0.000	0.950	0.000	0.00
		C	0.000	0.000	0.658	0.000	0.01
L51	30.2500-29.7500	A	0.000	0.000	1.623	0.000	0.00
		B	0.000	0.000	1.900	0.000	0.00
		C	0.000	0.000	1.316	0.000	0.01
L52	29.7500-29.5000	A	0.000	0.000	0.811	0.000	0.00
		B	0.000	0.000	0.950	0.000	0.00
		C	0.000	0.000	0.658	0.000	0.01
L53	29.5000-29.0000	A	0.000	0.000	1.623	0.000	0.00
		B	0.000	0.000	1.900	0.000	0.00
		C	0.000	0.000	1.316	0.000	0.01
L54	29.0000-28.7500	A	0.000	0.000	0.811	0.000	0.00
		B	0.000	0.000	0.950	0.000	0.00
		C	0.000	0.000	0.658	0.000	0.01
L55	28.7500-27.5800	A	0.000	0.000	3.798	0.000	0.00
		B	0.000	0.000	4.445	0.000	0.00
		C	0.000	0.000	3.080	0.000	0.03
L56	27.5800-27.3300	A	0.000	0.000	0.811	0.000	0.00
		B	0.000	0.000	0.950	0.000	0.00
		C	0.000	0.000	0.658	0.000	0.01
L57	27.3300-22.3300	A	0.000	0.000	16.229	0.000	0.01
		B	0.000	0.000	18.997	0.000	0.00
		C	0.000	0.000	13.161	0.000	0.15
L58	22.3300-17.3300	A	0.000	0.000	16.229	0.000	0.01
		B	0.000	0.000	18.997	0.000	0.00
		C	0.000	0.000	13.161	0.000	0.15
L59	17.3300-12.3300	A	0.000	0.000	16.229	0.000	0.01
		B	0.000	0.000	18.997	0.000	0.00
		C	0.000	0.000	13.161	0.000	0.15
L60	12.3300-7.3300	A	0.000	0.000	16.229	0.000	0.01
		B	0.000	0.000	18.997	0.000	0.00
		C	0.000	0.000	16.041	0.000	0.15
L61	7.3300-6.7500	A	0.000	0.000	1.883	0.000	0.00
		B	0.000	0.000	2.204	0.000	0.00
		C	0.000	0.000	2.434	0.000	0.02
L62	6.7500-6.5000	A	0.000	0.000	0.811	0.000	0.00
		B	0.000	0.000	0.950	0.000	0.00
		C	0.000	0.000	1.049	0.000	0.01
L63	6.5000-3.0000	A	0.000	0.000	11.360	0.000	0.00
		B	0.000	0.000	11.437	0.000	0.00
		C	0.000	0.000	11.722	0.000	0.10
L64	3.0000-2.7500	A	0.000	0.000	0.811	0.000	0.00
		B	0.000	0.000	0.781	0.000	0.00
		C	0.000	0.000	0.672	0.000	0.01
L65	2.7500-2.5000	A	0.000	0.000	0.811	0.000	0.00
		B	0.000	0.000	0.781	0.000	0.00
		C	0.000	0.000	0.672	0.000	0.01
L66	2.5000-2.2500	A	0.000	0.000	0.811	0.000	0.00
		B	0.000	0.000	0.781	0.000	0.00
		C	0.000	0.000	0.672	0.000	0.01
L67	2.2500-0.0000	A	0.000	0.000	5.053	0.000	0.00

Tower Sectio n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B	0.000	0.000	4.776	0.000	0.00
		C	0.000	0.000	5.672	0.000	0.07

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Sectio n	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	147.0000- 142.0000	A	1.478	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	0.02
L2	142.0000- 137.0000	A	1.473	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	0.02
L3	137.0000- 132.0000	A	1.467	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	0.07
L4	132.0000- 127.0000	A	1.462	0.000	0.000	0.910	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.10
L5	127.0000- 120.3700	A	1.455	0.000	0.000	3.007	0.000	0.04
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.15
L6	120.3700- 118.6200	A	1.450	0.000	0.000	0.794	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.04
L7	118.6200- 113.6200	A	1.446	0.000	0.000	2.820	0.000	0.04
		B		0.000	0.000	1.343	0.000	0.01
		C		0.000	0.000	2.343	0.000	0.15
L8	113.6200- 113.0800	A	1.442	0.000	0.000	0.804	0.000	0.01
		B		0.000	0.000	0.738	0.000	0.01
		C		0.000	0.000	0.964	0.000	0.02
L9	113.0800- 112.8300	A	1.442	0.000	0.000	0.372	0.000	0.00
		B		0.000	0.000	0.342	0.000	0.00
		C		0.000	0.000	0.446	0.000	0.01
L10	112.8300- 112.1600	A	1.441	0.000	0.000	0.998	0.000	0.01
		B		0.000	0.000	0.915	0.000	0.01
		C		0.000	0.000	1.196	0.000	0.03
L11	112.1600- 111.9100	A	1.441	0.000	0.000	0.454	0.000	0.00
		B		0.000	0.000	0.424	0.000	0.00
		C		0.000	0.000	0.529	0.000	0.01
L12	111.9100- 110.5000	A	1.440	0.000	0.000	3.386	0.000	0.04
		B		0.000	0.000	3.212	0.000	0.03
		C		0.000	0.000	3.804	0.000	0.08
L13	110.5000- 110.2500	A	1.439	0.000	0.000	0.600	0.000	0.01
		B		0.000	0.000	0.569	0.000	0.01
		C		0.000	0.000	0.674	0.000	0.01
L14	110.2500- 105.2500	A	1.435	0.000	0.000	13.344	0.000	0.14
		B		0.000	0.000	12.728	0.000	0.12
		C		0.000	0.000	14.825	0.000	0.29
L15	105.2500- 105.0000	A	1.432	0.000	0.000	0.869	0.000	0.01
		B		0.000	0.000	0.838	0.000	0.01
		C		0.000	0.000	0.943	0.000	0.02
L16	105.0000- 104.7500	A	1.431	0.000	0.000	0.869	0.000	0.01
		B		0.000	0.000	0.838	0.000	0.01
		C		0.000	0.000	0.943	0.000	0.02
L17	104.7500- 103.5000	A	1.430	0.000	0.000	4.343	0.000	0.04
		B		0.000	0.000	4.189	0.000	0.04
		C		0.000	0.000	4.713	0.000	0.08
L18	103.5000- 103.2500	A	1.429	0.000	0.000	0.868	0.000	0.01
		B		0.000	0.000	0.838	0.000	0.01
		C		0.000	0.000	0.942	0.000	0.02
L19	103.2500- 98.2500	A	1.426	0.000	0.000	13.937	0.000	0.14
		B		0.000	0.000	13.321	0.000	0.12
		C		0.000	0.000	15.416	0.000	0.29
L20	98.2500-94.1700	A	1.419	0.000	0.000	12.137	0.000	0.12

Tower Sectio n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight K
		B		0.000	0.000	11.635	0.000	0.10
		C		0.000	0.000	13.343	0.000	0.24
L21	94.1700-93.9200	A	1.416	0.000	0.000	0.876	0.000	0.01
		B		0.000	0.000	0.845	0.000	0.01
		C		0.000	0.000	0.950	0.000	0.02
L22	93.9200-93.0000	A	1.415	0.000	0.000	3.223	0.000	0.03
		B		0.000	0.000	3.109	0.000	0.03
		C		0.000	0.000	3.494	0.000	0.06
L23	93.0000-92.7500	A	1.414	0.000	0.000	0.876	0.000	0.01
		B		0.000	0.000	1.103	0.000	0.01
		C		0.000	0.000	0.949	0.000	0.02
L24	92.7500-92.0000	A	1.413	0.000	0.000	2.543	0.000	0.02
		B		0.000	0.000	3.143	0.000	0.03
		C		0.000	0.000	2.765	0.000	0.05
L25	92.0000-91.7500	A	1.412	0.000	0.000	0.875	0.000	0.01
		B		0.000	0.000	0.844	0.000	0.01
		C		0.000	0.000	0.949	0.000	0.02
L26	91.7500-84.9100	A	1.407	0.000	0.000	23.915	0.000	0.22
		B		0.000	0.000	23.073	0.000	0.20
		C		0.000	0.000	25.932	0.000	0.43
L27	84.9100-83.9100	A	1.401	0.000	0.000	3.496	0.000	0.03
		B		0.000	0.000	3.373	0.000	0.03
		C		0.000	0.000	3.791	0.000	0.06
L28	83.9100-78.9100	A	1.395	0.000	0.000	17.436	0.000	0.16
		B		0.000	0.000	16.820	0.000	0.15
		C		0.000	0.000	18.907	0.000	0.31
L29	78.9100-73.9100	A	1.387	0.000	0.000	17.401	0.000	0.16
		B		0.000	0.000	16.785	0.000	0.15
		C		0.000	0.000	18.870	0.000	0.31
L30	73.9100-68.9100	A	1.377	0.000	0.000	17.363	0.000	0.16
		B		0.000	0.000	16.748	0.000	0.14
		C		0.000	0.000	18.830	0.000	0.31
L31	68.9100-67.0000	A	1.371	0.000	0.000	6.540	0.000	0.06
		B		0.000	0.000	6.387	0.000	0.05
		C		0.000	0.000	7.100	0.000	0.12
L32	67.0000-66.7500	A	1.368	0.000	0.000	1.122	0.000	0.01
		B		0.000	0.000	1.092	0.000	0.01
		C		0.000	0.000	0.940	0.000	0.02
L33	66.7500-65.5000	A	1.367	0.000	0.000	5.610	0.000	0.05
		B		0.000	0.000	5.456	0.000	0.05
		C		0.000	0.000	4.696	0.000	0.08
L34	65.5000-65.2500	A	1.365	0.000	0.000	1.122	0.000	0.01
		B		0.000	0.000	1.091	0.000	0.01
		C		0.000	0.000	0.939	0.000	0.02
L35	65.2500-64.5000	A	1.364	0.000	0.000	3.364	0.000	0.03
		B		0.000	0.000	3.271	0.000	0.03
		C		0.000	0.000	2.816	0.000	0.05
L36	64.5000-64.2500	A	1.363	0.000	0.000	1.121	0.000	0.01
		B		0.000	0.000	1.090	0.000	0.01
		C		0.000	0.000	0.938	0.000	0.02
L37	64.2500-59.5000	A	1.358	0.000	0.000	21.279	0.000	0.19
		B		0.000	0.000	17.118	0.000	0.15
		C		0.000	0.000	17.815	0.000	0.29
L38	59.5000-59.2500	A	1.352	0.000	0.000	1.149	0.000	0.01
		B		0.000	0.000	0.864	0.000	0.01
		C		0.000	0.000	0.967	0.000	0.02
L39	59.2500-58.5800	A	1.351	0.000	0.000	3.080	0.000	0.03
		B		0.000	0.000	2.314	0.000	0.02
		C		0.000	0.000	2.592	0.000	0.04
L40	58.5800-58.3300	A	1.350	0.000	0.000	1.149	0.000	0.01
		B		0.000	0.000	0.863	0.000	0.01
		C		0.000	0.000	0.967	0.000	0.02
L41	58.3300-53.3300	A	1.344	0.000	0.000	22.948	0.000	0.20
		B		0.000	0.000	17.239	0.000	0.14
		C		0.000	0.000	19.313	0.000	0.31
L42	53.3300-44.4100	A	1.326	0.000	0.000	40.780	0.000	0.35
		B		0.000	0.000	30.627	0.000	0.25
		C		0.000	0.000	36.151	0.000	0.56
L43	44.4100-43.4100	A	1.312	0.000	0.000	4.572	0.000	0.04

Tower Section n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight K
		B		0.000	0.000	3.433	0.000	0.03
		C		0.000	0.000	4.175	0.000	0.06
L44	43.4100-38.4100	A	1.303	0.000	0.000	22.742	0.000	0.19
		B		0.000	0.000	17.074	0.000	0.14
		C		0.000	0.000	20.753	0.000	0.32
L45	38.4100-34.5000	A	1.288	0.000	0.000	21.253	0.000	0.18
		B		0.000	0.000	16.832	0.000	0.14
		C		0.000	0.000	16.168	0.000	0.25
L46	34.5000-34.2500	A	1.280	0.000	0.000	1.635	0.000	0.01
		B		0.000	0.000	1.352	0.000	0.01
		C		0.000	0.000	1.032	0.000	0.02
L47	34.2500-33.5000	A	1.278	0.000	0.000	4.902	0.000	0.04
		B		0.000	0.000	4.055	0.000	0.03
		C		0.000	0.000	3.094	0.000	0.05
L48	33.5000-33.2500	A	1.276	0.000	0.000	1.633	0.000	0.01
		B		0.000	0.000	1.351	0.000	0.01
		C		0.000	0.000	1.031	0.000	0.02
L49	33.2500-30.5000	A	1.271	0.000	0.000	14.850	0.000	0.12
		B		0.000	0.000	13.489	0.000	0.11
		C		0.000	0.000	9.968	0.000	0.16
L50	30.5000-30.2500	A	1.264	0.000	0.000	1.128	0.000	0.01
		B		0.000	0.000	1.329	0.000	0.01
		C		0.000	0.000	1.009	0.000	0.02
L51	30.2500-29.7500	A	1.263	0.000	0.000	2.254	0.000	0.02
		B		0.000	0.000	2.657	0.000	0.02
		C		0.000	0.000	2.018	0.000	0.03
L52	29.7500-29.5000	A	1.261	0.000	0.000	1.127	0.000	0.01
		B		0.000	0.000	1.328	0.000	0.01
		C		0.000	0.000	1.008	0.000	0.02
L53	29.5000-29.0000	A	1.260	0.000	0.000	2.253	0.000	0.02
		B		0.000	0.000	2.656	0.000	0.02
		C		0.000	0.000	2.016	0.000	0.03
L54	29.0000-28.7500	A	1.258	0.000	0.000	1.126	0.000	0.01
		B		0.000	0.000	1.327	0.000	0.01
		C		0.000	0.000	1.008	0.000	0.02
L55	28.7500-27.5800	A	1.255	0.000	0.000	5.266	0.000	0.04
		B		0.000	0.000	6.207	0.000	0.05
		C		0.000	0.000	4.712	0.000	0.07
L56	27.5800-27.3300	A	1.252	0.000	0.000	1.124	0.000	0.01
		B		0.000	0.000	1.325	0.000	0.01
		C		0.000	0.000	1.006	0.000	0.02
L57	27.3300-22.3300	A	1.239	0.000	0.000	22.425	0.000	0.18
		B		0.000	0.000	26.432	0.000	0.21
		C		0.000	0.000	20.053	0.000	0.31
L58	22.3300-17.3300	A	1.212	0.000	0.000	22.287	0.000	0.18
		B		0.000	0.000	26.267	0.000	0.20
		C		0.000	0.000	19.909	0.000	0.30
L59	17.3300-12.3300	A	1.177	0.000	0.000	22.114	0.000	0.17
		B		0.000	0.000	26.058	0.000	0.19
		C		0.000	0.000	19.726	0.000	0.30
L60	12.3300-7.3300	A	1.129	0.000	0.000	21.876	0.000	0.16
		B		0.000	0.000	25.774	0.000	0.18
		C		0.000	0.000	22.802	0.000	0.32
L61	7.3300-6.7500	A	1.092	0.000	0.000	2.516	0.000	0.02
		B		0.000	0.000	2.964	0.000	0.02
		C		0.000	0.000	3.280	0.000	0.04
L62	6.7500-6.5000	A	1.086	0.000	0.000	1.083	0.000	0.01
		B		0.000	0.000	1.276	0.000	0.01
		C		0.000	0.000	1.412	0.000	0.02
L63	6.5000-3.0000	A	1.050	0.000	0.000	15.036	0.000	0.10
		B		0.000	0.000	15.270	0.000	0.10
		C		0.000	0.000	15.783	0.000	0.21
L64	3.0000-2.7500	A	0.999	0.000	0.000	1.061	0.000	0.01
		B		0.000	0.000	1.030	0.000	0.01
		C		0.000	0.000	0.907	0.000	0.01
L65	2.7500-2.5000	A	0.990	0.000	0.000	1.059	0.000	0.01
		B		0.000	0.000	1.028	0.000	0.01
		C		0.000	0.000	0.905	0.000	0.01
L66	2.5000-2.2500	A	0.980	0.000	0.000	1.056	0.000	0.01

Tower Sectio n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L67	2.2500-0.0000	B	0.909	0.000	0.000	1.026	0.000	0.01
		C		0.000	0.000	0.903	0.000	0.01
		A		0.000	0.000	6.553	0.000	0.04
		B		0.000	0.000	6.276	0.000	0.04
		C		0.000	0.000	7.525	0.000	0.11

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	147.0000-142.0000	0.0000	0.0000	0.0000	0.0000
L2	142.0000-137.0000	0.0000	0.0000	0.0000	0.0000
L3	137.0000-132.0000	0.0000	0.0000	0.0000	0.0000
L4	132.0000-127.0000	-0.3884	-0.3884	-0.5643	-0.5643
L5	127.0000-120.3700	-0.8920	-0.8920	-1.2652	-1.2652
L6	120.3700-118.6200	-0.8931	-0.8931	-1.2716	-1.2716
L7	118.6200-113.6200	0.0676	-0.0834	0.2282	-0.0619
L8	113.6200-113.0800	0.4330	0.2826	0.8062	0.4801
L9	113.0800-112.8300	0.4340	0.2832	0.8082	0.4813
L10	112.8300-112.1600	0.4352	0.2840	0.8105	0.4827
L11	112.1600-111.9100	0.3067	0.2002	0.7174	0.4273
L12	111.9100-110.5000	0.2456	0.1603	0.5958	0.3549
L13	110.5000-110.2500	0.2470	0.1612	0.5994	0.3571
L14	110.2500-105.2500	0.2317	0.1513	0.5650	0.3368
L15	105.2500-105.0000	0.1916	0.1251	0.4712	0.2810
L16	105.0000-104.7500	0.1920	0.1254	0.4721	0.2815
L17	104.7500-103.5000	0.1929	0.1260	0.4745	0.2830
L18	103.5000-103.2500	0.1938	0.1266	0.4768	0.2844
L19	103.2500-98.2500	0.2387	0.1560	0.5721	0.3415
L20	98.2500-94.1700	0.2356	0.1540	0.5607	0.3349
L21	94.1700-93.9200	0.2106	0.1377	0.5025	0.3002
L22	93.9200-93.0000	0.2113	0.1382	0.5042	0.3013
L23	93.0000-92.7500	0.2778	-0.9536	0.5502	-0.7674
L24	92.7500-92.0000	0.2785	-0.8668	0.5600	-0.6772
L25	92.0000-91.7500	0.2133	0.1395	0.5092	0.3044
L26	91.7500-84.9100	0.2175	0.1423	0.5198	0.3109
L27	84.9100-83.9100	0.2194	0.1436	0.5248	0.3139
L28	83.9100-78.9100	0.2229	0.1459	0.5328	0.3190
L29	78.9100-73.9100	0.2287	0.1497	0.5472	0.3279
L30	73.9100-68.9100	0.2344	0.1535	0.5611	0.3365
L31	68.9100-67.0000	0.2438	0.1019	0.5781	0.2904
L32	67.0000-66.7500	1.5385	-1.8188	1.8101	-1.6210
L33	66.7500-65.5000	1.5440	-1.8251	1.8170	-1.6273
L34	65.5000-65.2500	1.5498	-1.8318	1.8242	-1.6338
L35	65.2500-64.5000	1.5534	-1.8360	1.8288	-1.6380
L36	64.5000-64.2500	1.5569	-1.8401	1.8333	-1.6421

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L37	64.2500-59.5000	1.5817	-1.0384	1.8781	-0.8451
L38	59.5000-59.2500	1.5525	-0.7159	1.8634	-0.5327
L39	59.2500-58.5800	1.5557	-0.7173	1.8676	-0.5339
L40	58.5800-58.3300	1.5590	-0.7188	1.8718	-0.5351
L41	58.3300-53.3300	1.5773	-0.7268	1.8952	-0.5420
L42	53.3300-44.4100	1.6293	-0.6863	1.9684	-0.3265
L43	44.4100-43.4100	1.6455	-0.6560	1.9940	-0.1950
L44	43.4100-38.4100	1.6658	-0.6637	2.0172	-0.2023
L45	38.4100-34.5000	1.0797	-0.1697	1.4100	0.2441
L46	34.5000-34.2500	0.4840	0.3249	0.7851	0.6920
L47	34.2500-33.5000	0.4851	0.3257	0.7867	0.6933
L48	33.5000-33.2500	0.4860	0.3264	0.7881	0.6945
L49	33.2500-30.5000	-0.1071	0.7303	0.2366	1.1369
L50	30.5000-30.2500	-0.4694	-1.2283	-0.1054	-0.8328
L51	30.2500-29.7500	-0.4702	-1.2300	-0.1059	-0.8343
L52	29.7500-29.5000	-0.4709	-1.2319	-0.1063	-0.8359
L53	29.5000-29.0000	-0.4716	-1.2336	-0.1068	-0.8375
L54	29.0000-28.7500	-0.4724	-1.2353	-0.1073	-0.8390
L55	28.7500-27.5800	-0.4737	-1.2385	-0.1082	-0.8420
L56	27.5800-27.3300	-0.4751	-1.2417	-0.1091	-0.8449
L57	27.3300-22.3300	-0.4801	-1.2536	-0.1127	-0.8561
L58	22.3300-17.3300	-0.4895	-1.2759	-0.1202	-0.8779
L59	17.3300-12.3300	-0.4987	-1.2979	-0.1292	-0.9012
L60	12.3300-7.3300	-0.6436	-0.9806	-0.2766	-0.6415
L61	7.3300-6.7500	-0.8558	-0.4744	-0.4962	-0.2119
L62	6.7500-6.5000	-0.8571	-0.4751	-0.4983	-0.2131
L63	6.5000-3.0000	-1.3413	-0.0843	-0.9739	0.2398
L64	3.0000-2.7500	-1.3137	-0.6474	-0.9383	-0.2933
L65	2.7500-2.5000	-1.3148	-0.6479	-0.9411	-0.2954
L66	2.5000-2.2500	-1.3159	-0.6485	-0.9441	-0.2978
L67	2.2500-0.0000	-0.6976	-1.1214	-0.2603	-0.7230

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
L4	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	127.00 - 129.00	1.0000	1.0000
L5	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	120.37 - 127.00	1.0000	1.0000
L6	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	118.62 - 120.37	1.0000	1.0000
L7	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	113.62 - 118.62	1.0000	1.0000
L7	17	FB-L98B-002-75000(3/8)	113.62 - 116.00	1.0000	1.0000
L7	18	WR-VG86ST-BRD (3/4")	113.62 - 116.00	1.0000	1.0000
L7	65	Flat 4.5x1.25	113.62 - 114.16	1.0000	1.0000
L7	66	Flat 4.5x1.25	113.62 - 114.16	1.0000	1.0000
L7	67	Flat 4.5x1.25	113.62 - 114.16	1.0000	1.0000
L8	13	MLE HYBRID	113.08 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
		9POWER/18FIBER RL	113.62		
		2(1-5/8)			
L8	17	FB-L98B-002-75000(3/8)	113.08 - 113.62	1.0000	1.0000
L8	18	WR-VG86ST-BRD (3/4")	113.08 - 113.62	1.0000	1.0000
L8	65	Flat 4.5x1.25	113.08 - 113.62	1.0000	1.0000
L8	66	Flat 4.5x1.25	113.08 - 113.62	1.0000	1.0000
L8	67	Flat 4.5x1.25	113.08 - 113.62	1.0000	1.0000
L9	13	MLE HYBRID	112.83 - 113.08	1.0000	1.0000
		9POWER/18FIBER RL			
		2(1-5/8)			
L9	17	FB-L98B-002-75000(3/8)	112.83 - 113.08	1.0000	1.0000
L9	18	WR-VG86ST-BRD (3/4")	112.83 - 113.08	1.0000	1.0000
L9	65	Flat 4.5x1.25	112.83 - 113.08	1.0000	1.0000
L9	66	Flat 4.5x1.25	112.83 - 113.08	1.0000	1.0000
L9	67	Flat 4.5x1.25	112.83 - 113.08	1.0000	1.0000
L10	13	MLE HYBRID	112.16 - 112.83	1.0000	1.0000
		9POWER/18FIBER RL			
		2(1-5/8)			
L10	17	FB-L98B-002-75000(3/8)	112.16 - 112.83	1.0000	1.0000
L10	18	WR-VG86ST-BRD (3/4")	112.16 - 112.83	1.0000	1.0000
L10	65	Flat 4.5x1.25	112.16 - 112.83	1.0000	1.0000
L10	66	Flat 4.5x1.25	112.16 - 112.83	1.0000	1.0000
L10	67	Flat 4.5x1.25	112.16 - 112.83	1.0000	1.0000
L11	13	MLE HYBRID	111.91 - 112.16	1.0000	1.0000
		9POWER/18FIBER RL			
		2(1-5/8)			
L11	17	FB-L98B-002-75000(3/8)	111.91 - 112.16	1.0000	1.0000
L11	18	WR-VG86ST-BRD (3/4")	111.91 - 112.16	1.0000	1.0000
L11	50	Flat 4.5x1	111.91 - 112.00	1.0000	1.0000
L11	51	Flat 4.5x1	111.91 - 112.00	1.0000	1.0000
L11	52	Flat 4.5x1	111.91 - 112.00	1.0000	1.0000
L11	65	Flat 4.5x1.25	111.91 - 112.16	1.0000	1.0000
L11	66	Flat 4.5x1.25	111.91 - 112.16	1.0000	1.0000
L11	67	Flat 4.5x1.25	111.91 - 112.16	1.0000	1.0000
L12	13	MLE HYBRID	110.50 - 111.91	1.0000	1.0000
		9POWER/18FIBER RL			
		2(1-5/8)			
L12	17	FB-L98B-002-75000(3/8)	110.50 - 111.91	1.0000	1.0000
L12	18	WR-VG86ST-BRD (3/4")	110.50 - 111.91	1.0000	1.0000
L12	50	Flat 4.5x1	110.50 - 111.91	1.0000	1.0000
L12	51	Flat 4.5x1	110.50 - 111.91	1.0000	1.0000
L12	52	Flat 4.5x1	110.50 - 111.91	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L12	65	Flat 4.5x1.25	111.91 110.50 -	1.0000	1.0000
L12	66	Flat 4.5x1.25	111.91 110.50 -	1.0000	1.0000
L12	67	Flat 4.5x1.25	111.91 110.50 -	1.0000	1.0000
L13	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	110.25 - 110.50	1.0000	1.0000
L13	17	FB-L98B-002-75000(3/8)	110.25 - 110.50	1.0000	1.0000
L13	18	WR-VG86ST-BRD (3/4")	110.25 - 110.50	1.0000	1.0000
L13	50	Flat 4.5x1	110.25 - 110.50	1.0000	1.0000
L13	51	Flat 4.5x1	110.25 - 110.50	1.0000	1.0000
L13	52	Flat 4.5x1	110.25 - 110.50	1.0000	1.0000
L13	65	Flat 4.5x1.25	110.25 - 110.50	1.0000	1.0000
L13	66	Flat 4.5x1.25	110.25 - 110.50	1.0000	1.0000
L13	67	Flat 4.5x1.25	110.25 - 110.50	1.0000	1.0000
L14	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	105.25 - 110.25	1.0000	1.0000
L14	17	FB-L98B-002-75000(3/8)	105.25 - 110.25	1.0000	1.0000
L14	18	WR-VG86ST-BRD (3/4")	105.25 - 110.25	1.0000	1.0000
L14	36	Flat 4.75x1.25	105.25 - 106.50	1.0000	1.0000
L14	37	Flat 4.75x1.25	105.25 - 106.50	1.0000	1.0000
L14	38	Flat 4.75x1.25	105.25 - 106.50	1.0000	1.0000
L14	50	Flat 4.5x1	105.25 - 110.25	1.0000	1.0000
L14	51	Flat 4.5x1	105.25 - 110.25	1.0000	1.0000
L14	52	Flat 4.5x1	105.25 - 110.25	1.0000	1.0000
L14	65	Flat 4.5x1.25	105.25 - 110.25	1.0000	1.0000
L14	66	Flat 4.5x1.25	105.25 - 110.25	1.0000	1.0000
L14	67	Flat 4.5x1.25	105.25 - 110.25	1.0000	1.0000
L15	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	105.00 - 105.25	1.0000	1.0000
L15	17	FB-L98B-002-75000(3/8)	105.00 - 105.25	1.0000	1.0000
L15	18	WR-VG86ST-BRD (3/4")	105.00 - 105.25	1.0000	1.0000
L15	36	Flat 4.75x1.25	105.00 - 105.25	1.0000	1.0000
L15	37	Flat 4.75x1.25	105.00 - 105.25	1.0000	1.0000
L15	38	Flat 4.75x1.25	105.00 - 105.25	1.0000	1.0000
L15	50	Flat 4.5x1	105.00 - 105.25	1.0000	1.0000
L15	51	Flat 4.5x1	105.00 - 105.25	1.0000	1.0000
L15	52	Flat 4.5x1	105.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L15	65	Flat 4.5x1.25	105.25 105.00 - 105.25	1.0000	1.0000
L15	66	Flat 4.5x1.25	105.00 - 105.25	1.0000	1.0000
L15	67	Flat 4.5x1.25	105.00 - 105.25	1.0000	1.0000
L16	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	104.75 - 105.00	1.0000	1.0000
L16	17	FB-L98B-002-75000(3/8)	104.75 - 105.00	1.0000	1.0000
L16	18	WR-VG86ST-BRD (3/4")	104.75 - 105.00	1.0000	1.0000
L16	36	Flat 4.75x1.25	104.75 - 105.00	1.0000	1.0000
L16	37	Flat 4.75x1.25	104.75 - 105.00	1.0000	1.0000
L16	38	Flat 4.75x1.25	104.75 - 105.00	1.0000	1.0000
L16	50	Flat 4.5x1	104.75 - 105.00	1.0000	1.0000
L16	51	Flat 4.5x1	104.75 - 105.00	1.0000	1.0000
L16	52	Flat 4.5x1	104.75 - 105.00	1.0000	1.0000
L16	65	Flat 4.5x1.25	104.75 - 105.00	1.0000	1.0000
L16	66	Flat 4.5x1.25	104.75 - 105.00	1.0000	1.0000
L16	67	Flat 4.5x1.25	104.75 - 105.00	1.0000	1.0000
L17	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	103.50 - 104.75	1.0000	1.0000
L17	17	FB-L98B-002-75000(3/8)	103.50 - 104.75	1.0000	1.0000
L17	18	WR-VG86ST-BRD (3/4")	103.50 - 104.75	1.0000	1.0000
L17	36	Flat 4.75x1.25	103.50 - 104.75	1.0000	1.0000
L17	37	Flat 4.75x1.25	103.50 - 104.75	1.0000	1.0000
L17	38	Flat 4.75x1.25	103.50 - 104.75	1.0000	1.0000
L17	50	Flat 4.5x1	103.50 - 104.75	1.0000	1.0000
L17	51	Flat 4.5x1	103.50 - 104.75	1.0000	1.0000
L17	52	Flat 4.5x1	103.50 - 104.75	1.0000	1.0000
L17	65	Flat 4.5x1.25	103.50 - 104.75	1.0000	1.0000
L17	66	Flat 4.5x1.25	103.50 - 104.75	1.0000	1.0000
L17	67	Flat 4.5x1.25	103.50 - 104.75	1.0000	1.0000
L18	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	103.25 - 103.50	1.0000	1.0000
L18	17	FB-L98B-002-75000(3/8)	103.25 - 103.50	1.0000	1.0000
L18	18	WR-VG86ST-BRD (3/4")	103.25 - 103.50	1.0000	1.0000
L18	36	Flat 4.75x1.25	103.25 - 103.50	1.0000	1.0000
L18	37	Flat 4.75x1.25	103.25 - 103.50	1.0000	1.0000
L18	38	Flat 4.75x1.25	103.25 - 103.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L18	50	Flat 4.5x1	103.50 103.25 - 103.50	1.0000	1.0000
L18	51	Flat 4.5x1	103.25 - 103.50	1.0000	1.0000
L18	52	Flat 4.5x1	103.25 - 103.50	1.0000	1.0000
L18	65	Flat 4.5x1.25	103.25 - 103.50	1.0000	1.0000
L18	66	Flat 4.5x1.25	103.25 - 103.50	1.0000	1.0000
L18	67	Flat 4.5x1.25	103.25 - 103.50	1.0000	1.0000
L19	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	98.25 - 103.25	1.0000	1.0000
L19	17	FB-L98B-002-75000(3/8)	98.25 - 103.25	1.0000	1.0000
L19	18	WR-VG86ST-BRD (3/4")	98.25 - 103.25	1.0000	1.0000
L19	36	Flat 4.75x1.25	98.25 - 103.25	1.0000	1.0000
L19	37	Flat 4.75x1.25	98.25 - 103.25	1.0000	1.0000
L19	38	Flat 4.75x1.25	98.25 - 103.25	1.0000	1.0000
L19	50	Flat 4.5x1	102.00 - 103.25	1.0000	1.0000
L19	51	Flat 4.5x1	102.00 - 103.25	1.0000	1.0000
L19	52	Flat 4.5x1	102.00 - 103.25	1.0000	1.0000
L19	65	Flat 4.5x1.25	98.25 - 103.25	1.0000	1.0000
L19	66	Flat 4.5x1.25	98.25 - 103.25	1.0000	1.0000
L19	67	Flat 4.5x1.25	98.25 - 103.25	1.0000	1.0000
L20	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	94.17 - 98.25	1.0000	1.0000
L20	17	FB-L98B-002-75000(3/8)	94.17 - 98.25	1.0000	1.0000
L20	18	WR-VG86ST-BRD (3/4")	94.17 - 98.25	1.0000	1.0000
L20	36	Flat 4.75x1.25	94.17 - 98.25	1.0000	1.0000
L20	37	Flat 4.75x1.25	94.17 - 98.25	1.0000	1.0000
L20	38	Flat 4.75x1.25	94.17 - 98.25	1.0000	1.0000
L20	46	Flat 4x0.75	94.17 - 95.97	1.0000	1.0000
L20	47	Flat 4x0.75	94.17 - 95.97	1.0000	1.0000
L20	48	Flat 4x0.75	94.17 - 95.97	1.0000	1.0000
L20	65	Flat 4.5x1.25	94.17 - 98.25	1.0000	1.0000
L20	66	Flat 4.5x1.25	94.17 - 98.25	1.0000	1.0000
L20	67	Flat 4.5x1.25	94.17 - 98.25	1.0000	1.0000
L21	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	93.92 - 94.17	1.0000	1.0000
L21	17	FB-L98B-002-75000(3/8)	93.92 - 94.17	1.0000	1.0000
L21	18	WR-VG86ST-BRD (3/4")	93.92 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L21	36	Flat 4.75x1.25	94.17 93.92 -	1.0000	1.0000
L21	37	Flat 4.75x1.25	94.17 93.92 -	1.0000	1.0000
L21	38	Flat 4.75x1.25	94.17 93.92 -	1.0000	1.0000
L21	46	Flat 4x0.75	94.17 93.92 -	1.0000	1.0000
L21	47	Flat 4x0.75	94.17 93.92 -	1.0000	1.0000
L21	48	Flat 4x0.75	94.17 93.92 -	1.0000	1.0000
L21	65	Flat 4.5x1.25	94.17 93.92 -	1.0000	1.0000
L21	66	Flat 4.5x1.25	94.17 93.92 -	1.0000	1.0000
L21	67	Flat 4.5x1.25	94.17 93.92 -	1.0000	1.0000
L22	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	93.00 - 93.92	1.0000	1.0000
L22	17	FB-L98B-002-75000(3/8)	93.00 - 93.92	1.0000	1.0000
L22	18	WR-VG86ST-BRD (3/4")	93.00 - 93.92	1.0000	1.0000
L22	36	Flat 4.75x1.25	93.00 - 93.92	1.0000	1.0000
L22	37	Flat 4.75x1.25	93.00 - 93.92	1.0000	1.0000
L22	38	Flat 4.75x1.25	93.00 - 93.92	1.0000	1.0000
L22	46	Flat 4x0.75	93.00 - 93.92	1.0000	1.0000
L22	47	Flat 4x0.75	93.00 - 93.92	1.0000	1.0000
L22	48	Flat 4x0.75	93.00 - 93.92	1.0000	1.0000
L22	65	Flat 4.5x1.25	93.00 - 93.92	1.0000	1.0000
L22	66	Flat 4.5x1.25	93.00 - 93.92	1.0000	1.0000
L22	67	Flat 4.5x1.25	93.00 - 93.92	1.0000	1.0000
L23	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	92.75 - 93.00	1.0000	1.0000
L23	17	FB-L98B-002-75000(3/8)	92.75 - 93.00	1.0000	1.0000
L23	18	WR-VG86ST-BRD (3/4")	92.75 - 93.00	1.0000	1.0000
L23	36	Flat 4.75x1.25	92.75 - 93.00	1.0000	1.0000
L23	37	Flat 4.75x1.25	92.75 - 93.00	1.0000	1.0000
L23	38	Flat 4.75x1.25	92.75 - 93.00	1.0000	1.0000
L23	46	Flat 4x0.75	92.75 - 93.00	1.0000	1.0000
L23	47	Flat 4x0.75	92.75 - 93.00	1.0000	1.0000
L23	48	Flat 4x0.75	92.75 - 93.00	1.0000	1.0000
L23	64	Flat 4.5x1	92.75 - 93.00	1.0000	1.0000
L23	65	Flat 4.5x1.25	92.75 - 93.00	1.0000	1.0000
L23	66	Flat 4.5x1.25	92.75 - 93.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L23	67	Flat 4.5x1.25	92.75 - 93.00	1.0000	1.0000
L24	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	92.00 - 92.75	1.0000	1.0000
L24	17	FB-L98B-002-75000(3/8)	92.00 - 92.75	1.0000	1.0000
L24	18	WR-VG86ST-BRD (3/4")	92.00 - 92.75	1.0000	1.0000
L24	36	Flat 4.75x1.25	92.00 - 92.75	1.0000	1.0000
L24	37	Flat 4.75x1.25	92.00 - 92.75	1.0000	1.0000
L24	38	Flat 4.75x1.25	92.00 - 92.75	1.0000	1.0000
L24	46	Flat 4x0.75	92.00 - 92.75	1.0000	1.0000
L24	47	Flat 4x0.75	92.00 - 92.75	1.0000	1.0000
L24	48	Flat 4x0.75	92.00 - 92.75	1.0000	1.0000
L24	62	Flat 4.5x1	92.00 - 92.08	1.0000	1.0000
L24	63	Flat 4.5x1	92.00 - 92.08	1.0000	1.0000
L24	64	Flat 4.5x1	92.00 - 92.75	1.0000	1.0000
L24	65	Flat 4.5x1.25	92.16 - 92.75	1.0000	1.0000
L24	66	Flat 4.5x1.25	92.16 - 92.75	1.0000	1.0000
L24	67	Flat 4.5x1.25	92.16 - 92.75	1.0000	1.0000
L25	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	91.75 - 92.00	1.0000	1.0000
L25	17	FB-L98B-002-75000(3/8)	91.75 - 92.00	1.0000	1.0000
L25	18	WR-VG86ST-BRD (3/4")	91.75 - 92.00	1.0000	1.0000
L25	36	Flat 4.75x1.25	91.75 - 92.00	1.0000	1.0000
L25	37	Flat 4.75x1.25	91.75 - 92.00	1.0000	1.0000
L25	38	Flat 4.75x1.25	91.75 - 92.00	1.0000	1.0000
L25	46	Flat 4x0.75	91.75 - 92.00	1.0000	1.0000
L25	47	Flat 4x0.75	91.75 - 92.00	1.0000	1.0000
L25	48	Flat 4x0.75	91.75 - 92.00	1.0000	1.0000
L25	62	Flat 4.5x1	91.75 - 92.00	1.0000	1.0000
L25	63	Flat 4.5x1	91.75 - 92.00	1.0000	1.0000
L25	64	Flat 4.5x1	91.75 - 92.00	1.0000	1.0000
L26	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	84.91 - 91.75	1.0000	1.0000
L26	17	FB-L98B-002-75000(3/8)	84.91 - 91.75	1.0000	1.0000
L26	18	WR-VG86ST-BRD (3/4")	84.91 - 91.75	1.0000	1.0000
L26	33	Flat 4.75x1.25	84.91 - 89.25	1.0000	1.0000
L26	34	Flat 4.75x1.25	84.91 - 89.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L26	35	Flat 4.75x1.25	84.91 - 89.25	1.0000	1.0000
L26	36	Flat 4.75x1.25	89.25 - 91.75	1.0000	1.0000
L26	37	Flat 4.75x1.25	89.25 - 91.75	1.0000	1.0000
L26	38	Flat 4.75x1.25	89.25 - 91.75	1.0000	1.0000
L26	46	Flat 4x0.75	84.91 - 91.75	1.0000	1.0000
L26	47	Flat 4x0.75	84.91 - 91.75	1.0000	1.0000
L26	48	Flat 4x0.75	84.91 - 91.75	1.0000	1.0000
L26	62	Flat 4.5x1	84.91 - 91.75	1.0000	1.0000
L26	63	Flat 4.5x1	84.91 - 91.75	1.0000	1.0000
L26	64	Flat 4.5x1	84.91 - 91.75	1.0000	1.0000
L27	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	83.91 - 84.91	1.0000	1.0000
L27	17	FB-L98B-002-75000(3/8)	83.91 - 84.91	1.0000	1.0000
L27	18	WR-VG86ST-BRD (3/4")	83.91 - 84.91	1.0000	1.0000
L27	33	Flat 4.75x1.25	83.91 - 84.91	1.0000	1.0000
L27	34	Flat 4.75x1.25	83.91 - 84.91	1.0000	1.0000
L27	35	Flat 4.75x1.25	83.91 - 84.91	1.0000	1.0000
L27	46	Flat 4x0.75	83.91 - 84.91	1.0000	1.0000
L27	47	Flat 4x0.75	83.91 - 84.91	1.0000	1.0000
L27	48	Flat 4x0.75	83.91 - 84.91	1.0000	1.0000
L27	62	Flat 4.5x1	83.91 - 84.91	1.0000	1.0000
L27	63	Flat 4.5x1	83.91 - 84.91	1.0000	1.0000
L27	64	Flat 4.5x1	83.91 - 84.91	1.0000	1.0000
L28	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	78.91 - 83.91	1.0000	1.0000
L28	17	FB-L98B-002-75000(3/8)	78.91 - 83.91	1.0000	1.0000
L28	18	WR-VG86ST-BRD (3/4")	78.91 - 83.91	1.0000	1.0000
L28	33	Flat 4.75x1.25	78.91 - 83.91	1.0000	1.0000
L28	34	Flat 4.75x1.25	78.91 - 83.91	1.0000	1.0000
L28	35	Flat 4.75x1.25	78.91 - 83.91	1.0000	1.0000
L28	46	Flat 4x0.75	78.91 - 83.91	1.0000	1.0000
L28	47	Flat 4x0.75	78.91 - 83.91	1.0000	1.0000
L28	48	Flat 4x0.75	78.91 - 83.91	1.0000	1.0000
L28	62	Flat 4.5x1	78.91 - 83.91	1.0000	1.0000
L28	63	Flat 4.5x1	78.91 - 83.91	1.0000	1.0000
L28	64	Flat 4.5x1	78.91 - 83.91	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L29	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	83.91 73.91 - 78.91	1.0000	1.0000
L29	17	FB-L98B-002-75000(3/8)	73.91 - 78.91	1.0000	1.0000
L29	18	WR-VG86ST-BRD (3/4")	73.91 - 78.91	1.0000	1.0000
L29	33	Flat 4.75x1.25	73.91 - 78.91	1.0000	1.0000
L29	34	Flat 4.75x1.25	73.91 - 78.91	1.0000	1.0000
L29	35	Flat 4.75x1.25	73.91 - 78.91	1.0000	1.0000
L29	46	Flat 4x0.75	73.91 - 78.91	1.0000	1.0000
L29	47	Flat 4x0.75	73.91 - 78.91	1.0000	1.0000
L29	48	Flat 4x0.75	73.91 - 78.91	1.0000	1.0000
L29	62	Flat 4.5x1	73.91 - 78.91	1.0000	1.0000
L29	63	Flat 4.5x1	73.91 - 78.91	1.0000	1.0000
L29	64	Flat 4.5x1	73.91 - 78.91	1.0000	1.0000
L30	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	68.91 - 73.91	1.0000	1.0000
L30	17	FB-L98B-002-75000(3/8)	68.91 - 73.91	1.0000	1.0000
L30	18	WR-VG86ST-BRD (3/4")	68.91 - 73.91	1.0000	1.0000
L30	33	Flat 4.75x1.25	68.91 - 73.91	1.0000	1.0000
L30	34	Flat 4.75x1.25	68.91 - 73.91	1.0000	1.0000
L30	35	Flat 4.75x1.25	68.91 - 73.91	1.0000	1.0000
L30	46	Flat 4x0.75	68.91 - 73.91	1.0000	1.0000
L30	47	Flat 4x0.75	68.91 - 73.91	1.0000	1.0000
L30	48	Flat 4x0.75	68.91 - 73.91	1.0000	1.0000
L30	62	Flat 4.5x1	68.91 - 73.91	1.0000	1.0000
L30	63	Flat 4.5x1	68.91 - 73.91	1.0000	1.0000
L30	64	Flat 4.5x1	68.91 - 73.91	1.0000	1.0000
L31	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	67.00 - 68.91	1.0000	1.0000
L31	17	FB-L98B-002-75000(3/8)	67.00 - 68.91	1.0000	1.0000
L31	18	WR-VG86ST-BRD (3/4")	67.00 - 68.91	1.0000	1.0000
L31	33	Flat 4.75x1.25	67.00 - 68.91	1.0000	1.0000
L31	34	Flat 4.75x1.25	67.00 - 68.91	1.0000	1.0000
L31	35	Flat 4.75x1.25	67.00 - 68.91	1.0000	1.0000
L31	46	Flat 4x0.75	67.00 - 68.91	1.0000	1.0000
L31	47	Flat 4x0.75	67.00 - 68.91	1.0000	1.0000
L31	48	Flat 4x0.75	67.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L31	62	Flat 4.5x1	68.91 67.08 - 68.91	1.0000	1.0000
L31	63	Flat 4.5x1	67.08 - 68.91	1.0000	1.0000
L31	64	Flat 4.5x1	67.00 - 68.91	1.0000	1.0000
L32	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	66.75 - 67.00	1.0000	1.0000
L32	17	FB-L98B-002-75000(3/8)	66.75 - 67.00	1.0000	1.0000
L32	18	WR-VG86ST-BRD (3/4")	66.75 - 67.00	1.0000	1.0000
L32	33	Flat 4.75x1.25	66.75 - 67.00	1.0000	1.0000
L32	34	Flat 4.75x1.25	66.75 - 67.00	1.0000	1.0000
L32	35	Flat 4.75x1.25	66.75 - 67.00	1.0000	1.0000
L32	46	Flat 4x0.75	66.75 - 67.00	1.0000	1.0000
L32	47	Flat 4x0.75	66.75 - 67.00	1.0000	1.0000
L32	48	Flat 4x0.75	66.75 - 67.00	1.0000	1.0000
L32	58	Flat 4.5x1	66.75 - 67.00	1.0000	1.0000
L32	59	Flat 4.5x1	66.75 - 67.00	1.0000	1.0000
L32	60	Flat 4.5x1	66.75 - 67.00	1.0000	1.0000
L32	61	Flat 4.5x1	66.75 - 67.00	1.0000	1.0000
L32	64	Flat 4.5x1	66.75 - 67.00	1.0000	1.0000
L33	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	65.50 - 66.75	1.0000	1.0000
L33	17	FB-L98B-002-75000(3/8)	65.50 - 66.75	1.0000	1.0000
L33	18	WR-VG86ST-BRD (3/4")	65.50 - 66.75	1.0000	1.0000
L33	33	Flat 4.75x1.25	65.50 - 66.75	1.0000	1.0000
L33	34	Flat 4.75x1.25	65.50 - 66.75	1.0000	1.0000
L33	35	Flat 4.75x1.25	65.50 - 66.75	1.0000	1.0000
L33	46	Flat 4x0.75	65.50 - 66.75	1.0000	1.0000
L33	47	Flat 4x0.75	65.50 - 66.75	1.0000	1.0000
L33	48	Flat 4x0.75	65.50 - 66.75	1.0000	1.0000
L33	58	Flat 4.5x1	65.50 - 66.75	1.0000	1.0000
L33	59	Flat 4.5x1	65.50 - 66.75	1.0000	1.0000
L33	60	Flat 4.5x1	65.50 - 66.75	1.0000	1.0000
L33	61	Flat 4.5x1	65.50 - 66.75	1.0000	1.0000
L33	64	Flat 4.5x1	65.50 - 66.75	1.0000	1.0000
L34	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	65.25 - 65.50	1.0000	1.0000
L34	17	FB-L98B-002-75000(3/8)	65.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L34	18	WR-VG86ST-BRD (3/4")	65.50 65.25 - 65.50	1.0000	1.0000
L34	33	Flat 4.75x1.25	65.25 - 65.50	1.0000	1.0000
L34	34	Flat 4.75x1.25	65.25 - 65.50	1.0000	1.0000
L34	35	Flat 4.75x1.25	65.25 - 65.50	1.0000	1.0000
L34	46	Flat 4x0.75	65.25 - 65.50	1.0000	1.0000
L34	47	Flat 4x0.75	65.25 - 65.50	1.0000	1.0000
L34	48	Flat 4x0.75	65.25 - 65.50	1.0000	1.0000
L34	58	Flat 4.5x1	65.25 - 65.50	1.0000	1.0000
L34	59	Flat 4.5x1	65.25 - 65.50	1.0000	1.0000
L34	60	Flat 4.5x1	65.25 - 65.50	1.0000	1.0000
L34	61	Flat 4.5x1	65.25 - 65.50	1.0000	1.0000
L34	64	Flat 4.5x1	65.25 - 65.50	1.0000	1.0000
L35	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	64.50 - 65.25	1.0000	1.0000
L35	17	FB-L98B-002-75000(3/8)	64.50 - 65.25	1.0000	1.0000
L35	18	WR-VG86ST-BRD (3/4")	64.50 - 65.25	1.0000	1.0000
L35	33	Flat 4.75x1.25	64.50 - 65.25	1.0000	1.0000
L35	34	Flat 4.75x1.25	64.50 - 65.25	1.0000	1.0000
L35	35	Flat 4.75x1.25	64.50 - 65.25	1.0000	1.0000
L35	46	Flat 4x0.75	64.50 - 65.25	1.0000	1.0000
L35	47	Flat 4x0.75	64.50 - 65.25	1.0000	1.0000
L35	48	Flat 4x0.75	64.50 - 65.25	1.0000	1.0000
L35	58	Flat 4.5x1	64.50 - 65.25	1.0000	1.0000
L35	59	Flat 4.5x1	64.50 - 65.25	1.0000	1.0000
L35	60	Flat 4.5x1	64.50 - 65.25	1.0000	1.0000
L35	61	Flat 4.5x1	64.50 - 65.25	1.0000	1.0000
L35	64	Flat 4.5x1	64.50 - 65.25	1.0000	1.0000
L36	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	64.25 - 64.50	1.0000	1.0000
L36	17	FB-L98B-002-75000(3/8)	64.25 - 64.50	1.0000	1.0000
L36	18	WR-VG86ST-BRD (3/4")	64.25 - 64.50	1.0000	1.0000
L36	33	Flat 4.75x1.25	64.25 - 64.50	1.0000	1.0000
L36	34	Flat 4.75x1.25	64.25 - 64.50	1.0000	1.0000
L36	35	Flat 4.75x1.25	64.25 - 64.50	1.0000	1.0000
L36	46	Flat 4x0.75	64.25 - 64.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L36	47	Flat 4x0.75	64.25 - 64.50	1.0000	1.0000
L36	48	Flat 4x0.75	64.25 - 64.50	1.0000	1.0000
L36	58	Flat 4.5x1	64.25 - 64.50	1.0000	1.0000
L36	59	Flat 4.5x1	64.25 - 64.50	1.0000	1.0000
L36	60	Flat 4.5x1	64.25 - 64.50	1.0000	1.0000
L36	61	Flat 4.5x1	64.25 - 64.50	1.0000	1.0000
L36	64	Flat 4.5x1	64.25 - 64.50	1.0000	1.0000
L37	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	59.50 - 64.25	1.0000	1.0000
L37	17	FB-L98B-002-75000(3/8)	59.50 - 64.25	1.0000	1.0000
L37	18	WR-VG86ST-BRD (3/4")	59.50 - 64.25	1.0000	1.0000
L37	33	Flat 4.75x1.25	59.50 - 64.25	1.0000	1.0000
L37	34	Flat 4.75x1.25	59.50 - 64.25	1.0000	1.0000
L37	35	Flat 4.75x1.25	59.50 - 64.25	1.0000	1.0000
L37	43	Flat 4.5x1	59.50 - 60.58	1.0000	1.0000
L37	44	Flat 4.5x1	59.50 - 60.58	1.0000	1.0000
L37	45	Flat 4.5x1	59.50 - 60.58	1.0000	1.0000
L37	46	Flat 4x0.75	60.67 - 64.25	1.0000	1.0000
L37	47	Flat 4x0.75	60.67 - 64.25	1.0000	1.0000
L37	48	Flat 4x0.75	60.67 - 64.25	1.0000	1.0000
L37	58	Flat 4.5x1	59.50 - 64.25	1.0000	1.0000
L37	59	Flat 4.5x1	59.50 - 64.25	1.0000	1.0000
L37	60	Flat 4.5x1	59.50 - 64.25	1.0000	1.0000
L37	61	Flat 4.5x1	59.50 - 64.25	1.0000	1.0000
L37	64	Flat 4.5x1	63.00 - 64.25	1.0000	1.0000
L38	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	59.25 - 59.50	1.0000	1.0000
L38	17	FB-L98B-002-75000(3/8)	59.25 - 59.50	1.0000	1.0000
L38	18	WR-VG86ST-BRD (3/4")	59.25 - 59.50	1.0000	1.0000
L38	30	Flat 5x1.25	59.25 - 59.50	1.0000	1.0000
L38	31	Flat 5x1.25	59.25 - 59.50	1.0000	1.0000
L38	32	Flat 5x1.25	59.25 - 59.50	1.0000	1.0000
L38	43	Flat 4.5x1	59.25 - 59.50	1.0000	1.0000
L38	44	Flat 4.5x1	59.25 - 59.50	1.0000	1.0000
L38	45	Flat 4.5x1	59.25 - 59.50	1.0000	1.0000
L38	58	Flat 4.5x1	59.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L38	59	Flat 4.5x1	59.50 59.25 - 59.50	1.0000	1.0000
L38	60	Flat 4.5x1	59.25 - 59.50	1.0000	1.0000
L38	61	Flat 4.5x1	59.25 - 59.50	1.0000	1.0000
L39	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	58.58 - 59.25	1.0000	1.0000
L39	17	FB-L98B-002-75000(3/8)	58.58 - 59.25	1.0000	1.0000
L39	18	WR-VG86ST-BRD (3/4")	58.58 - 59.25	1.0000	1.0000
L39	30	Flat 5x1.25	58.58 - 59.25	1.0000	1.0000
L39	31	Flat 5x1.25	58.58 - 59.25	1.0000	1.0000
L39	32	Flat 5x1.25	58.58 - 59.25	1.0000	1.0000
L39	43	Flat 4.5x1	58.58 - 59.25	1.0000	1.0000
L39	44	Flat 4.5x1	58.58 - 59.25	1.0000	1.0000
L39	45	Flat 4.5x1	58.58 - 59.25	1.0000	1.0000
L39	58	Flat 4.5x1	58.58 - 59.25	1.0000	1.0000
L39	59	Flat 4.5x1	58.58 - 59.25	1.0000	1.0000
L39	60	Flat 4.5x1	58.58 - 59.25	1.0000	1.0000
L39	61	Flat 4.5x1	58.58 - 59.25	1.0000	1.0000
L40	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	58.33 - 58.58	1.0000	1.0000
L40	17	FB-L98B-002-75000(3/8)	58.33 - 58.58	1.0000	1.0000
L40	18	WR-VG86ST-BRD (3/4")	58.33 - 58.58	1.0000	1.0000
L40	30	Flat 5x1.25	58.33 - 58.58	1.0000	1.0000
L40	31	Flat 5x1.25	58.33 - 58.58	1.0000	1.0000
L40	32	Flat 5x1.25	58.33 - 58.58	1.0000	1.0000
L40	43	Flat 4.5x1	58.33 - 58.58	1.0000	1.0000
L40	44	Flat 4.5x1	58.33 - 58.58	1.0000	1.0000
L40	45	Flat 4.5x1	58.33 - 58.58	1.0000	1.0000
L40	58	Flat 4.5x1	58.33 - 58.58	1.0000	1.0000
L40	59	Flat 4.5x1	58.33 - 58.58	1.0000	1.0000
L40	60	Flat 4.5x1	58.33 - 58.58	1.0000	1.0000
L40	61	Flat 4.5x1	58.33 - 58.58	1.0000	1.0000
L41	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	53.33 - 58.33	1.0000	1.0000
L41	17	FB-L98B-002-75000(3/8)	53.33 - 58.33	1.0000	1.0000
L41	18	WR-VG86ST-BRD (3/4")	53.33 - 58.33	1.0000	1.0000
L41	30	Flat 5x1.25	53.33 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L41	31	Flat 5x1.25	58.33 53.33 - 58.33	1.0000	1.0000
L41	32	Flat 5x1.25	53.33 - 58.33	1.0000	1.0000
L41	43	Flat 4.5x1	53.33 - 58.33	1.0000	1.0000
L41	44	Flat 4.5x1	53.33 - 58.33	1.0000	1.0000
L41	45	Flat 4.5x1	53.33 - 58.33	1.0000	1.0000
L41	58	Flat 4.5x1	53.33 - 58.33	1.0000	1.0000
L41	59	Flat 4.5x1	53.33 - 58.33	1.0000	1.0000
L41	60	Flat 4.5x1	53.33 - 58.33	1.0000	1.0000
L41	61	Flat 4.5x1	53.33 - 58.33	1.0000	1.0000
L42	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	44.41 - 53.33	1.0000	1.0000
L42	17	FB-L98B-002-75000(3/8)	44.41 - 53.33	1.0000	1.0000
L42	18	WR-VG86ST-BRD (3/4")	44.41 - 53.33	1.0000	1.0000
L42	21	LDF4-50A(1/2)	44.41 - 50.00	1.0000	1.0000
L42	30	Flat 5x1.25	44.41 - 53.33	1.0000	1.0000
L42	31	Flat 5x1.25	44.41 - 53.33	1.0000	1.0000
L42	32	Flat 5x1.25	44.41 - 53.33	1.0000	1.0000
L42	43	Flat 4.5x1	44.41 - 53.33	1.0000	1.0000
L42	44	Flat 4.5x1	44.41 - 53.33	1.0000	1.0000
L42	45	Flat 4.5x1	44.41 - 53.33	1.0000	1.0000
L42	58	Flat 4.5x1	44.41 - 53.33	1.0000	1.0000
L42	59	Flat 4.5x1	44.41 - 53.33	1.0000	1.0000
L42	60	Flat 4.5x1	44.41 - 53.33	1.0000	1.0000
L42	61	Flat 4.5x1	44.41 - 53.33	1.0000	1.0000
L43	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	43.41 - 44.41	1.0000	1.0000
L43	17	FB-L98B-002-75000(3/8)	43.41 - 44.41	1.0000	1.0000
L43	18	WR-VG86ST-BRD (3/4")	43.41 - 44.41	1.0000	1.0000
L43	21	LDF4-50A(1/2)	43.41 - 44.41	1.0000	1.0000
L43	30	Flat 5x1.25	43.41 - 44.41	1.0000	1.0000
L43	31	Flat 5x1.25	43.41 - 44.41	1.0000	1.0000
L43	32	Flat 5x1.25	43.41 - 44.41	1.0000	1.0000
L43	43	Flat 4.5x1	43.41 - 44.41	1.0000	1.0000
L43	44	Flat 4.5x1	43.41 - 44.41	1.0000	1.0000
L43	45	Flat 4.5x1	43.41 - 44.41	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L43	58	Flat 4.5x1	43.41 - 44.41	1.0000	1.0000
L43	59	Flat 4.5x1	43.41 - 44.41	1.0000	1.0000
L43	60	Flat 4.5x1	43.41 - 44.41	1.0000	1.0000
L43	61	Flat 4.5x1	43.41 - 44.41	1.0000	1.0000
L44	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	38.41 - 43.41	1.0000	1.0000
L44	17	FB-L98B-002-75000(3/8)	38.41 - 43.41	1.0000	1.0000
L44	18	WR-VG86ST-BRD (3/4")	38.41 - 43.41	1.0000	1.0000
L44	21	LDF4-50A(1/2)	38.41 - 43.41	1.0000	1.0000
L44	30	Flat 5x1.25	38.41 - 43.41	1.0000	1.0000
L44	31	Flat 5x1.25	38.41 - 43.41	1.0000	1.0000
L44	32	Flat 5x1.25	38.41 - 43.41	1.0000	1.0000
L44	43	Flat 4.5x1	38.41 - 43.41	1.0000	1.0000
L44	44	Flat 4.5x1	38.41 - 43.41	1.0000	1.0000
L44	45	Flat 4.5x1	38.41 - 43.41	1.0000	1.0000
L44	58	Flat 4.5x1	38.41 - 43.41	1.0000	1.0000
L44	59	Flat 4.5x1	38.41 - 43.41	1.0000	1.0000
L44	60	Flat 4.5x1	38.41 - 43.41	1.0000	1.0000
L44	61	Flat 4.5x1	38.41 - 43.41	1.0000	1.0000
L45	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	34.50 - 38.41	1.0000	1.0000
L45	17	FB-L98B-002-75000(3/8)	34.50 - 38.41	1.0000	1.0000
L45	18	WR-VG86ST-BRD (3/4")	34.50 - 38.41	1.0000	1.0000
L45	21	LDF4-50A(1/2)	34.50 - 38.41	1.0000	1.0000
L45	30	Flat 5x1.25	34.50 - 38.41	1.0000	1.0000
L45	31	Flat 5x1.25	34.50 - 38.41	1.0000	1.0000
L45	32	Flat 5x1.25	34.50 - 38.41	1.0000	1.0000
L45	43	Flat 4.5x1	34.50 - 38.41	1.0000	1.0000
L45	44	Flat 4.5x1	34.50 - 38.41	1.0000	1.0000
L45	45	Flat 4.5x1	34.50 - 38.41	1.0000	1.0000
L45	54	Flat 4.5x1.25	34.50 - 36.25	1.0000	1.0000
L45	55	Flat 4.5x1.25	34.50 - 36.25	1.0000	1.0000
L45	56	Flat 4.5x1.25	34.50 - 36.25	1.0000	1.0000
L45	57	Flat 4.5x1.25	34.50 - 36.25	1.0000	1.0000
L45	58	Flat 4.5x1	34.50 - 38.41	1.0000	1.0000
L45	59	Flat 4.5x1	34.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L45	60	Flat 4.5x1	38.41 34.50 - 38.41	1.0000	1.0000
L45	61	Flat 4.5x1	34.50 - 38.41	1.0000	1.0000
L46	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	34.25 - 34.50	1.0000	1.0000
L46	17	FB-L98B-002-75000(3/8)	34.25 - 34.50	1.0000	1.0000
L46	18	WR-VG86ST-BRD (3/4")	34.25 - 34.50	1.0000	1.0000
L46	21	LDF4-50A(1/2)	34.25 - 34.50	1.0000	1.0000
L46	30	Flat 5x1.25	34.25 - 34.50	1.0000	1.0000
L46	31	Flat 5x1.25	34.25 - 34.50	1.0000	1.0000
L46	32	Flat 5x1.25	34.25 - 34.50	1.0000	1.0000
L46	43	Flat 4.5x1	34.25 - 34.50	1.0000	1.0000
L46	44	Flat 4.5x1	34.25 - 34.50	1.0000	1.0000
L46	45	Flat 4.5x1	34.25 - 34.50	1.0000	1.0000
L46	54	Flat 4.5x1.25	34.25 - 34.50	1.0000	1.0000
L46	55	Flat 4.5x1.25	34.25 - 34.50	1.0000	1.0000
L46	56	Flat 4.5x1.25	34.25 - 34.50	1.0000	1.0000
L46	57	Flat 4.5x1.25	34.25 - 34.50	1.0000	1.0000
L46	58	Flat 4.5x1	34.25 - 34.50	1.0000	1.0000
L46	59	Flat 4.5x1	34.25 - 34.50	1.0000	1.0000
L46	60	Flat 4.5x1	34.25 - 34.50	1.0000	1.0000
L46	61	Flat 4.5x1	34.25 - 34.50	1.0000	1.0000
L47	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	33.50 - 34.25	1.0000	1.0000
L47	17	FB-L98B-002-75000(3/8)	33.50 - 34.25	1.0000	1.0000
L47	18	WR-VG86ST-BRD (3/4")	33.50 - 34.25	1.0000	1.0000
L47	21	LDF4-50A(1/2)	33.50 - 34.25	1.0000	1.0000
L47	30	Flat 5x1.25	33.50 - 34.25	1.0000	1.0000
L47	31	Flat 5x1.25	33.50 - 34.25	1.0000	1.0000
L47	32	Flat 5x1.25	33.50 - 34.25	1.0000	1.0000
L47	43	Flat 4.5x1	33.50 - 34.25	1.0000	1.0000
L47	44	Flat 4.5x1	33.50 - 34.25	1.0000	1.0000
L47	45	Flat 4.5x1	33.50 - 34.25	1.0000	1.0000
L47	54	Flat 4.5x1.25	33.50 - 34.25	1.0000	1.0000
L47	55	Flat 4.5x1.25	33.50 - 34.25	1.0000	1.0000
L47	56	Flat 4.5x1.25	33.50 - 34.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L47	57	Flat 4.5x1.25	33.50 - 34.25	1.0000	1.0000
L47	58	Flat 4.5x1	33.50 - 34.25	1.0000	1.0000
L47	59	Flat 4.5x1	33.50 - 34.25	1.0000	1.0000
L47	60	Flat 4.5x1	33.50 - 34.25	1.0000	1.0000
L47	61	Flat 4.5x1	33.50 - 34.25	1.0000	1.0000
L48	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	33.25 - 33.50	1.0000	1.0000
L48	17	FB-L98B-002-75000(3/8)	33.25 - 33.50	1.0000	1.0000
L48	18	WR-VG86ST-BRD (3/4")	33.25 - 33.50	1.0000	1.0000
L48	21	LDF4-50A(1/2)	33.25 - 33.50	1.0000	1.0000
L48	30	Flat 5x1.25	33.25 - 33.50	1.0000	1.0000
L48	31	Flat 5x1.25	33.25 - 33.50	1.0000	1.0000
L48	32	Flat 5x1.25	33.25 - 33.50	1.0000	1.0000
L48	43	Flat 4.5x1	33.25 - 33.50	1.0000	1.0000
L48	44	Flat 4.5x1	33.25 - 33.50	1.0000	1.0000
L48	45	Flat 4.5x1	33.25 - 33.50	1.0000	1.0000
L48	54	Flat 4.5x1.25	33.25 - 33.50	1.0000	1.0000
L48	55	Flat 4.5x1.25	33.25 - 33.50	1.0000	1.0000
L48	56	Flat 4.5x1.25	33.25 - 33.50	1.0000	1.0000
L48	57	Flat 4.5x1.25	33.25 - 33.50	1.0000	1.0000
L48	58	Flat 4.5x1	33.25 - 33.50	1.0000	1.0000
L48	59	Flat 4.5x1	33.25 - 33.50	1.0000	1.0000
L48	60	Flat 4.5x1	33.25 - 33.50	1.0000	1.0000
L48	61	Flat 4.5x1	33.25 - 33.50	1.0000	1.0000
L49	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	30.50 - 33.25	1.0000	1.0000
L49	17	FB-L98B-002-75000(3/8)	30.50 - 33.25	1.0000	1.0000
L49	18	WR-VG86ST-BRD (3/4")	30.50 - 33.25	1.0000	1.0000
L49	21	LDF4-50A(1/2)	30.50 - 33.25	1.0000	1.0000
L49	30	Flat 5x1.25	30.50 - 33.25	1.0000	1.0000
L49	31	Flat 5x1.25	30.50 - 33.25	1.0000	1.0000
L49	32	Flat 5x1.25	30.50 - 33.25	1.0000	1.0000
L49	43	Flat 4.5x1	30.58 - 33.25	1.0000	1.0000
L49	44	Flat 4.5x1	30.58 - 33.25	1.0000	1.0000
L49	45	Flat 4.5x1	30.58 - 33.25	1.0000	1.0000
L49	54	Flat 4.5x1.25	30.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L49	55	Flat 4.5x1.25	33.25 30.50 -	1.0000	1.0000
L49	56	Flat 4.5x1.25	33.25 30.50 -	1.0000	1.0000
L49	57	Flat 4.5x1.25	33.25 30.50 -	1.0000	1.0000
L49	58	Flat 4.5x1	33.25 32.00 -	1.0000	1.0000
L49	59	Flat 4.5x1	33.25 32.00 -	1.0000	1.0000
L49	60	Flat 4.5x1	33.25 32.00 -	1.0000	1.0000
L49	61	Flat 4.5x1	33.25 32.00 -	1.0000	1.0000
L49	69	MP3-03 (L)	33.25 30.50 -	1.0000	1.0000
L49	70	MP3-03 (L)	30.75 30.50 -	1.0000	1.0000
L50	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	30.75 30.25 -	1.0000	1.0000
L50	17	FB-L98B-002-75000(3/8)	30.50 30.25 -	1.0000	1.0000
L50	18	WR-VG86ST-BRD (3/4")	30.50 30.25 -	1.0000	1.0000
L50	21	LDF4-50A(1/2)	30.50 30.25 -	1.0000	1.0000
L50	30	Flat 5x1.25	30.50 30.25 -	1.0000	1.0000
L50	31	Flat 5x1.25	30.50 30.25 -	1.0000	1.0000
L50	32	Flat 5x1.25	30.50 30.25 -	1.0000	1.0000
L50	40	Flat 4.5x1	30.50 30.25 -	1.0000	1.0000
L50	41	Flat 4.5x1	30.50 30.25 -	1.0000	1.0000
L50	42	Flat 4.5x1	30.50 30.25 -	1.0000	1.0000
L50	54	Flat 4.5x1.25	30.50 30.25 -	1.0000	1.0000
L50	55	Flat 4.5x1.25	30.50 30.25 -	1.0000	1.0000
L50	56	Flat 4.5x1.25	30.50 30.25 -	1.0000	1.0000
L50	57	Flat 4.5x1.25	30.50 30.25 -	1.0000	1.0000
L50	69	MP3-03 (L)	30.50 30.25 -	1.0000	1.0000
L50	70	MP3-03 (L)	30.50 30.25 -	1.0000	1.0000
L51	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	29.75 - 30.25	1.0000	1.0000
L51	17	FB-L98B-002-75000(3/8)	29.75 - 30.25	1.0000	1.0000
L51	18	WR-VG86ST-BRD (3/4")	29.75 - 30.25	1.0000	1.0000
L51	21	LDF4-50A(1/2)	29.75 - 30.25	1.0000	1.0000
L51	30	Flat 5x1.25	29.75 - 30.25	1.0000	1.0000
L51	31	Flat 5x1.25	29.75 - 30.25	1.0000	1.0000
L51	32	Flat 5x1.25	29.75 - 30.25	1.0000	1.0000
L51	40	Flat 4.5x1	29.75 - 30.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L51	41	Flat 4.5x1	29.75 - 30.25	1.0000	1.0000
L51	42	Flat 4.5x1	29.75 - 30.25	1.0000	1.0000
L51	54	Flat 4.5x1.25	29.75 - 30.25	1.0000	1.0000
L51	55	Flat 4.5x1.25	29.75 - 30.25	1.0000	1.0000
L51	56	Flat 4.5x1.25	29.75 - 30.25	1.0000	1.0000
L51	57	Flat 4.5x1.25	29.75 - 30.25	1.0000	1.0000
L51	69	MP3-03 (L)	29.75 - 30.25	1.0000	1.0000
L51	70	MP3-03 (L)	29.75 - 30.25	1.0000	1.0000
L52	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	29.50 - 29.75	1.0000	1.0000
L52	17	FB-L98B-002-75000(3/8)	29.50 - 29.75	1.0000	1.0000
L52	18	WR-VG86ST-BRD (3/4")	29.50 - 29.75	1.0000	1.0000
L52	21	LDF4-50A(1/2)	29.50 - 29.75	1.0000	1.0000
L52	25	Flat 5x1.25	29.50 - 29.75	1.0000	1.0000
L52	28	Flat 5x1.25	29.50 - 29.75	1.0000	1.0000
L52	29	Flat 5x1.25	29.50 - 29.75	1.0000	1.0000
L52	40	Flat 4.5x1	29.50 - 29.75	1.0000	1.0000
L52	41	Flat 4.5x1	29.50 - 29.75	1.0000	1.0000
L52	42	Flat 4.5x1	29.50 - 29.75	1.0000	1.0000
L52	54	Flat 4.5x1.25	29.50 - 29.75	1.0000	1.0000
L52	55	Flat 4.5x1.25	29.50 - 29.75	1.0000	1.0000
L52	56	Flat 4.5x1.25	29.50 - 29.75	1.0000	1.0000
L52	57	Flat 4.5x1.25	29.50 - 29.75	1.0000	1.0000
L52	69	MP3-03 (L)	29.50 - 29.75	1.0000	1.0000
L52	70	MP3-03 (L)	29.50 - 29.75	1.0000	1.0000
L53	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	29.00 - 29.50	1.0000	1.0000
L53	17	FB-L98B-002-75000(3/8)	29.00 - 29.50	1.0000	1.0000
L53	18	WR-VG86ST-BRD (3/4")	29.00 - 29.50	1.0000	1.0000
L53	21	LDF4-50A(1/2)	29.00 - 29.50	1.0000	1.0000
L53	25	Flat 5x1.25	29.00 - 29.50	1.0000	1.0000
L53	28	Flat 5x1.25	29.00 - 29.50	1.0000	1.0000
L53	29	Flat 5x1.25	29.00 - 29.50	1.0000	1.0000
L53	40	Flat 4.5x1	29.00 - 29.50	1.0000	1.0000
L53	41	Flat 4.5x1	29.00 - 29.50	1.0000	1.0000
L53	42	Flat 4.5x1	29.00 - 29.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L53	54	Flat 4.5x1.25	29.50 29.00 - 29.50	1.0000	1.0000
L53	55	Flat 4.5x1.25	29.50 29.00 - 29.50	1.0000	1.0000
L53	56	Flat 4.5x1.25	29.50 29.00 - 29.50	1.0000	1.0000
L53	57	Flat 4.5x1.25	29.50 29.00 - 29.50	1.0000	1.0000
L53	69	MP3-03 (L)	29.50 29.00 - 29.50	1.0000	1.0000
L53	70	MP3-03 (L)	29.50 29.00 - 29.50	1.0000	1.0000
L54	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	28.75 - 29.00	1.0000	1.0000
L54	17	FB-L98B-002-75000(3/8)	28.75 - 29.00	1.0000	1.0000
L54	18	WR-VG86ST-BRD (3/4")	28.75 - 29.00	1.0000	1.0000
L54	21	LDF4-50A(1/2)	28.75 - 29.00	1.0000	1.0000
L54	25	Flat 5x1.25	28.75 - 29.00	1.0000	1.0000
L54	28	Flat 5x1.25	28.75 - 29.00	1.0000	1.0000
L54	29	Flat 5x1.25	28.75 - 29.00	1.0000	1.0000
L54	40	Flat 4.5x1	28.75 - 29.00	1.0000	1.0000
L54	41	Flat 4.5x1	28.75 - 29.00	1.0000	1.0000
L54	42	Flat 4.5x1	28.75 - 29.00	1.0000	1.0000
L54	54	Flat 4.5x1.25	28.75 - 29.00	1.0000	1.0000
L54	55	Flat 4.5x1.25	28.75 - 29.00	1.0000	1.0000
L54	56	Flat 4.5x1.25	28.75 - 29.00	1.0000	1.0000
L54	57	Flat 4.5x1.25	28.75 - 29.00	1.0000	1.0000
L54	69	MP3-03 (L)	28.75 - 29.00	1.0000	1.0000
L54	70	MP3-03 (L)	28.75 - 29.00	1.0000	1.0000
L55	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	27.58 - 28.75	1.0000	1.0000
L55	17	FB-L98B-002-75000(3/8)	27.58 - 28.75	1.0000	1.0000
L55	18	WR-VG86ST-BRD (3/4")	27.58 - 28.75	1.0000	1.0000
L55	21	LDF4-50A(1/2)	27.58 - 28.75	1.0000	1.0000
L55	25	Flat 5x1.25	27.58 - 28.75	1.0000	1.0000
L55	28	Flat 5x1.25	27.58 - 28.75	1.0000	1.0000
L55	29	Flat 5x1.25	27.58 - 28.75	1.0000	1.0000
L55	40	Flat 4.5x1	27.58 - 28.75	1.0000	1.0000
L55	41	Flat 4.5x1	27.58 - 28.75	1.0000	1.0000
L55	42	Flat 4.5x1	27.58 - 28.75	1.0000	1.0000
L55	54	Flat 4.5x1.25	27.58 - 28.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L55	55	Flat 4.5x1.25	27.58 - 28.75	1.0000	1.0000
L55	56	Flat 4.5x1.25	27.58 - 28.75	1.0000	1.0000
L55	57	Flat 4.5x1.25	27.58 - 28.75	1.0000	1.0000
L55	69	MP3-03 (L)	27.58 - 28.75	1.0000	1.0000
L55	70	MP3-03 (L)	27.58 - 28.75	1.0000	1.0000
L56	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	27.33 - 27.58	1.0000	1.0000
L56	17	FB-L98B-002-75000(3/8)	27.33 - 27.58	1.0000	1.0000
L56	18	WR-VG86ST-BRD (3/4")	27.33 - 27.58	1.0000	1.0000
L56	21	LDF4-50A(1/2)	27.33 - 27.58	1.0000	1.0000
L56	25	Flat 5x1.25	27.33 - 27.58	1.0000	1.0000
L56	28	Flat 5x1.25	27.33 - 27.58	1.0000	1.0000
L56	29	Flat 5x1.25	27.33 - 27.58	1.0000	1.0000
L56	40	Flat 4.5x1	27.33 - 27.58	1.0000	1.0000
L56	41	Flat 4.5x1	27.33 - 27.58	1.0000	1.0000
L56	42	Flat 4.5x1	27.33 - 27.58	1.0000	1.0000
L56	54	Flat 4.5x1.25	27.33 - 27.58	1.0000	1.0000
L56	55	Flat 4.5x1.25	27.33 - 27.58	1.0000	1.0000
L56	56	Flat 4.5x1.25	27.33 - 27.58	1.0000	1.0000
L56	57	Flat 4.5x1.25	27.33 - 27.58	1.0000	1.0000
L56	69	MP3-03 (L)	27.33 - 27.58	1.0000	1.0000
L56	70	MP3-03 (L)	27.33 - 27.58	1.0000	1.0000
L57	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	22.33 - 27.33	1.0000	1.0000
L57	17	FB-L98B-002-75000(3/8)	22.33 - 27.33	1.0000	1.0000
L57	18	WR-VG86ST-BRD (3/4")	22.33 - 27.33	1.0000	1.0000
L57	21	LDF4-50A(1/2)	22.33 - 27.33	1.0000	1.0000
L57	25	Flat 5x1.25	22.33 - 27.33	1.0000	1.0000
L57	28	Flat 5x1.25	22.33 - 27.33	1.0000	1.0000
L57	29	Flat 5x1.25	22.33 - 27.33	1.0000	1.0000
L57	40	Flat 4.5x1	22.33 - 27.33	1.0000	1.0000
L57	41	Flat 4.5x1	22.33 - 27.33	1.0000	1.0000
L57	42	Flat 4.5x1	22.33 - 27.33	1.0000	1.0000
L57	54	Flat 4.5x1.25	22.33 - 27.33	1.0000	1.0000
L57	55	Flat 4.5x1.25	22.33 - 27.33	1.0000	1.0000
L57	56	Flat 4.5x1.25	22.33 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L57	57	Flat 4.5x1.25	27.33 22.33 - 27.33	1.0000	1.0000
L57	69	MP3-03 (L)	22.33 - 27.33	1.0000	1.0000
L57	70	MP3-03 (L)	22.33 - 27.33	1.0000	1.0000
L58	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	17.33 - 22.33	1.0000	1.0000
L58	17	FB-L98B-002-75000(3/8)	17.33 - 22.33	1.0000	1.0000
L58	18	WR-VG86ST-BRD (3/4")	17.33 - 22.33	1.0000	1.0000
L58	21	LDF4-50A(1/2)	17.33 - 22.33	1.0000	1.0000
L58	25	Flat 5x1.25	17.33 - 22.33	1.0000	1.0000
L58	28	Flat 5x1.25	17.33 - 22.33	1.0000	1.0000
L58	29	Flat 5x1.25	17.33 - 22.33	1.0000	1.0000
L58	40	Flat 4.5x1	17.33 - 22.33	1.0000	1.0000
L58	41	Flat 4.5x1	17.33 - 22.33	1.0000	1.0000
L58	42	Flat 4.5x1	17.33 - 22.33	1.0000	1.0000
L58	54	Flat 4.5x1.25	17.33 - 22.33	1.0000	1.0000
L58	55	Flat 4.5x1.25	17.33 - 22.33	1.0000	1.0000
L58	56	Flat 4.5x1.25	17.33 - 22.33	1.0000	1.0000
L58	57	Flat 4.5x1.25	17.33 - 22.33	1.0000	1.0000
L58	69	MP3-03 (L)	17.33 - 22.33	1.0000	1.0000
L58	70	MP3-03 (L)	17.33 - 22.33	1.0000	1.0000
L59	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	12.33 - 17.33	1.0000	1.0000
L59	17	FB-L98B-002-75000(3/8)	12.33 - 17.33	1.0000	1.0000
L59	18	WR-VG86ST-BRD (3/4")	12.33 - 17.33	1.0000	1.0000
L59	21	LDF4-50A(1/2)	12.33 - 17.33	1.0000	1.0000
L59	25	Flat 5x1.25	12.33 - 17.33	1.0000	1.0000
L59	28	Flat 5x1.25	12.33 - 17.33	1.0000	1.0000
L59	29	Flat 5x1.25	12.33 - 17.33	1.0000	1.0000
L59	40	Flat 4.5x1	12.33 - 17.33	1.0000	1.0000
L59	41	Flat 4.5x1	12.33 - 17.33	1.0000	1.0000
L59	42	Flat 4.5x1	12.33 - 17.33	1.0000	1.0000
L59	54	Flat 4.5x1.25	12.33 - 17.33	1.0000	1.0000
L59	55	Flat 4.5x1.25	12.33 - 17.33	1.0000	1.0000
L59	56	Flat 4.5x1.25	12.33 - 17.33	1.0000	1.0000
L59	57	Flat 4.5x1.25	12.33 - 17.33	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L59	69	MP3-03 (L)	12.33 - 17.33	1.0000	1.0000
L59	70	MP3-03 (L)	12.33 - 17.33	1.0000	1.0000
L60	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	7.33 - 12.33	1.0000	1.0000
L60	17	FB-L98B-002-75000(3/8)	7.33 - 12.33	1.0000	1.0000
L60	18	WR-VG86ST-BRD (3/4")	7.33 - 12.33	1.0000	1.0000
L60	21	LDF4-50A(1/2)	7.33 - 12.33	1.0000	1.0000
L60	25	Flat 5x1.25	7.33 - 12.33	1.0000	1.0000
L60	26	Flat 5x1.25	7.33 - 9.17	1.0000	1.0000
L60	27	Flat 5x1.25	7.33 - 9.17	1.0000	1.0000
L60	28	Flat 5x1.25	7.33 - 12.33	1.0000	1.0000
L60	29	Flat 5x1.25	7.33 - 12.33	1.0000	1.0000
L60	40	Flat 4.5x1	7.33 - 12.33	1.0000	1.0000
L60	41	Flat 4.5x1	7.33 - 12.33	1.0000	1.0000
L60	42	Flat 4.5x1	7.33 - 12.33	1.0000	1.0000
L60	54	Flat 4.5x1.25	7.33 - 12.33	1.0000	1.0000
L60	55	Flat 4.5x1.25	7.33 - 12.33	1.0000	1.0000
L60	56	Flat 4.5x1.25	7.33 - 12.33	1.0000	1.0000
L60	57	Flat 4.5x1.25	7.33 - 12.33	1.0000	1.0000
L60	69	MP3-03 (L)	7.33 - 12.33	1.0000	1.0000
L60	70	MP3-03 (L)	7.33 - 12.33	1.0000	1.0000
L61	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	6.75 - 7.33	1.0000	1.0000
L61	17	FB-L98B-002-75000(3/8)	6.75 - 7.33	1.0000	1.0000
L61	18	WR-VG86ST-BRD (3/4")	6.75 - 7.33	1.0000	1.0000
L61	21	LDF4-50A(1/2)	6.75 - 7.33	1.0000	1.0000
L61	25	Flat 5x1.25	6.75 - 7.33	1.0000	1.0000
L61	26	Flat 5x1.25	6.75 - 7.33	1.0000	1.0000
L61	27	Flat 5x1.25	6.75 - 7.33	1.0000	1.0000
L61	28	Flat 5x1.25	6.75 - 7.33	1.0000	1.0000
L61	29	Flat 5x1.25	6.75 - 7.33	1.0000	1.0000
L61	40	Flat 4.5x1	6.75 - 7.33	1.0000	1.0000
L61	41	Flat 4.5x1	6.75 - 7.33	1.0000	1.0000
L61	42	Flat 4.5x1	6.75 - 7.33	1.0000	1.0000
L61	54	Flat 4.5x1.25	6.75 - 7.33	1.0000	1.0000
L61	55	Flat 4.5x1.25	6.75 - 7.33	1.0000	1.0000
L61	56	Flat 4.5x1.25	6.75 - 7.33	1.0000	1.0000
L61	57	Flat 4.5x1.25	6.75 - 7.33	1.0000	1.0000
L61	69	MP3-03 (L)	6.75 - 7.33	1.0000	1.0000
L61	70	MP3-03 (L)	6.75 - 7.33	1.0000	1.0000
L62	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	6.50 - 6.75	1.0000	1.0000
L62	17	FB-L98B-002-75000(3/8)	6.50 - 6.75	1.0000	1.0000
L62	18	WR-VG86ST-BRD (3/4")	6.50 - 6.75	1.0000	1.0000
L62	21	LDF4-50A(1/2)	6.50 - 6.75	1.0000	1.0000
L62	25	Flat 5x1.25	6.50 - 6.75	1.0000	1.0000
L62	26	Flat 5x1.25	6.50 - 6.75	1.0000	1.0000
L62	27	Flat 5x1.25	6.50 - 6.75	1.0000	1.0000
L62	28	Flat 5x1.25	6.50 - 6.75	1.0000	1.0000
L62	29	Flat 5x1.25	6.50 - 6.75	1.0000	1.0000
L62	40	Flat 4.5x1	6.50 - 6.75	1.0000	1.0000
L62	41	Flat 4.5x1	6.50 - 6.75	1.0000	1.0000
L62	42	Flat 4.5x1	6.50 - 6.75	1.0000	1.0000
L62	54	Flat 4.5x1.25	6.50 - 6.75	1.0000	1.0000
L62	55	Flat 4.5x1.25	6.50 - 6.75	1.0000	1.0000
L62	56	Flat 4.5x1.25	6.50 - 6.75	1.0000	1.0000
L62	57	Flat 4.5x1.25	6.50 - 6.75	1.0000	1.0000
L62	69	MP3-03 (L)	6.50 - 6.75	1.0000	1.0000
L62	70	MP3-03 (L)	6.50 - 6.75	1.0000	1.0000
L63	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	3.00 - 6.50	1.0000	1.0000
L63	17	FB-L98B-002-75000(3/8)	3.00 - 6.50	1.0000	1.0000
L63	18	WR-VG86ST-BRD (3/4")	3.00 - 6.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L63	21	LDF4-50A(1/2)	3.00 - 6.50	1.0000	1.0000
L63	25	Flat 5x1.25	3.00 - 6.50	1.0000	1.0000
L63	26	Flat 5x1.25	3.00 - 6.50	1.0000	1.0000
L63	27	Flat 5x1.25	3.00 - 6.50	1.0000	1.0000
L63	28	Flat 5x1.25	3.00 - 6.50	1.0000	1.0000
L63	29	Flat 5x1.25	4.33 - 6.50	1.0000	1.0000
L63	40	Flat 4.5x1	3.00 - 6.50	1.0000	1.0000
L63	41	Flat 4.5x1	3.00 - 6.50	1.0000	1.0000
L63	42	Flat 4.5x1	3.00 - 6.50	1.0000	1.0000
L63	54	Flat 4.5x1.25	3.00 - 6.50	1.0000	1.0000
L63	55	Flat 4.5x1.25	3.00 - 6.50	1.0000	1.0000
L63	56	Flat 4.5x1.25	3.00 - 6.50	1.0000	1.0000
L63	57	Flat 4.5x1.25	3.00 - 6.50	1.0000	1.0000
L63	69	MP3-03 (L)	5.75 - 6.50	1.0000	1.0000
L63	70	MP3-03 (L)	5.75 - 6.50	1.0000	1.0000
L64	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	2.75 - 3.00	1.0000	1.0000
L64	17	FB-L98B-002-75000(3/8)	2.75 - 3.00	1.0000	1.0000
L64	18	WR-VG86ST-BRD (3/4")	2.75 - 3.00	1.0000	1.0000
L64	21	LDF4-50A(1/2)	2.75 - 3.00	1.0000	1.0000
L64	25	Flat 5x1.25	2.75 - 3.00	1.0000	1.0000
L64	26	Flat 5x1.25	2.75 - 3.00	1.0000	1.0000
L64	27	Flat 5x1.25	2.75 - 3.00	1.0000	1.0000
L64	28	Flat 5x1.25	2.75 - 3.00	1.0000	1.0000
L64	40	Flat 4.5x1	2.75 - 3.00	1.0000	1.0000
L64	41	Flat 4.5x1	2.75 - 3.00	1.0000	1.0000
L64	42	Flat 4.5x1	2.75 - 3.00	1.0000	1.0000
L64	54	Flat 4.5x1.25	2.75 - 3.00	1.0000	1.0000
L64	55	Flat 4.5x1.25	2.75 - 3.00	1.0000	1.0000
L64	56	Flat 4.5x1.25	2.75 - 3.00	1.0000	1.0000
L64	57	Flat 4.5x1.25	2.75 - 3.00	1.0000	1.0000
L65	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	2.50 - 2.75	1.0000	1.0000
L65	17	FB-L98B-002-75000(3/8)	2.50 - 2.75	1.0000	1.0000
L65	18	WR-VG86ST-BRD (3/4")	2.50 - 2.75	1.0000	1.0000
L65	21	LDF4-50A(1/2)	2.50 - 2.75	1.0000	1.0000
L65	25	Flat 5x1.25	2.50 - 2.75	1.0000	1.0000
L65	26	Flat 5x1.25	2.50 - 2.75	1.0000	1.0000
L65	27	Flat 5x1.25	2.50 - 2.75	1.0000	1.0000
L65	28	Flat 5x1.25	2.50 - 2.75	1.0000	1.0000
L65	40	Flat 4.5x1	2.50 - 2.75	1.0000	1.0000
L65	41	Flat 4.5x1	2.50 - 2.75	1.0000	1.0000
L65	42	Flat 4.5x1	2.50 - 2.75	1.0000	1.0000
L65	54	Flat 4.5x1.25	2.50 - 2.75	1.0000	1.0000
L65	55	Flat 4.5x1.25	2.50 - 2.75	1.0000	1.0000
L65	56	Flat 4.5x1.25	2.50 - 2.75	1.0000	1.0000
L65	57	Flat 4.5x1.25	2.50 - 2.75	1.0000	1.0000
L66	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	2.25 - 2.50	1.0000	1.0000
L66	17	FB-L98B-002-75000(3/8)	2.25 - 2.50	1.0000	1.0000
L66	18	WR-VG86ST-BRD (3/4")	2.25 - 2.50	1.0000	1.0000
L66	21	LDF4-50A(1/2)	2.25 - 2.50	1.0000	1.0000
L66	25	Flat 5x1.25	2.25 - 2.50	1.0000	1.0000
L66	26	Flat 5x1.25	2.25 - 2.50	1.0000	1.0000
L66	27	Flat 5x1.25	2.25 - 2.50	1.0000	1.0000
L66	28	Flat 5x1.25	2.25 - 2.50	1.0000	1.0000
L66	40	Flat 4.5x1	2.25 - 2.50	1.0000	1.0000
L66	41	Flat 4.5x1	2.25 - 2.50	1.0000	1.0000
L66	42	Flat 4.5x1	2.25 - 2.50	1.0000	1.0000
L66	54	Flat 4.5x1.25	2.25 - 2.50	1.0000	1.0000
L66	55	Flat 4.5x1.25	2.25 - 2.50	1.0000	1.0000
L66	56	Flat 4.5x1.25	2.25 - 2.50	1.0000	1.0000
L66	57	Flat 4.5x1.25	2.25 - 2.50	1.0000	1.0000
L67	13	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	0.00 - 2.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L67	17	FB-L98B-002-75000(3/8)	0.00 - 2.25	1.0000	1.0000
L67	18	WR-VG86ST-BRD (3/4")	0.00 - 2.25	1.0000	1.0000
L67	21	LDF4-50A(1/2)	0.00 - 2.25	1.0000	1.0000
L67	25	Flat 5x1.25	0.00 - 2.25	1.0000	1.0000
L67	26	Flat 5x1.25	0.00 - 2.25	1.0000	1.0000
L67	27	Flat 5x1.25	0.00 - 2.25	1.0000	1.0000
L67	28	Flat 5x1.25	0.00 - 2.25	1.0000	1.0000
L67	40	Flat 4.5x1	0.50 - 2.25	1.0000	1.0000
L67	41	Flat 4.5x1	0.50 - 2.25	1.0000	1.0000
L67	42	Flat 4.5x1	0.50 - 2.25	1.0000	1.0000
L67	54	Flat 4.5x1.25	1.25 - 2.25	1.0000	1.0000
L67	55	Flat 4.5x1.25	1.25 - 2.25	1.0000	1.0000
L67	56	Flat 4.5x1.25	1.25 - 2.25	1.0000	1.0000
L67	57	Flat 4.5x1.25	1.25 - 2.25	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L7	65	Flat 4.5x1.25	113.62 - 114.16	Manual	1.0000
L7	66	Flat 4.5x1.25	113.62 - 114.16	Manual	1.0000
L7	67	Flat 4.5x1.25	113.62 - 114.16	Manual	1.0000
L8	65	Flat 4.5x1.25	113.08 - 113.62	Manual	1.0000
L8	66	Flat 4.5x1.25	113.08 - 113.62	Manual	1.0000
L8	67	Flat 4.5x1.25	113.08 - 113.62	Manual	1.0000
L9	65	Flat 4.5x1.25	112.83 - 113.08	Manual	1.0000
L9	66	Flat 4.5x1.25	112.83 - 113.08	Manual	1.0000
L9	67	Flat 4.5x1.25	112.83 - 113.08	Manual	1.0000
L10	65	Flat 4.5x1.25	112.16 - 112.83	Manual	1.0000
L10	66	Flat 4.5x1.25	112.16 - 112.83	Manual	1.0000
L10	67	Flat 4.5x1.25	112.16 - 112.83	Manual	1.0000
L11	50	Flat 4.5x1	111.91 - 112.00	Manual	1.0000
L11	51	Flat 4.5x1	111.91 - 112.00	Manual	1.0000
L11	52	Flat 4.5x1	111.91 - 112.00	Manual	1.0000
L11	65	Flat 4.5x1.25	111.91 - 112.16	Manual	1.0000
L11	66	Flat 4.5x1.25	111.91 - 112.16	Manual	1.0000
L11	67	Flat 4.5x1.25	111.91 - 112.16	Manual	1.0000
L12	50	Flat 4.5x1	110.50 - 111.91	Manual	1.0000
L12	51	Flat 4.5x1	110.50 - 111.91	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L12	52	Flat 4.5x1	110.50 - 111.91	Manual	1.0000
L12	65	Flat 4.5x1.25	110.50 - 111.91	Manual	1.0000
L12	66	Flat 4.5x1.25	110.50 - 111.91	Manual	1.0000
L12	67	Flat 4.5x1.25	110.50 - 111.91	Manual	1.0000
L13	50	Flat 4.5x1	110.25 - 110.50	Manual	1.0000
L13	51	Flat 4.5x1	110.25 - 110.50	Manual	1.0000
L13	52	Flat 4.5x1	110.25 - 110.50	Manual	1.0000
L13	65	Flat 4.5x1.25	110.25 - 110.50	Manual	1.0000
L13	66	Flat 4.5x1.25	110.25 - 110.50	Manual	1.0000
L13	67	Flat 4.5x1.25	110.25 - 110.50	Manual	1.0000
L14	36	Flat 4.75x1.25	105.25 - 106.50	Manual	1.0000
L14	37	Flat 4.75x1.25	105.25 - 106.50	Manual	1.0000
L14	38	Flat 4.75x1.25	105.25 - 106.50	Manual	1.0000
L14	50	Flat 4.5x1	105.25 - 110.25	Manual	1.0000
L14	51	Flat 4.5x1	105.25 - 110.25	Manual	1.0000
L14	52	Flat 4.5x1	105.25 - 110.25	Manual	1.0000
L14	65	Flat 4.5x1.25	105.25 - 110.25	Manual	1.0000
L14	66	Flat 4.5x1.25	105.25 - 110.25	Manual	1.0000
L14	67	Flat 4.5x1.25	105.25 - 110.25	Manual	1.0000
L15	36	Flat 4.75x1.25	105.00 - 105.25	Manual	1.0000
L15	37	Flat 4.75x1.25	105.00 - 105.25	Manual	1.0000
L15	38	Flat 4.75x1.25	105.00 - 105.25	Manual	1.0000
L15	50	Flat 4.5x1	105.00 - 105.25	Manual	1.0000
L15	51	Flat 4.5x1	105.00 - 105.25	Manual	1.0000
L15	52	Flat 4.5x1	105.00 - 105.25	Manual	1.0000
L15	65	Flat 4.5x1.25	105.00 - 105.25	Manual	1.0000
L15	66	Flat 4.5x1.25	105.00 - 105.25	Manual	1.0000
L15	67	Flat 4.5x1.25	105.00 - 105.25	Manual	1.0000
L16	36	Flat 4.75x1.25	104.75 - 105.00	Manual	1.0000
L16	37	Flat 4.75x1.25	104.75 - 105.00	Manual	1.0000
L16	38	Flat 4.75x1.25	104.75 - 105.00	Manual	1.0000
L16	50	Flat 4.5x1	104.75 - 105.00	Manual	1.0000
L16	51	Flat 4.5x1	104.75 - 105.00	Manual	1.0000
L16	52	Flat 4.5x1	104.75 - 105.00	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L16	65	Flat 4.5x1.25	104.75 - 105.00	Manual	1.0000
L16	66	Flat 4.5x1.25	104.75 - 105.00	Manual	1.0000
L16	67	Flat 4.5x1.25	104.75 - 105.00	Manual	1.0000
L17	36	Flat 4.75x1.25	103.50 - 104.75	Manual	1.0000
L17	37	Flat 4.75x1.25	103.50 - 104.75	Manual	1.0000
L17	38	Flat 4.75x1.25	103.50 - 104.75	Manual	1.0000
L17	50	Flat 4.5x1	103.50 - 104.75	Manual	1.0000
L17	51	Flat 4.5x1	103.50 - 104.75	Manual	1.0000
L17	52	Flat 4.5x1	103.50 - 104.75	Manual	1.0000
L17	65	Flat 4.5x1.25	103.50 - 104.75	Manual	1.0000
L17	66	Flat 4.5x1.25	103.50 - 104.75	Manual	1.0000
L17	67	Flat 4.5x1.25	103.50 - 104.75	Manual	1.0000
L18	36	Flat 4.75x1.25	103.25 - 103.50	Manual	1.0000
L18	37	Flat 4.75x1.25	103.25 - 103.50	Manual	1.0000
L18	38	Flat 4.75x1.25	103.25 - 103.50	Manual	1.0000
L18	50	Flat 4.5x1	103.25 - 103.50	Manual	1.0000
L18	51	Flat 4.5x1	103.25 - 103.50	Manual	1.0000
L18	52	Flat 4.5x1	103.25 - 103.50	Manual	1.0000
L18	65	Flat 4.5x1.25	103.25 - 103.50	Manual	1.0000
L18	66	Flat 4.5x1.25	103.25 - 103.50	Manual	1.0000
L18	67	Flat 4.5x1.25	103.25 - 103.50	Manual	1.0000
L19	36	Flat 4.75x1.25	98.25 - 103.25	Manual	1.0000
L19	37	Flat 4.75x1.25	98.25 - 103.25	Manual	1.0000
L19	38	Flat 4.75x1.25	98.25 - 103.25	Manual	1.0000
L19	50	Flat 4.5x1	102.00 - 103.25	Manual	1.0000
L19	51	Flat 4.5x1	102.00 - 103.25	Manual	1.0000
L19	52	Flat 4.5x1	102.00 - 103.25	Manual	1.0000
L19	65	Flat 4.5x1.25	98.25 - 103.25	Manual	1.0000
L19	66	Flat 4.5x1.25	98.25 - 103.25	Manual	1.0000
L19	67	Flat 4.5x1.25	98.25 - 103.25	Manual	1.0000
L20	36	Flat 4.75x1.25	94.17 - 98.25	Manual	1.0000
L20	37	Flat 4.75x1.25	94.17 - 98.25	Manual	1.0000
L20	38	Flat 4.75x1.25	94.17 - 98.25	Manual	1.0000
L20	46	Flat 4x0.75	94.17 - 95.97	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L20	47	Flat 4x0.75	94.17 - 95.97	Manual	1.0000
L20	48	Flat 4x0.75	94.17 - 95.97	Manual	1.0000
L20	65	Flat 4.5x1.25	94.17 - 98.25	Manual	1.0000
L20	66	Flat 4.5x1.25	94.17 - 98.25	Manual	1.0000
L20	67	Flat 4.5x1.25	94.17 - 98.25	Manual	1.0000
L21	36	Flat 4.75x1.25	93.92 - 94.17	Manual	1.0000
L21	37	Flat 4.75x1.25	93.92 - 94.17	Manual	1.0000
L21	38	Flat 4.75x1.25	93.92 - 94.17	Manual	1.0000
L21	46	Flat 4x0.75	93.92 - 94.17	Manual	1.0000
L21	47	Flat 4x0.75	93.92 - 94.17	Manual	1.0000
L21	48	Flat 4x0.75	93.92 - 94.17	Manual	1.0000
L21	65	Flat 4.5x1.25	93.92 - 94.17	Manual	1.0000
L21	66	Flat 4.5x1.25	93.92 - 94.17	Manual	1.0000
L21	67	Flat 4.5x1.25	93.92 - 94.17	Manual	1.0000
L22	36	Flat 4.75x1.25	93.00 - 93.92	Manual	1.0000
L22	37	Flat 4.75x1.25	93.00 - 93.92	Manual	1.0000
L22	38	Flat 4.75x1.25	93.00 - 93.92	Manual	1.0000
L22	46	Flat 4x0.75	93.00 - 93.92	Manual	1.0000
L22	47	Flat 4x0.75	93.00 - 93.92	Manual	1.0000
L22	48	Flat 4x0.75	93.00 - 93.92	Manual	1.0000
L22	65	Flat 4.5x1.25	93.00 - 93.92	Manual	1.0000
L22	66	Flat 4.5x1.25	93.00 - 93.92	Manual	1.0000
L22	67	Flat 4.5x1.25	93.00 - 93.92	Manual	1.0000
L23	36	Flat 4.75x1.25	92.75 - 93.00	Manual	1.0000
L23	37	Flat 4.75x1.25	92.75 - 93.00	Manual	1.0000
L23	38	Flat 4.75x1.25	92.75 - 93.00	Manual	1.0000
L23	46	Flat 4x0.75	92.75 - 93.00	Manual	1.0000
L23	47	Flat 4x0.75	92.75 - 93.00	Manual	1.0000
L23	48	Flat 4x0.75	92.75 - 93.00	Manual	1.0000
L23	64	Flat 4.5x1	92.75 - 93.00	Manual	1.0000
L23	65	Flat 4.5x1.25	92.75 - 93.00	Manual	1.0000
L23	66	Flat 4.5x1.25	92.75 - 93.00	Manual	1.0000
L23	67	Flat 4.5x1.25	92.75 - 93.00	Manual	1.0000
L24	36	Flat 4.75x1.25	92.00 - 92.75	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L24	37	Flat 4.75x1.25	92.00 - 92.75	Manual	1.0000
L24	38	Flat 4.75x1.25	92.00 - 92.75	Manual	1.0000
L24	46	Flat 4x0.75	92.00 - 92.75	Manual	1.0000
L24	47	Flat 4x0.75	92.00 - 92.75	Manual	1.0000
L24	48	Flat 4x0.75	92.00 - 92.75	Manual	1.0000
L24	62	Flat 4.5x1	92.00 - 92.08	Manual	1.0000
L24	63	Flat 4.5x1	92.00 - 92.08	Manual	1.0000
L24	64	Flat 4.5x1	92.00 - 92.75	Manual	1.0000
L24	65	Flat 4.5x1.25	92.16 - 92.75	Manual	1.0000
L24	66	Flat 4.5x1.25	92.16 - 92.75	Manual	1.0000
L24	67	Flat 4.5x1.25	92.16 - 92.75	Manual	1.0000
L25	36	Flat 4.75x1.25	91.75 - 92.00	Manual	1.0000
L25	37	Flat 4.75x1.25	91.75 - 92.00	Manual	1.0000
L25	38	Flat 4.75x1.25	91.75 - 92.00	Manual	1.0000
L25	46	Flat 4x0.75	91.75 - 92.00	Manual	1.0000
L25	47	Flat 4x0.75	91.75 - 92.00	Manual	1.0000
L25	48	Flat 4x0.75	91.75 - 92.00	Manual	1.0000
L25	62	Flat 4.5x1	91.75 - 92.00	Manual	1.0000
L25	63	Flat 4.5x1	91.75 - 92.00	Manual	1.0000
L25	64	Flat 4.5x1	91.75 - 92.00	Manual	1.0000
L26	33	Flat 4.75x1.25	84.91 - 89.25	Manual	1.0000
L26	34	Flat 4.75x1.25	84.91 - 89.25	Manual	1.0000
L26	35	Flat 4.75x1.25	84.91 - 89.25	Manual	1.0000
L26	36	Flat 4.75x1.25	89.25 - 91.75	Manual	1.0000
L26	37	Flat 4.75x1.25	89.25 - 91.75	Manual	1.0000
L26	38	Flat 4.75x1.25	89.25 - 91.75	Manual	1.0000
L26	46	Flat 4x0.75	84.91 - 91.75	Manual	1.0000
L26	47	Flat 4x0.75	84.91 - 91.75	Manual	1.0000
L26	48	Flat 4x0.75	84.91 - 91.75	Manual	1.0000
L26	62	Flat 4.5x1	84.91 - 91.75	Manual	1.0000
L26	63	Flat 4.5x1	84.91 - 91.75	Manual	1.0000
L26	64	Flat 4.5x1	84.91 - 91.75	Manual	1.0000
L27	33	Flat 4.75x1.25	83.91 - 84.91	Manual	1.0000
L27	34	Flat 4.75x1.25	83.91 - 84.91	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L27	35	Flat 4.75x1.25	83.91 - 84.91	Manual	1.0000
L27	46	Flat 4x0.75	83.91 - 84.91	Manual	1.0000
L27	47	Flat 4x0.75	83.91 - 84.91	Manual	1.0000
L27	48	Flat 4x0.75	83.91 - 84.91	Manual	1.0000
L27	62	Flat 4.5x1	83.91 - 84.91	Manual	1.0000
L27	63	Flat 4.5x1	83.91 - 84.91	Manual	1.0000
L27	64	Flat 4.5x1	83.91 - 84.91	Manual	1.0000
L28	33	Flat 4.75x1.25	78.91 - 83.91	Manual	1.0000
L28	34	Flat 4.75x1.25	78.91 - 83.91	Manual	1.0000
L28	35	Flat 4.75x1.25	78.91 - 83.91	Manual	1.0000
L28	46	Flat 4x0.75	78.91 - 83.91	Manual	1.0000
L28	47	Flat 4x0.75	78.91 - 83.91	Manual	1.0000
L28	48	Flat 4x0.75	78.91 - 83.91	Manual	1.0000
L28	62	Flat 4.5x1	78.91 - 83.91	Manual	1.0000
L28	63	Flat 4.5x1	78.91 - 83.91	Manual	1.0000
L28	64	Flat 4.5x1	78.91 - 83.91	Manual	1.0000
L29	33	Flat 4.75x1.25	73.91 - 78.91	Manual	1.0000
L29	34	Flat 4.75x1.25	73.91 - 78.91	Manual	1.0000
L29	35	Flat 4.75x1.25	73.91 - 78.91	Manual	1.0000
L29	46	Flat 4x0.75	73.91 - 78.91	Manual	1.0000
L29	47	Flat 4x0.75	73.91 - 78.91	Manual	1.0000
L29	48	Flat 4x0.75	73.91 - 78.91	Manual	1.0000
L29	62	Flat 4.5x1	73.91 - 78.91	Manual	1.0000
L29	63	Flat 4.5x1	73.91 - 78.91	Manual	1.0000
L29	64	Flat 4.5x1	73.91 - 78.91	Manual	1.0000
L30	33	Flat 4.75x1.25	68.91 - 73.91	Manual	1.0000
L30	34	Flat 4.75x1.25	68.91 - 73.91	Manual	1.0000
L30	35	Flat 4.75x1.25	68.91 - 73.91	Manual	1.0000
L30	46	Flat 4x0.75	68.91 - 73.91	Manual	1.0000
L30	47	Flat 4x0.75	68.91 - 73.91	Manual	1.0000
L30	48	Flat 4x0.75	68.91 - 73.91	Manual	1.0000
L30	62	Flat 4.5x1	68.91 - 73.91	Manual	1.0000
L30	63	Flat 4.5x1	68.91 - 73.91	Manual	1.0000
L30	64	Flat 4.5x1	68.91 - 73.91	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L31	33	Flat 4.75x1.25	67.00 - 68.91	Manual	1.0000
L31	34	Flat 4.75x1.25	67.00 - 68.91	Manual	1.0000
L31	35	Flat 4.75x1.25	67.00 - 68.91	Manual	1.0000
L31	46	Flat 4x0.75	67.00 - 68.91	Manual	1.0000
L31	47	Flat 4x0.75	67.00 - 68.91	Manual	1.0000
L31	48	Flat 4x0.75	67.00 - 68.91	Manual	1.0000
L31	62	Flat 4.5x1	67.08 - 68.91	Manual	1.0000
L31	63	Flat 4.5x1	67.08 - 68.91	Manual	1.0000
L31	64	Flat 4.5x1	67.00 - 68.91	Manual	1.0000
L32	33	Flat 4.75x1.25	66.75 - 67.00	Manual	1.0000
L32	34	Flat 4.75x1.25	66.75 - 67.00	Manual	1.0000
L32	35	Flat 4.75x1.25	66.75 - 67.00	Manual	1.0000
L32	46	Flat 4x0.75	66.75 - 67.00	Manual	1.0000
L32	47	Flat 4x0.75	66.75 - 67.00	Manual	1.0000
L32	48	Flat 4x0.75	66.75 - 67.00	Manual	1.0000
L32	58	Flat 4.5x1	66.75 - 67.00	Manual	1.0000
L32	59	Flat 4.5x1	66.75 - 67.00	Manual	1.0000
L32	60	Flat 4.5x1	66.75 - 67.00	Manual	1.0000
L32	61	Flat 4.5x1	66.75 - 67.00	Manual	1.0000
L32	64	Flat 4.5x1	66.75 - 67.00	Manual	1.0000
L33	33	Flat 4.75x1.25	65.50 - 66.75	Manual	1.0000
L33	34	Flat 4.75x1.25	65.50 - 66.75	Manual	1.0000
L33	35	Flat 4.75x1.25	65.50 - 66.75	Manual	1.0000
L33	46	Flat 4x0.75	65.50 - 66.75	Manual	1.0000
L33	47	Flat 4x0.75	65.50 - 66.75	Manual	1.0000
L33	48	Flat 4x0.75	65.50 - 66.75	Manual	1.0000
L33	58	Flat 4.5x1	65.50 - 66.75	Manual	1.0000
L33	59	Flat 4.5x1	65.50 - 66.75	Manual	1.0000
L33	60	Flat 4.5x1	65.50 - 66.75	Manual	1.0000
L33	61	Flat 4.5x1	65.50 - 66.75	Manual	1.0000
L33	64	Flat 4.5x1	65.50 - 66.75	Manual	1.0000
L34	33	Flat 4.75x1.25	65.25 - 65.50	Manual	1.0000
L34	34	Flat 4.75x1.25	65.25 - 65.50	Manual	1.0000
L34	35	Flat 4.75x1.25	65.25 - 65.50	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L34	46	Flat 4x0.75	65.25 - 65.50	Manual	1.0000
L34	47	Flat 4x0.75	65.25 - 65.50	Manual	1.0000
L34	48	Flat 4x0.75	65.25 - 65.50	Manual	1.0000
L34	58	Flat 4.5x1	65.25 - 65.50	Manual	1.0000
L34	59	Flat 4.5x1	65.25 - 65.50	Manual	1.0000
L34	60	Flat 4.5x1	65.25 - 65.50	Manual	1.0000
L34	61	Flat 4.5x1	65.25 - 65.50	Manual	1.0000
L34	64	Flat 4.5x1	65.25 - 65.50	Manual	1.0000
L35	33	Flat 4.75x1.25	64.50 - 65.25	Manual	1.0000
L35	34	Flat 4.75x1.25	64.50 - 65.25	Manual	1.0000
L35	35	Flat 4.75x1.25	64.50 - 65.25	Manual	1.0000
L35	46	Flat 4x0.75	64.50 - 65.25	Manual	1.0000
L35	47	Flat 4x0.75	64.50 - 65.25	Manual	1.0000
L35	48	Flat 4x0.75	64.50 - 65.25	Manual	1.0000
L35	58	Flat 4.5x1	64.50 - 65.25	Manual	1.0000
L35	59	Flat 4.5x1	64.50 - 65.25	Manual	1.0000
L35	60	Flat 4.5x1	64.50 - 65.25	Manual	1.0000
L35	61	Flat 4.5x1	64.50 - 65.25	Manual	1.0000
L35	64	Flat 4.5x1	64.50 - 65.25	Manual	1.0000
L36	33	Flat 4.75x1.25	64.25 - 64.50	Manual	1.0000
L36	34	Flat 4.75x1.25	64.25 - 64.50	Manual	1.0000
L36	35	Flat 4.75x1.25	64.25 - 64.50	Manual	1.0000
L36	46	Flat 4x0.75	64.25 - 64.50	Manual	1.0000
L36	47	Flat 4x0.75	64.25 - 64.50	Manual	1.0000
L36	48	Flat 4x0.75	64.25 - 64.50	Manual	1.0000
L36	58	Flat 4.5x1	64.25 - 64.50	Manual	1.0000
L36	59	Flat 4.5x1	64.25 - 64.50	Manual	1.0000
L36	60	Flat 4.5x1	64.25 - 64.50	Manual	1.0000
L36	61	Flat 4.5x1	64.25 - 64.50	Manual	1.0000
L36	64	Flat 4.5x1	64.25 - 64.50	Manual	1.0000
L37	33	Flat 4.75x1.25	59.50 - 64.25	Manual	1.0000
L37	34	Flat 4.75x1.25	59.50 - 64.25	Manual	1.0000
L37	35	Flat 4.75x1.25	59.50 - 64.25	Manual	1.0000
L37	43	Flat 4.5x1	59.50 - 60.58	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L37	44	Flat 4.5x1	59.50 - 60.58	Manual	1.0000
L37	45	Flat 4.5x1	59.50 - 60.58	Manual	1.0000
L37	46	Flat 4x0.75	60.67 - 64.25	Manual	1.0000
L37	47	Flat 4x0.75	60.67 - 64.25	Manual	1.0000
L37	48	Flat 4x0.75	60.67 - 64.25	Manual	1.0000
L37	58	Flat 4.5x1	59.50 - 64.25	Manual	1.0000
L37	59	Flat 4.5x1	59.50 - 64.25	Manual	1.0000
L37	60	Flat 4.5x1	59.50 - 64.25	Manual	1.0000
L37	61	Flat 4.5x1	59.50 - 64.25	Manual	1.0000
L37	64	Flat 4.5x1	63.00 - 64.25	Manual	1.0000
L38	30	Flat 5x1.25	59.25 - 59.50	Manual	1.0000
L38	31	Flat 5x1.25	59.25 - 59.50	Manual	1.0000
L38	32	Flat 5x1.25	59.25 - 59.50	Manual	1.0000
L38	43	Flat 4.5x1	59.25 - 59.50	Manual	1.0000
L38	44	Flat 4.5x1	59.25 - 59.50	Manual	1.0000
L38	45	Flat 4.5x1	59.25 - 59.50	Manual	1.0000
L38	58	Flat 4.5x1	59.25 - 59.50	Manual	1.0000
L38	59	Flat 4.5x1	59.25 - 59.50	Manual	1.0000
L38	60	Flat 4.5x1	59.25 - 59.50	Manual	1.0000
L38	61	Flat 4.5x1	59.25 - 59.50	Manual	1.0000
L39	30	Flat 5x1.25	58.58 - 59.25	Manual	1.0000
L39	31	Flat 5x1.25	58.58 - 59.25	Manual	1.0000
L39	32	Flat 5x1.25	58.58 - 59.25	Manual	1.0000
L39	43	Flat 4.5x1	58.58 - 59.25	Manual	1.0000
L39	44	Flat 4.5x1	58.58 - 59.25	Manual	1.0000
L39	45	Flat 4.5x1	58.58 - 59.25	Manual	1.0000
L39	58	Flat 4.5x1	58.58 - 59.25	Manual	1.0000
L39	59	Flat 4.5x1	58.58 - 59.25	Manual	1.0000
L39	60	Flat 4.5x1	58.58 - 59.25	Manual	1.0000
L39	61	Flat 4.5x1	58.58 - 59.25	Manual	1.0000
L40	30	Flat 5x1.25	58.33 - 58.58	Manual	1.0000
L40	31	Flat 5x1.25	58.33 - 58.58	Manual	1.0000
L40	32	Flat 5x1.25	58.33 - 58.58	Manual	1.0000
L40	43	Flat 4.5x1	58.33 - 58.58	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L40	44	Flat 4.5x1	58.33 - 58.58	Manual	1.0000
L40	45	Flat 4.5x1	58.33 - 58.58	Manual	1.0000
L40	58	Flat 4.5x1	58.33 - 58.58	Manual	1.0000
L40	59	Flat 4.5x1	58.33 - 58.58	Manual	1.0000
L40	60	Flat 4.5x1	58.33 - 58.58	Manual	1.0000
L40	61	Flat 4.5x1	58.33 - 58.58	Manual	1.0000
L41	30	Flat 5x1.25	53.33 - 58.33	Manual	1.0000
L41	31	Flat 5x1.25	53.33 - 58.33	Manual	1.0000
L41	32	Flat 5x1.25	53.33 - 58.33	Manual	1.0000
L41	43	Flat 4.5x1	53.33 - 58.33	Manual	1.0000
L41	44	Flat 4.5x1	53.33 - 58.33	Manual	1.0000
L41	45	Flat 4.5x1	53.33 - 58.33	Manual	1.0000
L41	58	Flat 4.5x1	53.33 - 58.33	Manual	1.0000
L41	59	Flat 4.5x1	53.33 - 58.33	Manual	1.0000
L41	60	Flat 4.5x1	53.33 - 58.33	Manual	1.0000
L41	61	Flat 4.5x1	53.33 - 58.33	Manual	1.0000
L42	30	Flat 5x1.25	44.41 - 53.33	Manual	1.0000
L42	31	Flat 5x1.25	44.41 - 53.33	Manual	1.0000
L42	32	Flat 5x1.25	44.41 - 53.33	Manual	1.0000
L42	43	Flat 4.5x1	44.41 - 53.33	Manual	1.0000
L42	44	Flat 4.5x1	44.41 - 53.33	Manual	1.0000
L42	45	Flat 4.5x1	44.41 - 53.33	Manual	1.0000
L42	58	Flat 4.5x1	44.41 - 53.33	Manual	1.0000
L42	59	Flat 4.5x1	44.41 - 53.33	Manual	1.0000
L42	60	Flat 4.5x1	44.41 - 53.33	Manual	1.0000
L42	61	Flat 4.5x1	44.41 - 53.33	Manual	1.0000
L43	30	Flat 5x1.25	43.41 - 44.41	Manual	1.0000
L43	31	Flat 5x1.25	43.41 - 44.41	Manual	1.0000
L43	32	Flat 5x1.25	43.41 - 44.41	Manual	1.0000
L43	43	Flat 4.5x1	43.41 - 44.41	Manual	1.0000
L43	44	Flat 4.5x1	43.41 - 44.41	Manual	1.0000
L43	45	Flat 4.5x1	43.41 - 44.41	Manual	1.0000
L43	58	Flat 4.5x1	43.41 - 44.41	Manual	1.0000
L43	59	Flat 4.5x1	43.41 - 44.41	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L43	60	Flat 4.5x1	43.41 - 44.41	Manual	1.0000
L43	61	Flat 4.5x1	43.41 - 44.41	Manual	1.0000
L44	30	Flat 5x1.25	38.41 - 43.41	Manual	1.0000
L44	31	Flat 5x1.25	38.41 - 43.41	Manual	1.0000
L44	32	Flat 5x1.25	38.41 - 43.41	Manual	1.0000
L44	43	Flat 4.5x1	38.41 - 43.41	Manual	1.0000
L44	44	Flat 4.5x1	38.41 - 43.41	Manual	1.0000
L44	45	Flat 4.5x1	38.41 - 43.41	Manual	1.0000
L44	58	Flat 4.5x1	38.41 - 43.41	Manual	1.0000
L44	59	Flat 4.5x1	38.41 - 43.41	Manual	1.0000
L44	60	Flat 4.5x1	38.41 - 43.41	Manual	1.0000
L44	61	Flat 4.5x1	38.41 - 43.41	Manual	1.0000
L45	30	Flat 5x1.25	34.50 - 38.41	Manual	1.0000
L45	31	Flat 5x1.25	34.50 - 38.41	Manual	1.0000
L45	32	Flat 5x1.25	34.50 - 38.41	Manual	1.0000
L45	43	Flat 4.5x1	34.50 - 38.41	Manual	1.0000
L45	44	Flat 4.5x1	34.50 - 38.41	Manual	1.0000
L45	45	Flat 4.5x1	34.50 - 38.41	Manual	1.0000
L45	54	Flat 4.5x1.25	34.50 - 36.25	Manual	1.0000
L45	55	Flat 4.5x1.25	34.50 - 36.25	Manual	1.0000
L45	56	Flat 4.5x1.25	34.50 - 36.25	Manual	1.0000
L45	57	Flat 4.5x1.25	34.50 - 36.25	Manual	1.0000
L45	58	Flat 4.5x1	34.50 - 38.41	Manual	1.0000
L45	59	Flat 4.5x1	34.50 - 38.41	Manual	1.0000
L45	60	Flat 4.5x1	34.50 - 38.41	Manual	1.0000
L45	61	Flat 4.5x1	34.50 - 38.41	Manual	1.0000
L46	30	Flat 5x1.25	34.25 - 34.50	Manual	1.0000
L46	31	Flat 5x1.25	34.25 - 34.50	Manual	1.0000
L46	32	Flat 5x1.25	34.25 - 34.50	Manual	1.0000
L46	43	Flat 4.5x1	34.25 - 34.50	Manual	1.0000
L46	44	Flat 4.5x1	34.25 - 34.50	Manual	1.0000
L46	45	Flat 4.5x1	34.25 - 34.50	Manual	1.0000
L46	54	Flat 4.5x1.25	34.25 - 34.50	Manual	1.0000
L46	55	Flat 4.5x1.25	34.25 - 34.50	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L46	56	Flat 4.5x1.25	34.25 - 34.50	Manual	1.0000
L46	57	Flat 4.5x1.25	34.25 - 34.50	Manual	1.0000
L46	58	Flat 4.5x1	34.25 - 34.50	Manual	1.0000
L46	59	Flat 4.5x1	34.25 - 34.50	Manual	1.0000
L46	60	Flat 4.5x1	34.25 - 34.50	Manual	1.0000
L46	61	Flat 4.5x1	34.25 - 34.50	Manual	1.0000
L47	30	Flat 5x1.25	33.50 - 34.25	Manual	1.0000
L47	31	Flat 5x1.25	33.50 - 34.25	Manual	1.0000
L47	32	Flat 5x1.25	33.50 - 34.25	Manual	1.0000
L47	43	Flat 4.5x1	33.50 - 34.25	Manual	1.0000
L47	44	Flat 4.5x1	33.50 - 34.25	Manual	1.0000
L47	45	Flat 4.5x1	33.50 - 34.25	Manual	1.0000
L47	54	Flat 4.5x1.25	33.50 - 34.25	Manual	1.0000
L47	55	Flat 4.5x1.25	33.50 - 34.25	Manual	1.0000
L47	56	Flat 4.5x1.25	33.50 - 34.25	Manual	1.0000
L47	57	Flat 4.5x1.25	33.50 - 34.25	Manual	1.0000
L47	58	Flat 4.5x1	33.50 - 34.25	Manual	1.0000
L47	59	Flat 4.5x1	33.50 - 34.25	Manual	1.0000
L47	60	Flat 4.5x1	33.50 - 34.25	Manual	1.0000
L47	61	Flat 4.5x1	33.50 - 34.25	Manual	1.0000
L48	30	Flat 5x1.25	33.25 - 33.50	Manual	1.0000
L48	31	Flat 5x1.25	33.25 - 33.50	Manual	1.0000
L48	32	Flat 5x1.25	33.25 - 33.50	Manual	1.0000
L48	43	Flat 4.5x1	33.25 - 33.50	Manual	1.0000
L48	44	Flat 4.5x1	33.25 - 33.50	Manual	1.0000
L48	45	Flat 4.5x1	33.25 - 33.50	Manual	1.0000
L48	54	Flat 4.5x1.25	33.25 - 33.50	Manual	1.0000
L48	55	Flat 4.5x1.25	33.25 - 33.50	Manual	1.0000
L48	56	Flat 4.5x1.25	33.25 - 33.50	Manual	1.0000
L48	57	Flat 4.5x1.25	33.25 - 33.50	Manual	1.0000
L48	58	Flat 4.5x1	33.25 - 33.50	Manual	1.0000
L48	59	Flat 4.5x1	33.25 - 33.50	Manual	1.0000
L48	60	Flat 4.5x1	33.25 - 33.50	Manual	1.0000
L48	61	Flat 4.5x1	33.25 - 33.50	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L49	30	Flat 5x1.25	30.50 - 33.25	Manual	1.0000
L49	31	Flat 5x1.25	30.50 - 33.25	Manual	1.0000
L49	32	Flat 5x1.25	30.50 - 33.25	Manual	1.0000
L49	43	Flat 4.5x1	30.58 - 33.25	Manual	1.0000
L49	44	Flat 4.5x1	30.58 - 33.25	Manual	1.0000
L49	45	Flat 4.5x1	30.58 - 33.25	Manual	1.0000
L49	54	Flat 4.5x1.25	30.50 - 33.25	Manual	1.0000
L49	55	Flat 4.5x1.25	30.50 - 33.25	Manual	1.0000
L49	56	Flat 4.5x1.25	30.50 - 33.25	Manual	1.0000
L49	57	Flat 4.5x1.25	30.50 - 33.25	Manual	1.0000
L49	58	Flat 4.5x1	32.00 - 33.25	Manual	1.0000
L49	59	Flat 4.5x1	32.00 - 33.25	Manual	1.0000
L49	60	Flat 4.5x1	32.00 - 33.25	Manual	1.0000
L49	61	Flat 4.5x1	32.00 - 33.25	Manual	1.0000
L49	69	MP3-03 (L)	30.50 - 30.75	Manual	1.0000
L49	70	MP3-03 (L)	30.50 - 30.75	Manual	1.0000
L50	30	Flat 5x1.25	30.25 - 30.50	Manual	1.0000
L50	31	Flat 5x1.25	30.25 - 30.50	Manual	1.0000
L50	32	Flat 5x1.25	30.25 - 30.50	Manual	1.0000
L50	40	Flat 4.5x1	30.25 - 30.50	Manual	1.0000
L50	41	Flat 4.5x1	30.25 - 30.50	Manual	1.0000
L50	42	Flat 4.5x1	30.25 - 30.50	Manual	1.0000
L50	54	Flat 4.5x1.25	30.25 - 30.50	Manual	1.0000
L50	55	Flat 4.5x1.25	30.25 - 30.50	Manual	1.0000
L50	56	Flat 4.5x1.25	30.25 - 30.50	Manual	1.0000
L50	57	Flat 4.5x1.25	30.25 - 30.50	Manual	1.0000
L50	69	MP3-03 (L)	30.25 - 30.50	Manual	1.0000
L50	70	MP3-03 (L)	30.25 - 30.50	Manual	1.0000
L51	30	Flat 5x1.25	29.75 - 30.25	Manual	1.0000
L51	31	Flat 5x1.25	29.75 - 30.25	Manual	1.0000
L51	32	Flat 5x1.25	29.75 - 30.25	Manual	1.0000
L51	40	Flat 4.5x1	29.75 - 30.25	Manual	1.0000
L51	41	Flat 4.5x1	29.75 - 30.25	Manual	1.0000
L51	42	Flat 4.5x1	29.75 - 30.25	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L51	54	Flat 4.5x1.25	29.75 - 30.25	Manual	1.0000
L51	55	Flat 4.5x1.25	29.75 - 30.25	Manual	1.0000
L51	56	Flat 4.5x1.25	29.75 - 30.25	Manual	1.0000
L51	57	Flat 4.5x1.25	29.75 - 30.25	Manual	1.0000
L51	69	MP3-03 (L)	29.75 - 30.25	Manual	1.0000
L51	70	MP3-03 (L)	29.75 - 30.25	Manual	1.0000
L52	25	Flat 5x1.25	29.50 - 29.75	Manual	1.0000
L52	28	Flat 5x1.25	29.50 - 29.75	Manual	1.0000
L52	29	Flat 5x1.25	29.50 - 29.75	Manual	1.0000
L52	40	Flat 4.5x1	29.50 - 29.75	Manual	1.0000
L52	41	Flat 4.5x1	29.50 - 29.75	Manual	1.0000
L52	42	Flat 4.5x1	29.50 - 29.75	Manual	1.0000
L52	54	Flat 4.5x1.25	29.50 - 29.75	Manual	1.0000
L52	55	Flat 4.5x1.25	29.50 - 29.75	Manual	1.0000
L52	56	Flat 4.5x1.25	29.50 - 29.75	Manual	1.0000
L52	57	Flat 4.5x1.25	29.50 - 29.75	Manual	1.0000
L52	69	MP3-03 (L)	29.50 - 29.75	Manual	1.0000
L52	70	MP3-03 (L)	29.50 - 29.75	Manual	1.0000
L53	25	Flat 5x1.25	29.00 - 29.50	Manual	1.0000
L53	28	Flat 5x1.25	29.00 - 29.50	Manual	1.0000
L53	29	Flat 5x1.25	29.00 - 29.50	Manual	1.0000
L53	40	Flat 4.5x1	29.00 - 29.50	Manual	1.0000
L53	41	Flat 4.5x1	29.00 - 29.50	Manual	1.0000
L53	42	Flat 4.5x1	29.00 - 29.50	Manual	1.0000
L53	54	Flat 4.5x1.25	29.00 - 29.50	Manual	1.0000
L53	55	Flat 4.5x1.25	29.00 - 29.50	Manual	1.0000
L53	56	Flat 4.5x1.25	29.00 - 29.50	Manual	1.0000
L53	57	Flat 4.5x1.25	29.00 - 29.50	Manual	1.0000
L53	69	MP3-03 (L)	29.00 - 29.50	Manual	1.0000
L53	70	MP3-03 (L)	29.00 - 29.50	Manual	1.0000
L54	25	Flat 5x1.25	28.75 - 29.00	Manual	1.0000
L54	28	Flat 5x1.25	28.75 - 29.00	Manual	1.0000
L54	29	Flat 5x1.25	28.75 - 29.00	Manual	1.0000
L54	40	Flat 4.5x1	28.75 - 29.00	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L54	41	Flat 4.5x1	28.75 - 29.00	Manual	1.0000
L54	42	Flat 4.5x1	28.75 - 29.00	Manual	1.0000
L54	54	Flat 4.5x1.25	28.75 - 29.00	Manual	1.0000
L54	55	Flat 4.5x1.25	28.75 - 29.00	Manual	1.0000
L54	56	Flat 4.5x1.25	28.75 - 29.00	Manual	1.0000
L54	57	Flat 4.5x1.25	28.75 - 29.00	Manual	1.0000
L54	69	MP3-03 (L)	28.75 - 29.00	Manual	1.0000
L54	70	MP3-03 (L)	28.75 - 29.00	Manual	1.0000
L55	25	Flat 5x1.25	27.58 - 28.75	Manual	1.0000
L55	28	Flat 5x1.25	27.58 - 28.75	Manual	1.0000
L55	29	Flat 5x1.25	27.58 - 28.75	Manual	1.0000
L55	40	Flat 4.5x1	27.58 - 28.75	Manual	1.0000
L55	41	Flat 4.5x1	27.58 - 28.75	Manual	1.0000
L55	42	Flat 4.5x1	27.58 - 28.75	Manual	1.0000
L55	54	Flat 4.5x1.25	27.58 - 28.75	Manual	1.0000
L55	55	Flat 4.5x1.25	27.58 - 28.75	Manual	1.0000
L55	56	Flat 4.5x1.25	27.58 - 28.75	Manual	1.0000
L55	57	Flat 4.5x1.25	27.58 - 28.75	Manual	1.0000
L55	69	MP3-03 (L)	27.58 - 28.75	Manual	1.0000
L55	70	MP3-03 (L)	27.58 - 28.75	Manual	1.0000
L56	25	Flat 5x1.25	27.33 - 27.58	Manual	1.0000
L56	28	Flat 5x1.25	27.33 - 27.58	Manual	1.0000
L56	29	Flat 5x1.25	27.33 - 27.58	Manual	1.0000
L56	40	Flat 4.5x1	27.33 - 27.58	Manual	1.0000
L56	41	Flat 4.5x1	27.33 - 27.58	Manual	1.0000
L56	42	Flat 4.5x1	27.33 - 27.58	Manual	1.0000
L56	54	Flat 4.5x1.25	27.33 - 27.58	Manual	1.0000
L56	55	Flat 4.5x1.25	27.33 - 27.58	Manual	1.0000
L56	56	Flat 4.5x1.25	27.33 - 27.58	Manual	1.0000
L56	57	Flat 4.5x1.25	27.33 - 27.58	Manual	1.0000
L56	69	MP3-03 (L)	27.33 - 27.58	Manual	1.0000
L56	70	MP3-03 (L)	27.33 - 27.58	Manual	1.0000
L57	25	Flat 5x1.25	22.33 - 27.33	Manual	1.0000
L57	28	Flat 5x1.25	22.33 - 27.33	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L57	29	Flat 5x1.25	22.33 - 27.33	Manual	1.0000
L57	40	Flat 4.5x1	22.33 - 27.33	Manual	1.0000
L57	41	Flat 4.5x1	22.33 - 27.33	Manual	1.0000
L57	42	Flat 4.5x1	22.33 - 27.33	Manual	1.0000
L57	54	Flat 4.5x1.25	22.33 - 27.33	Manual	1.0000
L57	55	Flat 4.5x1.25	22.33 - 27.33	Manual	1.0000
L57	56	Flat 4.5x1.25	22.33 - 27.33	Manual	1.0000
L57	57	Flat 4.5x1.25	22.33 - 27.33	Manual	1.0000
L57	69	MP3-03 (L)	22.33 - 27.33	Manual	1.0000
L57	70	MP3-03 (L)	22.33 - 27.33	Manual	1.0000
L58	25	Flat 5x1.25	17.33 - 22.33	Manual	1.0000
L58	28	Flat 5x1.25	17.33 - 22.33	Manual	1.0000
L58	29	Flat 5x1.25	17.33 - 22.33	Manual	1.0000
L58	40	Flat 4.5x1	17.33 - 22.33	Manual	1.0000
L58	41	Flat 4.5x1	17.33 - 22.33	Manual	1.0000
L58	42	Flat 4.5x1	17.33 - 22.33	Manual	1.0000
L58	54	Flat 4.5x1.25	17.33 - 22.33	Manual	1.0000
L58	55	Flat 4.5x1.25	17.33 - 22.33	Manual	1.0000
L58	56	Flat 4.5x1.25	17.33 - 22.33	Manual	1.0000
L58	57	Flat 4.5x1.25	17.33 - 22.33	Manual	1.0000
L58	69	MP3-03 (L)	17.33 - 22.33	Manual	1.0000
L58	70	MP3-03 (L)	17.33 - 22.33	Manual	1.0000
L59	25	Flat 5x1.25	12.33 - 17.33	Manual	1.0000
L59	28	Flat 5x1.25	12.33 - 17.33	Manual	1.0000
L59	29	Flat 5x1.25	12.33 - 17.33	Manual	1.0000
L59	40	Flat 4.5x1	12.33 - 17.33	Manual	1.0000
L59	41	Flat 4.5x1	12.33 - 17.33	Manual	1.0000
L59	42	Flat 4.5x1	12.33 - 17.33	Manual	1.0000
L59	54	Flat 4.5x1.25	12.33 - 17.33	Manual	1.0000
L59	55	Flat 4.5x1.25	12.33 - 17.33	Manual	1.0000
L59	56	Flat 4.5x1.25	12.33 - 17.33	Manual	1.0000
L59	57	Flat 4.5x1.25	12.33 - 17.33	Manual	1.0000
L59	69	MP3-03 (L)	12.33 - 17.33	Manual	1.0000
L59	70	MP3-03 (L)	12.33 - 17.33	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L60	25	Flat 5x1.25	7.33 - 12.33	Manual	1.0000
L60	26	Flat 5x1.25	7.33 - 9.17	Manual	1.0000
L60	27	Flat 5x1.25	7.33 - 9.17	Manual	1.0000
L60	28	Flat 5x1.25	7.33 - 12.33	Manual	1.0000
L60	29	Flat 5x1.25	7.33 - 12.33	Manual	1.0000
L60	40	Flat 4.5x1	7.33 - 12.33	Manual	1.0000
L60	41	Flat 4.5x1	7.33 - 12.33	Manual	1.0000
L60	42	Flat 4.5x1	7.33 - 12.33	Manual	1.0000
L60	54	Flat 4.5x1.25	7.33 - 12.33	Manual	1.0000
L60	55	Flat 4.5x1.25	7.33 - 12.33	Manual	1.0000
L60	56	Flat 4.5x1.25	7.33 - 12.33	Manual	1.0000
L60	57	Flat 4.5x1.25	7.33 - 12.33	Manual	1.0000
L60	69	MP3-03 (L)	7.33 - 12.33	Manual	1.0000
L60	70	MP3-03 (L)	7.33 - 12.33	Manual	1.0000
L61	25	Flat 5x1.25	6.75 - 7.33	Manual	1.0000
L61	26	Flat 5x1.25	6.75 - 7.33	Manual	1.0000
L61	27	Flat 5x1.25	6.75 - 7.33	Manual	1.0000
L61	28	Flat 5x1.25	6.75 - 7.33	Manual	1.0000
L61	29	Flat 5x1.25	6.75 - 7.33	Manual	1.0000
L61	40	Flat 4.5x1	6.75 - 7.33	Manual	1.0000
L61	41	Flat 4.5x1	6.75 - 7.33	Manual	1.0000
L61	42	Flat 4.5x1	6.75 - 7.33	Manual	1.0000
L61	54	Flat 4.5x1.25	6.75 - 7.33	Manual	1.0000
L61	55	Flat 4.5x1.25	6.75 - 7.33	Manual	1.0000
L61	56	Flat 4.5x1.25	6.75 - 7.33	Manual	1.0000
L61	57	Flat 4.5x1.25	6.75 - 7.33	Manual	1.0000
L61	69	MP3-03 (L)	6.75 - 7.33	Manual	1.0000
L61	70	MP3-03 (L)	6.75 - 7.33	Manual	1.0000
L62	25	Flat 5x1.25	6.50 - 6.75	Manual	1.0000
L62	26	Flat 5x1.25	6.50 - 6.75	Manual	1.0000
L62	27	Flat 5x1.25	6.50 - 6.75	Manual	1.0000
L62	28	Flat 5x1.25	6.50 - 6.75	Manual	1.0000
L62	29	Flat 5x1.25	6.50 - 6.75	Manual	1.0000
L62	40	Flat 4.5x1	6.50 - 6.75	Manual	1.0000
L62	41	Flat 4.5x1	6.50 - 6.75	Manual	1.0000
L62	42	Flat 4.5x1	6.50 - 6.75	Manual	1.0000
L62	54	Flat 4.5x1.25	6.50 - 6.75	Manual	1.0000
L62	55	Flat 4.5x1.25	6.50 - 6.75	Manual	1.0000
L62	56	Flat 4.5x1.25	6.50 - 6.75	Manual	1.0000
L62	57	Flat 4.5x1.25	6.50 - 6.75	Manual	1.0000
L62	69	MP3-03 (L)	6.50 - 6.75	Manual	1.0000
L62	70	MP3-03 (L)	6.50 - 6.75	Manual	1.0000
L63	25	Flat 5x1.25	3.00 - 6.50	Manual	1.0000
L63	26	Flat 5x1.25	3.00 - 6.50	Manual	1.0000
L63	27	Flat 5x1.25	3.00 - 6.50	Manual	1.0000
L63	28	Flat 5x1.25	3.00 - 6.50	Manual	1.0000
L63	29	Flat 5x1.25	4.33 - 6.50	Manual	1.0000
L63	40	Flat 4.5x1	3.00 - 6.50	Manual	1.0000
L63	41	Flat 4.5x1	3.00 - 6.50	Manual	1.0000
L63	42	Flat 4.5x1	3.00 - 6.50	Manual	1.0000
L63	54	Flat 4.5x1.25	3.00 - 6.50	Manual	1.0000
L63	55	Flat 4.5x1.25	3.00 - 6.50	Manual	1.0000
L63	56	Flat 4.5x1.25	3.00 - 6.50	Manual	1.0000
L63	57	Flat 4.5x1.25	3.00 - 6.50	Manual	1.0000
L63	69	MP3-03 (L)	5.75 - 6.50	Manual	1.0000
L63	70	MP3-03 (L)	5.75 - 6.50	Manual	1.0000
L64	25	Flat 5x1.25	2.75 - 3.00	Manual	1.0000
L64	26	Flat 5x1.25	2.75 - 3.00	Manual	1.0000
L64	27	Flat 5x1.25	2.75 - 3.00	Manual	1.0000
L64	28	Flat 5x1.25	2.75 - 3.00	Manual	1.0000
L64	40	Flat 4.5x1	2.75 - 3.00	Manual	1.0000
L64	41	Flat 4.5x1	2.75 - 3.00	Manual	1.0000
L64	42	Flat 4.5x1	2.75 - 3.00	Manual	1.0000
L64	54	Flat 4.5x1.25	2.75 - 3.00	Manual	1.0000
L64	55	Flat 4.5x1.25	2.75 - 3.00	Manual	1.0000
L64	56	Flat 4.5x1.25	2.75 - 3.00	Manual	1.0000
L64	57	Flat 4.5x1.25	2.75 - 3.00	Manual	1.0000
L65	25	Flat 5x1.25	2.50 - 2.75	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L65	26	Flat 5x1.25	2.50 - 2.75	Manual	1.0000
L65	27	Flat 5x1.25	2.50 - 2.75	Manual	1.0000
L65	28	Flat 5x1.25	2.50 - 2.75	Manual	1.0000
L65	40	Flat 4.5x1	2.50 - 2.75	Manual	1.0000
L65	41	Flat 4.5x1	2.50 - 2.75	Manual	1.0000
L65	42	Flat 4.5x1	2.50 - 2.75	Manual	1.0000
L65	54	Flat 4.5x1.25	2.50 - 2.75	Manual	1.0000
L65	55	Flat 4.5x1.25	2.50 - 2.75	Manual	1.0000
L65	56	Flat 4.5x1.25	2.50 - 2.75	Manual	1.0000
L65	57	Flat 4.5x1.25	2.50 - 2.75	Manual	1.0000
L66	25	Flat 5x1.25	2.25 - 2.50	Manual	1.0000
L66	26	Flat 5x1.25	2.25 - 2.50	Manual	1.0000
L66	27	Flat 5x1.25	2.25 - 2.50	Manual	1.0000
L66	28	Flat 5x1.25	2.25 - 2.50	Manual	1.0000
L66	40	Flat 4.5x1	2.25 - 2.50	Manual	1.0000
L66	41	Flat 4.5x1	2.25 - 2.50	Manual	1.0000
L66	42	Flat 4.5x1	2.25 - 2.50	Manual	1.0000
L66	54	Flat 4.5x1.25	2.25 - 2.50	Manual	1.0000
L66	55	Flat 4.5x1.25	2.25 - 2.50	Manual	1.0000
L66	56	Flat 4.5x1.25	2.25 - 2.50	Manual	1.0000
L66	57	Flat 4.5x1.25	2.25 - 2.50	Manual	1.0000
L67	25	Flat 5x1.25	0.00 - 2.25	Manual	1.0000
L67	26	Flat 5x1.25	0.00 - 2.25	Manual	1.0000
L67	27	Flat 5x1.25	0.00 - 2.25	Manual	1.0000
L67	28	Flat 5x1.25	0.00 - 2.25	Manual	1.0000
L67	40	Flat 4.5x1	0.50 - 2.25	Manual	1.0000
L67	41	Flat 4.5x1	0.50 - 2.25	Manual	1.0000
L67	42	Flat 4.5x1	0.50 - 2.25	Manual	1.0000
L67	54	Flat 4.5x1.25	1.25 - 2.25	Manual	1.0000
L67	55	Flat 4.5x1.25	1.25 - 2.25	Manual	1.0000
L67	56	Flat 4.5x1.25	1.25 - 2.25	Manual	1.0000
L67	57	Flat 4.5x1.25	1.25 - 2.25	Manual	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horiz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
APXVSP18-C-A20	A	From Leg	4.0000 0.00 2.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6600 5.1200 5.6000 6.5800	3.1100 3.5500 4.0000 4.9400	0.07 0.12 0.18 0.32
APXVSP18-C-A20	B	From Leg	4.0000 0.00 2.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6600 5.1200 5.6000 6.5800	3.1100 3.5500 4.0000 4.9400	0.07 0.12 0.18 0.32
APXVSP18-C-A20	C	From Leg	4.0000 0.00 2.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6600 5.1200 5.6000 6.5800	3.1100 3.5500 4.0000 4.9400	0.07 0.12 0.18 0.32
DT465B-2XR	A	From Leg	4.0000 0.00 2.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice	5.2900 5.7500 6.2200 7.2000	3.0500 3.4800 3.9300 4.8400	0.06 0.12 0.18 0.33

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
DT465B-2XR	B	From Leg	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice	5.2900 5.7500 6.2200 7.2000	3.0500 3.4800 3.9300 4.8400	0.06 0.12 0.18 0.33
DT465B-2XR	C	From Leg	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice	5.2900 5.7500 6.2200 7.2000	3.0500 3.4800 3.9300 4.8400	0.06 0.12 0.18 0.33
PCS 1900MHZ 4X45W- 65MHZ	A	From Leg	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice	2.3218 2.5266 2.7388 3.1855	2.2381 2.4407 2.6507 3.0929	0.06 0.08 0.11 0.17
PCS 1900MHZ 4X45W- 65MHZ	B	From Leg	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice	2.3218 2.5266 2.7388 3.1855	2.2381 2.4407 2.6507 3.0929	0.06 0.08 0.11 0.17
PCS 1900MHZ 4X45W- 65MHZ	C	From Leg	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice	2.3218 2.5266 2.7388 3.1855	2.2381 2.4407 2.6507 3.0929	0.06 0.08 0.11 0.17
800MHZ RRH	A	From Leg	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice	2.1342 2.3195 2.5123 2.9201	1.7730 1.9461 2.1267 2.5100	0.05 0.07 0.10 0.16
800MHZ RRH	B	From Leg	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice	2.1342 2.3195 2.5123 2.9201	1.7730 1.9461 2.1267 2.5100	0.05 0.07 0.10 0.16
800MHZ RRH	C	From Leg	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice	2.1342 2.3195 2.5123 2.9201	1.7730 1.9461 2.1267 2.5100	0.05 0.07 0.10 0.16
TD-RRH8X20-25	A	From Leg	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" 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	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" 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	4.0000 0.00 2.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" 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
Sitepro1 RMQP (platform+handrail+kickers)	C	None		0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice	23.1400 28.1700 33.2000 43.2600	23.1400 28.1700 33.2000 43.2600	0.28 0.30 0.32 0.36

ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	129.0000	No Ice 1/2" Ice	6.3292 6.7751 7.2137	5.6424 6.4259 7.1313	0.11 0.17 0.23

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
						1" Ice	8.1168	8.5907	0.38
						2" Ice			
ERICSSON AIR 21 B2A	B	From Leg	4.0000	0.0000	129.0000	No Ice	6.3292	5.6424	0.11
B4P w/ Mount Pipe			0.00			1/2"	6.7751	6.4259	0.17
			0.00			Ice	7.2137	7.1313	0.23
						1" Ice	8.1168	8.5907	0.38
						2" Ice			
ERICSSON AIR 21 B2A	C	From Leg	4.0000	0.0000	129.0000	No Ice	6.3292	5.6424	0.11
B4P w/ Mount Pipe			0.00			1/2"	6.7751	6.4259	0.17
			0.00			Ice	7.2137	7.1313	0.23
						1" Ice	8.1168	8.5907	0.38
						2" Ice			
ERICSSON AIR 21 B4A	A	From Leg	4.0000	0.0000	129.0000	No Ice	6.3186	5.6334	0.11
B2P w/ Mount Pipe			0.00			1/2"	6.7646	6.4160	0.17
			0.00			Ice	7.2032	7.1208	0.23
						1" Ice	8.1062	8.5791	0.38
						2" Ice			
ERICSSON AIR 21 B4A	B	From Leg	4.0000	0.0000	129.0000	No Ice	6.3186	5.6334	0.11
B2P w/ Mount Pipe			0.00			1/2"	6.7646	6.4160	0.17
			0.00			Ice	7.2032	7.1208	0.23
						1" Ice	8.1062	8.5791	0.38
						2" Ice			
ERICSSON AIR 21 B4A	C	From Leg	4.0000	0.0000	129.0000	No Ice	6.3186	5.6334	0.11
B2P w/ Mount Pipe			0.00			1/2"	6.7646	6.4160	0.17
			0.00			Ice	7.2032	7.1208	0.23
						1" Ice	8.1062	8.5791	0.38
						2" Ice			
KRY 112 144/1	A	From Leg	4.0000	0.0000	129.0000	No Ice	0.3500	0.1750	0.01
			0.00			1/2"	0.4259	0.2343	0.01
			0.00			Ice	0.5093	0.3009	0.02
						1" Ice	0.6981	0.4565	0.03
						2" Ice			
KRY 112 144/1	B	From Leg	4.0000	0.0000	129.0000	No Ice	0.3500	0.1750	0.01
			0.00			1/2"	0.4259	0.2343	0.01
			0.00			Ice	0.5093	0.3009	0.02
						1" Ice	0.6981	0.4565	0.03
						2" Ice			
KRY 112 144/1	C	From Leg	4.0000	0.0000	129.0000	No Ice	0.3500	0.1750	0.01
			0.00			1/2"	0.4259	0.2343	0.01
			0.00			Ice	0.5093	0.3009	0.02
						1" Ice	0.6981	0.4565	0.03
						2" Ice			
Platform Mount [LP 1201-1]	C	None		0.0000	129.0000	No Ice	18.3800	18.3800	2.10
						1/2"	22.1100	22.1100	2.65
						Ice	25.8700	25.8700	3.26
						1" Ice	33.4700	33.4700	4.66
						2" Ice			

LNx-6515DS-VTM w/	A	From Leg	4.0000	0.0000	129.0000	No Ice	5.3100	4.2700	0.08
Mount Pipe			0.00			1/2"	5.8000	4.7500	0.17
			0.00			Ice	6.3000	5.2400	0.26
						1" Ice	7.3300	6.2400	0.49
						2" Ice			
LNx-6515DS-VTM w/	A	From Leg	4.0000	0.0000	129.0000	No Ice	5.3100	4.2700	0.08
Mount Pipe			0.00			1/2"	5.8000	4.7500	0.17
			0.00			Ice	6.3000	5.2400	0.26
						1" Ice	7.3300	6.2400	0.49
						2" Ice			
LNx-6515DS-VTM w/	A	From Leg	4.0000	0.0000	129.0000	No Ice	5.3100	4.2700	0.08
Mount Pipe			0.00			1/2"	5.8000	4.7500	0.17
			0.00			Ice	6.3000	5.2400	0.26
						1" Ice	7.3300	6.2400	0.49
						2" Ice			
RRUS 11 B12	A	From Leg	4.0000	0.0000	129.0000	No Ice	2.8333	1.1821	0.05
			0.00			1/2"	3.0426	1.3299	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			0.00			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	129.0000	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	129.0000	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			

KS24019-L112A	C	From Leg	3.0000	0.0000	50.0000	No Ice	0.1407	0.1407	0.01
			0.00			1/2"	0.1979	0.1979	0.01
			1.00			Ice	0.2621	0.2621	0.01
						1" Ice	0.4148	0.4148	0.02
						2" Ice			
Side Arm Mount [SO 701-1]	C	From Leg	1.5000	0.0000	50.0000	No Ice	0.8500	1.6700	0.07
			0.00			1/2"	1.1400	2.3400	0.08
			0.00			Ice	1.4300	3.0100	0.09
						1" Ice	2.0100	4.3500	0.12
						2" Ice			

Platform Mount [LP 712-1]	C	None		0.0000	136.0000	No Ice	24.5600	24.5600	1.34
						1/2"	27.9200	27.9200	1.91
						Ice	31.2700	31.2700	2.55
						1" Ice	37.9800	37.9800	3.97
						2" Ice			
(2) LPA-80080/4CF w/ Mount Pipe	A	From Leg	4.0000	0.0000	136.0000	No Ice	2.8561	6.5689	0.03
			0.00			1/2"	3.2195	7.1948	0.08
			2.00			Ice	3.5922	7.8369	0.13
						1" Ice	4.3374	9.1700	0.25
						2" Ice			
(2) LPA-80080/4CF w/ Mount Pipe	B	From Leg	4.0000	0.0000	136.0000	No Ice	2.8561	6.5689	0.03
			0.00			1/2"	3.2195	7.1948	0.08
			2.00			Ice	3.5922	7.8369	0.13
						1" Ice	4.3374	9.1700	0.25
						2" Ice			
(2) LPA-80080/4CF w/ Mount Pipe	C	From Leg	4.0000	0.0000	136.0000	No Ice	2.8561	6.5689	0.03
			0.00			1/2"	3.2195	7.1948	0.08
			2.00			Ice	3.5922	7.8369	0.13
						1" Ice	4.3374	9.1700	0.25
						2" Ice			
(2) SBNHH-1D65A w/ Mount Pipe	A	From Leg	4.0000	0.0000	136.0000	No Ice	3.0400	2.4500	0.05
			0.00			1/2"	3.3400	2.7500	0.10
			2.00			Ice	3.6500	3.0500	0.16
						1" Ice	4.3100	3.6800	0.31
						2" Ice			
(2) SBNHH-1D65A w/ Mount Pipe	B	From Leg	4.0000	0.0000	136.0000	No Ice	3.0400	2.4500	0.05
			0.00			1/2"	3.3400	2.7500	0.10
			2.00			Ice	3.6500	3.0500	0.16
						1" Ice	4.3100	3.6800	0.31
						2" Ice			
(2) SBNHH-1D65A w/ Mount Pipe	C	From Leg	4.0000	0.0000	136.0000	No Ice	3.0400	2.4500	0.05
			0.00			1/2"	3.3400	2.7500	0.10
			2.00			Ice	3.6500	3.0500	0.16
						1" Ice	4.3100	3.6800	0.31
						2" Ice			
RRH2X60-700	A	From Leg	4.0000	0.0000	136.0000	No Ice	3.5002	1.8157	0.06
			0.00			1/2"	3.7609	2.0519	0.08
			2.00			Ice	4.0285	2.2894	0.11
						1" Ice	4.5849	2.7852	0.17
						2" Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
RRH2X60-700	B	From Leg	4.0000 0.00 2.00	0.0000	136.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.5002 3.7609 4.0285 4.5849	1.8157 2.0519 2.2894 2.7852	0.06 0.08 0.11 0.17
RRH2X60-700	C	From Leg	4.0000 0.00 2.00	0.0000	136.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.5002 3.7609 4.0285 4.5849	1.8157 2.0519 2.2894 2.7852	0.06 0.08 0.11 0.17
RRH4X45-AWS4 B66	A	From Leg	4.0000 0.00 2.00	0.0000	136.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.6600 2.8781 3.1037 3.5770	1.5861 1.7690 1.9588 2.3594	0.06 0.08 0.11 0.17
RRH4X45-AWS4 B66	B	From Leg	4.0000 0.00 2.00	0.0000	136.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.6600 2.8781 3.1037 3.5770	1.5861 1.7690 1.9588 2.3594	0.06 0.08 0.11 0.17
RRH4X45-AWS4 B66	C	From Leg	4.0000 0.00 2.00	0.0000	136.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.6600 2.8781 3.1037 3.5770	1.5861 1.7690 1.9588 2.3594	0.06 0.08 0.11 0.17
(2) DB-B1-6C-12AB-0Z	A	From Leg	4.0000 0.00 2.00	0.0000	136.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.3636 3.5972 3.8383 4.3426	2.1921 2.3950 2.6056 3.0491	0.03 0.06 0.09 0.17

Platform Mount [LP 303-1_HR-1]	C	None		0.0000	116.0000	No Ice 1/2" Ice 1" Ice 2" Ice	17.0900 21.4700 25.7200 33.9600	17.0900 21.4700 25.7200 33.9600	1.50 1.88 2.35 3.52
8' x 2" Mount Pipe	A	None		0.0000	116.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.9000 2.7281 3.4009 4.3962	1.9000 2.7281 3.4009 4.3962	0.03 0.04 0.06 0.12
8' x 2" Mount Pipe	B	None		0.0000	116.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.9000 2.7281 3.4009 4.3962	1.9000 2.7281 3.4009 4.3962	1.50 1.88 2.35 3.52
8' x 2" Mount Pipe	C	None		0.0000	116.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.9000 2.7281 3.4009 4.3962	1.9000 2.7281 3.4009 4.3962	0.03 0.04 0.06 0.12
DMP65R-BU8D w/ Mount Pipe	A	From Leg	4.0000 0.00 2.00	0.0000	116.0000	No Ice 1/2" Ice 1" Ice 2" Ice	15.8900 16.8100 17.7600 19.7000	7.8900 8.7400 9.6000 11.3700	0.14 0.25 0.38 0.68
DMP65R-BU8D w/ Mount Pipe	B	From Leg	4.0000 0.00 2.00	0.0000	116.0000	No Ice 1/2" Ice 1" Ice 2" Ice	15.8900 16.8100 17.7600 19.7000	7.8900 8.7400 9.6000 11.3700	0.14 0.25 0.38 0.68
DMP65R-BU8D w/ Mount Pipe	C	From Leg	4.0000 0.00 2.00	0.0000	116.0000	No Ice 1/2" Ice 1" Ice 2" Ice	15.8900 16.8100 17.7600 19.7000	7.8900 8.7400 9.6000 11.3700	0.14 0.25 0.38 0.68

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
OPA65R-BU8D w/ Mount Pipe	A	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	17.4600 18.4600 19.4800 21.5800	8.5800 9.4900 10.4200 12.3300	0.11 0.22 0.35 0.66
OPA65R-BU8D w/ Mount Pipe	B	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	17.4600 18.4600 19.4800 21.5800	8.5800 9.4900 10.4200 12.3300	0.11 0.22 0.35 0.66
OPA65R-BU8D w/ Mount Pipe	C	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	17.4600 18.4600 19.4800 21.5800	8.5800 9.4900 10.4200 12.3300	0.11 0.22 0.35 0.66
RA21.7770.00 w/ Mount Pipe	A	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	4.1400 4.5700 5.0100 5.9300	2.4600 2.8700 3.2900 4.1500	0.06 0.11 0.17 0.31
RA21.7770.00 w/ Mount Pipe	B	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	4.1400 4.5700 5.0100 5.9300	2.4600 2.8700 3.2900 4.1500	0.06 0.11 0.17 0.31
RA21.7770.00 w/ Mount Pipe	C	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	4.1400 4.5700 5.0100 5.9300	2.4600 2.8700 3.2900 4.1500	0.06 0.11 0.17 0.31
RRUS 4449 B5/B12	A	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.9675 2.1439 2.3278 2.7177	1.4081 1.5637 1.7267 2.0749	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	B	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.9675 2.1439 2.3278 2.7177	1.4081 1.5637 1.7267 2.0749	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	C	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.9675 2.1439 2.3278 2.7177	1.4081 1.5637 1.7267 2.0749	0.07 0.09 0.11 0.16
RRUS 4478 B14	A	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	2.0212 2.1999 2.3860 2.7804	1.2459 1.3960 1.5536 1.8909	0.06 0.08 0.10 0.15
RRUS 4478 B14	B	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	2.0212 2.1999 2.3860 2.7804	1.2459 1.3960 1.5536 1.8909	0.06 0.08 0.10 0.15
RRUS 4478 B14	C	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	2.0212 2.1999 2.3860 2.7804	1.2459 1.3960 1.5536 1.8909	0.06 0.08 0.10 0.15
RRUS 8843 B2/B66A	A	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.6390 1.7988 1.9660 2.3227	1.3534 1.5005 1.6549 1.9860	0.07 0.09 0.11 0.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RRUS 8843 B2/B66A	B	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.6390 1.7988 1.9660 2.3227	1.3534 1.5005 1.6549 1.9860	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	C	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.6390 1.7988 1.9660 2.3227	1.3534 1.5005 1.6549 1.9860	0.07 0.09 0.11 0.16
(2) LGP21401	A	From Leg	4.0000 0.00 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" 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 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" 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 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" 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 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" 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 2.00	0.0000	116.0000	2" Ice No Ice 1/2" Ice 1" 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
****						2" Ice			

Tower Pressures - No Ice

$$G_H = 1.100$$

Section Elevation ft	z ft	K _Z	q _z psf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 147.0000- 142.0000	144.4733	1.368	57	7.091	A	0.000	7.091	7.091	100.00	0.000	0.000
					B	0.000	7.091		100.00	0.000	0.000
					C	0.000	7.091		100.00	0.000	0.000
L2 142.0000- 137.0000	139.4749	1.357	57	7.546	A	0.000	7.546	7.546	100.00	0.000	0.000
					B	0.000	7.546		100.00	0.000	0.000
					C	0.000	7.546		100.00	0.000	0.000
L3 137.0000- 132.0000	134.4763	1.347	56	8.001	A	0.000	8.001	8.001	100.00	0.000	0.000
					B	0.000	8.001		100.00	0.000	0.000
					C	0.000	8.001		100.00	0.000	0.000
L4 132.0000- 127.0000	129.4776	1.336	56	8.456	A	0.000	8.456	8.456	100.00	0.325	0.000
					B	0.000	8.456		100.00	0.000	0.000
					C	0.000	8.456		100.00	0.000	0.000
L5 127.0000-	123.6479	1.323	55	11.915	A	0.000	11.915	11.915	100.00	1.077	0.000

Section Elevation	z	K _Z	q _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	ft ²		ft ²	ft ²	ft ²			
120.3700					B	0.000	11.915		100.00	0.000	0.000
					C	0.000	11.915		100.00	0.000	0.000
L6 120.3700- 118.6200	119.4925	1.314	55	3.220	A	0.000	3.220	3.220	100.00	0.284	0.000
					B	0.000	3.220		100.00	0.000	0.000
					C	0.000	3.220		100.00	0.000	0.000
L7 118.6200- 113.6200	116.1004	1.306	55	9.502	A	0.000	9.502	9.502	100.00	1.218	0.000
					B	0.000	9.502		100.00	0.499	0.000
					C	0.000	9.502		100.00	1.142	0.000
L8 113.6200- 113.0800	113.3498	1.299	54	1.053	A	0.000	1.053	1.053	100.00	0.493	0.000
					B	0.000	1.053		100.00	0.426	0.000
					C	0.000	1.053		100.00	0.572	0.000
L9 113.0800- 112.8300	112.9550	1.298	54	0.489	A	0.000	0.489	0.489	100.00	0.228	0.000
					B	0.000	0.489		100.00	0.197	0.000
					C	0.000	0.489		100.00	0.265	0.000
L10 112.8300- 112.1600	112.4947	1.297	54	1.317	A	0.000	1.317	1.317	100.00	0.611	0.000
					B	0.000	1.317		100.00	0.529	0.000
					C	0.000	1.317		100.00	0.710	0.000
L11 112.1600- 111.9100	112.0350	1.296	54	0.493	A	0.000	0.493	0.493	100.00	0.296	0.000
					B	0.000	0.493		100.00	0.265	0.000
					C	0.000	0.493		100.00	0.332	0.000
L12 111.9100- 110.5000	111.2035	1.294	54	2.799	A	0.000	2.799	2.799	100.00	2.344	0.000
					B	0.000	2.799		100.00	2.171	0.000
					C	0.000	2.799		100.00	2.552	0.000
L13 110.5000- 110.2500	110.3750	1.292	54	0.499	A	0.000	0.499	0.499	100.00	0.416	0.000
					B	0.000	0.499		100.00	0.385	0.000
					C	0.000	0.499		100.00	0.452	0.000
L14 110.2500- 105.2500	107.7318	1.286	54	10.222	A	0.000	10.222	10.222	100.00	9.302	0.000
					B	0.000	10.222		100.00	8.686	0.000
					C	0.000	10.222		100.00	10.038	0.000
L15 105.2500- 105.0000	105.1250	1.279	54	0.523	A	0.000	0.523	0.523	100.00	0.614	0.000
					B	0.000	0.523		100.00	0.583	0.000
					C	0.000	0.523		100.00	0.650	0.000
L16 105.0000- 104.7500	104.8750	1.278	54	0.523	A	0.000	0.523	0.523	100.00	0.614	0.000
					B	0.000	0.523		100.00	0.583	0.000
					C	0.000	0.523		100.00	0.650	0.000
L17 104.7500- 103.5000	104.1239	1.276	53	2.632	A	0.000	2.632	2.632	100.00	3.068	0.000
					B	0.000	2.632		100.00	2.914	0.000
					C	0.000	2.632		100.00	3.252	0.000
L18 103.5000- 103.2500	103.3750	1.274	53	0.531	A	0.000	0.531	0.531	100.00	0.614	0.000
					B	0.000	0.531		100.00	0.583	0.000
					C	0.000	0.531		100.00	0.650	0.000
L19 103.2500- 98.2500	100.7329	1.268	53	10.848	A	0.000	10.848	10.848	100.00	9.458	0.000
					B	0.000	10.848		100.00	8.843	0.000
					C	0.000	10.848		100.00	10.194	0.000
L20 98.2500- 94.1700	96.1990	1.255	53	9.186	A	0.000	9.186	9.186	100.00	8.153	0.000
					B	0.000	9.186		100.00	7.651	0.000
					C	0.000	9.186		100.00	8.753	0.000
L21 94.1700- 93.9200	94.0450	1.249	52	0.572	A	0.000	0.572	0.572	100.00	0.593	0.000
					B	0.000	0.572		100.00	0.562	0.000
					C	0.000	0.572		100.00	0.629	0.000
L22 93.9200- 93.0000	93.4595	1.248	52	2.115	A	0.000	2.115	2.115	100.00	2.181	0.000
					B	0.000	2.115		100.00	2.068	0.000
					C	0.000	2.115		100.00	2.316	0.000
L23 93.0000- 92.7500	92.8750	1.246	52	0.577	A	0.000	0.577	0.577	100.00	0.593	0.000
					B	0.000	0.577		100.00	0.749	0.000
					C	0.000	0.577		100.00	0.629	0.000
L24 92.7500- 92.0000	92.3746	1.245	52	1.739	A	0.000	1.739	1.739	100.00	1.718	0.000
					B	0.000	1.739		100.00	2.128	0.000
					C	0.000	1.739		100.00	1.828	0.000
L25 92.0000- 91.7500	91.8750	1.243	52	0.582	A	0.000	0.582	0.582	100.00	0.593	0.000
					B	0.000	0.582		100.00	0.562	0.000
					C	0.000	0.582		100.00	0.629	0.000
L26 91.7500- 84.9100	88.3009	1.233	52	16.362	A	0.000	16.362	16.362	100.00	16.217	0.000
					B	0.000	16.362		100.00	15.374	0.000
					C	0.000	16.362		100.00	17.223	0.000
L27 84.9100- 83.9100	84.4094	1.221	51	2.419	A	0.000	2.419	2.419	100.00	2.371	0.000
					B	0.000	2.419		100.00	2.248	0.000
					C	0.000	2.419		100.00	2.518	0.000

Section Elevation ft	z ft	K _z	q _z psf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L28 83.9100- 78.9100	81.3950	1.212	51	12.365	A B C	0.000 0.000 0.000	12.365 12.365 12.365	12.365	100.00 100.00 100.00	11.854 11.239 12.590	0.000 0.000 0.000
L29 78.9100- 73.9100	76.3955	1.196	50	12.815	A B C	0.000 0.000 0.000	12.815 12.815 12.815	12.815	100.00 100.00 100.00	11.854 11.239 12.590	0.000 0.000 0.000
L30 73.9100- 68.9100	71.3960	1.179	49	13.264	A B C	0.000 0.000 0.000	13.264 13.264 13.264	13.264	100.00 100.00 100.00	11.854 11.239 12.590	0.000 0.000 0.000
L31 68.9100- 67.0000	67.9530	1.167	49	5.185	A B C	0.000 0.000 0.000	5.185 5.185 5.185	5.185	100.00 100.00 100.00	4.468 4.293 4.749	0.000 0.000 0.000
L32 67.0000- 66.7500	66.8750	1.163	49	0.684	A B C	0.000 0.000 0.000	0.684 0.684 0.684	0.684	100.00 100.00 100.00	0.780 0.749 0.629	0.000 0.000 0.000
L33 66.7500- 65.5000	66.1242	1.16	49	3.435	A B C	0.000 0.000 0.000	3.435 3.435 3.435	3.435	100.00 100.00 100.00	3.901 3.747 3.147	0.000 0.000 0.000
L34 65.5000- 65.2500	65.3750	1.157	48	0.690	A B C	0.000 0.000 0.000	0.690 0.690 0.690	0.690	100.00 100.00 100.00	0.780 0.749 0.629	0.000 0.000 0.000
L35 65.2500- 64.5000	64.8747	1.155	48	2.077	A B C	0.000 0.000 0.000	2.077 2.077 2.077	2.077	100.00 100.00 100.00	2.341 2.248 1.888	0.000 0.000 0.000
L36 64.5000- 64.2500	64.3750	1.154	48	0.695	A B C	0.000 0.000 0.000	0.695 0.695 0.695	0.695	100.00 100.00 100.00	0.780 0.749 0.629	0.000 0.000 0.000
L37 64.2500- 59.5000	61.8631	1.144	48	13.413	A B C	0.000 0.000 0.000	13.413 13.413 13.413	13.413	100.00 100.00 100.00	14.854 11.644 11.990	0.000 0.000 0.000
L38 59.5000- 59.2500	59.3750	1.134	48	0.717	A B C	0.000 0.000 0.000	0.717 0.717 0.717	0.717	100.00 100.00 100.00	0.811 0.593 0.661	0.000 0.000 0.000
L39 59.2500- 58.5800	58.9148	1.132	47	1.927	A B C	0.000 0.000 0.000	1.927 1.927 1.927	1.927	100.00 100.00 100.00	2.175 1.590 1.771	0.000 0.000 0.000
L40 58.5800- 58.3300	58.4550	1.13	47	0.721	A B C	0.000 0.000 0.000	0.721 0.721 0.721	0.721	100.00 100.00 100.00	0.811 0.593 0.661	0.000 0.000 0.000
L41 58.3300- 53.3300	55.8173	1.119	47	14.657	A B C	0.000 0.000 0.000	14.657 14.657 14.657	14.657	100.00 100.00 100.00	16.229 11.864 13.215	0.000 0.000 0.000
L42 53.3300- 44.4100	48.8312	1.088	46	27.265	A B C	0.000 0.000 0.000	27.265 27.265 27.265	27.265	100.00 100.00 100.00	28.953 21.165 23.924	0.000 0.000 0.000
L43 44.4100- 43.4100	43.9095	1.064	45	3.092	A B C	0.000 0.000 0.000	3.092 3.092 3.092	3.092	100.00 100.00 100.00	3.246 2.373 2.705	0.000 0.000 0.000
L44 43.4100- 38.4100	40.8981	1.048	44	15.731	A B C	0.000 0.000 0.000	15.731 15.731 15.731	15.731	100.00 100.00 100.00	16.229 11.864 13.527	0.000 0.000 0.000
L45 38.4100- 34.5000	36.4479	1.023	43	12.615	A B C	0.000 0.000 0.000	12.615 12.615 12.615	12.615	100.00 100.00 100.00	15.316 11.902 10.578	0.000 0.000 0.000
L46 34.5000- 34.2500	34.3750	1.011	42	0.815	A B C	0.000 0.000 0.000	0.815 0.815 0.815	0.815	100.00 100.00 100.00	1.186 0.968 0.676	0.000 0.000 0.000
L47 34.2500- 33.5000	33.8747	1.008	42	2.453	A B C	0.000 0.000 0.000	2.453 2.453 2.453	2.453	100.00 100.00 100.00	3.559 2.905 2.029	0.000 0.000 0.000
L48 33.5000- 33.2500	33.3750	1.005	42	0.821	A B C	0.000 0.000 0.000	0.821 0.821 0.821	0.821	100.00 100.00 100.00	1.186 0.968 0.676	0.000 0.000 0.000
L49 33.2500- 30.5000	31.8716	0.995	42	9.101	A B C	0.000 0.000 0.000	9.101 9.101 9.101	9.101	100.00 100.00 100.00	10.741 9.634 6.424	0.000 0.000 0.000
L50 30.5000- 30.2500	30.3750	0.985	41	0.834	A B	0.000 0.000	0.834 0.834	0.834	100.00 100.00	0.811 0.950	0.000 0.000

Section Elevation	z	K _z	q _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	ft ²		ft ²	ft ²	ft ²			
L51 30.2500- 29.7500	29.9999	0.982	41	1.672	C	0.000	0.834		100.00	0.658	0.000
					A	0.000	1.672	1.672	100.00	1.623	0.000
					B	0.000	1.672		100.00	1.900	0.000
					C	0.000	1.672		100.00	1.316	0.000
L52 29.7500- 29.5000	29.6250	0.98	41	0.837	A	0.000	0.837	0.837	100.00	0.811	0.000
					B	0.000	0.837		100.00	0.950	0.000
					C	0.000	0.837		100.00	0.658	0.000
L53 29.5000- 29.0000	29.2499	0.977	41	1.678	A	0.000	1.678	1.678	100.00	1.623	0.000
					B	0.000	1.678		100.00	1.900	0.000
					C	0.000	1.678		100.00	1.316	0.000
L54 29.0000- 28.7500	28.8750	0.974	41	0.841	A	0.000	0.841	0.841	100.00	0.811	0.000
					B	0.000	0.841		100.00	0.950	0.000
					C	0.000	0.841		100.00	0.658	0.000
L55 28.7500- 27.5800	28.1644	0.969	41	3.949	A	0.000	3.949	3.949	100.00	3.798	0.000
					B	0.000	3.949		100.00	4.445	0.000
					C	0.000	3.949		100.00	3.080	0.000
L56 27.5800- 27.3300	27.4550	0.964	40	0.847	A	0.000	0.847	0.847	100.00	0.811	0.000
					B	0.000	0.847		100.00	0.950	0.000
					C	0.000	0.847		100.00	0.658	0.000
L57 27.3300- 22.3300	24.8191	0.944	40	17.175	A	0.000	17.175	17.175	100.00	16.229	0.000
					B	0.000	17.175		100.00	18.997	0.000
					C	0.000	17.175		100.00	13.161	0.000
L58 22.3300- 17.3300	19.8194	0.9	38	17.626	A	0.000	17.626	17.626	100.00	16.229	0.000
					B	0.000	17.626		100.00	18.997	0.000
					C	0.000	17.626		100.00	13.161	0.000
L59 17.3300- 12.3300	14.8197	0.85	36	18.076	A	0.000	18.076	18.076	100.00	16.229	0.000
					B	0.000	18.076		100.00	18.997	0.000
					C	0.000	18.076		100.00	13.161	0.000
L60 12.3300- 7.3300	9.8199	0.85	36	18.526	A	0.000	18.526	18.526	100.00	16.229	0.000
					B	0.000	18.526		100.00	18.997	0.000
					C	0.000	18.526		100.00	16.041	0.000
L61 7.3300- 6.7500	7.0399	0.85	36	2.178	A	0.000	2.178	2.178	100.00	1.883	0.000
					B	0.000	2.178		100.00	2.204	0.000
					C	0.000	2.178		100.00	2.434	0.000
L62 6.7500- 6.5000	6.6250	0.85	36	0.941	A	0.000	0.941	0.941	100.00	0.811	0.000
					B	0.000	0.941		100.00	0.950	0.000
					C	0.000	0.941		100.00	1.049	0.000
L63 6.5000- 3.0000	4.7452	0.85	36	13.290	A	0.000	13.290	13.290	100.00	11.360	0.000
					B	0.000	13.290		100.00	11.437	0.000
					C	0.000	13.290		100.00	11.722	0.000
L64 3.0000- 2.7500	2.8750	0.85	36	0.958	A	0.000	0.958	0.958	100.00	0.811	0.000
					B	0.000	0.958		100.00	0.781	0.000
					C	0.000	0.958		100.00	0.672	0.000
L65 2.7500- 2.5000	2.6250	0.85	36	0.959	A	0.000	0.959	0.959	100.00	0.811	0.000
					B	0.000	0.959		100.00	0.781	0.000
					C	0.000	0.959		100.00	0.672	0.000
L66 2.5000- 2.2500	2.3750	0.85	36	0.960	A	0.000	0.960	0.960	100.00	0.811	0.000
					B	0.000	0.960		100.00	0.781	0.000
					C	0.000	0.960		100.00	0.672	0.000
L67 2.2500- 0.0000	1.1230	0.85	36	8.690	A	0.000	8.690	8.690	100.00	5.053	0.000
					B	0.000	8.690		100.00	4.776	0.000
					C	0.000	8.690		100.00	5.672	0.000

Tower Pressure - With Ice

$$G_H = 1.100$$

Section Elevation	z	K _z	q _z	t _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	in	ft ²		ft ²	ft ²	ft ²			
L1 147.0000- 142.0000	144.4733	1.368	8	1.4779	8.322	A	0.000	8.322	8.322	100.00	0.000	0.000
						B	0.000	8.322		100.00	0.000	0.000
						C	0.000	8.322		100.00	0.000	0.000
L2 142.0000-	139.4749	1.357	8	1.4727	8.773	A	0.000	8.773	8.773	100.00	0.000	0.000

Section Elevation	z	K _z	q _z	t _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	in	ft ²		ft ²	ft ²	ft ²			
137.0000						B	0.000	8.773		100.00	0.000	0.000
L3 137.0000- 132.0000	134.4763	1.347	8	1.4673	9.224	C	0.000	8.773		100.00	0.000	0.000
						A	0.000	9.224	9.224	100.00	0.000	0.000
						B	0.000	9.224		100.00	0.000	0.000
						C	0.000	9.224		100.00	0.000	0.000
L4 132.0000- 127.0000	129.4776	1.336	8	1.4618	9.675	A	0.000	9.675	9.675	100.00	0.910	0.000
						B	0.000	9.675		100.00	0.000	0.000
						C	0.000	9.675		100.00	0.000	0.000
L5 127.0000- 120.3700	123.6479	1.323	8	1.4550	13.523	A	0.000	13.523	13.523	100.00	3.007	0.000
						B	0.000	13.523		100.00	0.000	0.000
						C	0.000	13.523		100.00	0.000	0.000
L6 120.3700- 118.6200	119.4925	1.314	8	1.4501	3.644	A	0.000	3.644	3.644	100.00	0.794	0.000
						B	0.000	3.644		100.00	0.000	0.000
						C	0.000	3.644		100.00	0.000	0.000
L7 118.6200- 113.6200	116.1004	1.306	8	1.4459	10.706	A	0.000	10.706	10.706	100.00	2.820	0.000
						B	0.000	10.706		100.00	1.343	0.000
						C	0.000	10.706		100.00	2.343	0.000
L8 113.6200- 113.0800	113.3498	1.299	7	1.4425	1.183	A	0.000	1.183	1.183	100.00	0.804	0.000
						B	0.000	1.183		100.00	0.738	0.000
						C	0.000	1.183		100.00	0.964	0.000
L9 113.0800- 112.8300	112.9550	1.298	7	1.4419	0.549	A	0.000	0.549	0.549	100.00	0.372	0.000
						B	0.000	0.549		100.00	0.342	0.000
						C	0.000	0.549		100.00	0.446	0.000
L10 112.8300- 112.1600	112.4947	1.297	7	1.4414	1.478	A	0.000	1.478	1.478	100.00	0.998	0.000
						B	0.000	1.478		100.00	0.915	0.000
						C	0.000	1.478		100.00	1.196	0.000
L11 112.1600- 111.9100	112.0350	1.296	7	1.4408	0.553	A	0.000	0.553	0.553	100.00	0.454	0.000
						B	0.000	0.553		100.00	0.424	0.000
						C	0.000	0.553		100.00	0.529	0.000
L12 111.9100- 110.5000	111.2035	1.294	7	1.4397	3.137	A	0.000	3.137	3.137	100.00	3.386	0.000
						B	0.000	3.137		100.00	3.212	0.000
						C	0.000	3.137		100.00	3.804	0.000
L13 110.5000- 110.2500	110.3750	1.292	7	1.4386	0.559	A	0.000	0.559	0.559	100.00	0.600	0.000
						B	0.000	0.559		100.00	0.569	0.000
						C	0.000	0.559		100.00	0.674	0.000
L14 110.2500- 105.2500	107.7318	1.286	7	1.4351	11.418	A	0.000	11.418	11.418	100.00	13.344	0.000
						B	0.000	11.418		100.00	12.728	0.000
						C	0.000	11.418		100.00	14.825	0.000
L15 105.2500- 105.0000	105.1250	1.279	7	1.4316	0.582	A	0.000	0.582	0.582	100.00	0.869	0.000
						B	0.000	0.582		100.00	0.838	0.000
						C	0.000	0.582		100.00	0.943	0.000
L16 105.0000- 104.7500	104.8750	1.278	7	1.4313	0.583	A	0.000	0.583	0.583	100.00	0.869	0.000
						B	0.000	0.583		100.00	0.838	0.000
						C	0.000	0.583		100.00	0.943	0.000
L17 104.7500- 103.5000	104.1239	1.276	7	1.4303	2.930	A	0.000	2.930	2.930	100.00	4.343	0.000
						B	0.000	2.930		100.00	4.189	0.000
						C	0.000	2.930		100.00	4.713	0.000
L18 103.5000- 103.2500	103.3750	1.274	7	1.4292	0.590	A	0.000	0.590	0.590	100.00	0.868	0.000
						B	0.000	0.590		100.00	0.838	0.000
						C	0.000	0.590		100.00	0.942	0.000
L19 103.2500- 98.2500	100.7329	1.268	7	1.4255	12.036	A	0.000	12.036	12.036	100.00	13.937	0.000
						B	0.000	12.036		100.00	13.321	0.000
						C	0.000	12.036		100.00	15.416	0.000
L20 98.2500- 94.1700	96.1990	1.255	7	1.4190	10.151	A	0.000	10.151	10.151	100.00	12.137	0.000
						B	0.000	10.151		100.00	11.635	0.000
						C	0.000	10.151		100.00	13.343	0.000
L21 94.1700- 93.9200	94.0450	1.249	7	1.4158	0.631	A	0.000	0.631	0.631	100.00	0.876	0.000
						B	0.000	0.631		100.00	0.845	0.000
						C	0.000	0.631		100.00	0.950	0.000
L22 93.9200- 93.0000	93.4595	1.248	7	1.4149	2.332	A	0.000	2.332	2.332	100.00	3.223	0.000
						B	0.000	2.332		100.00	3.109	0.000
						C	0.000	2.332		100.00	3.494	0.000
L23 93.0000- 92.7500	92.8750	1.246	7	1.4140	0.636	A	0.000	0.636	0.636	100.00	0.876	0.000
						B	0.000	0.636		100.00	1.103	0.000
						C	0.000	0.636		100.00	0.949	0.000
L24 92.7500- 92.0000	92.3746	1.245	7	1.4132	1.916	A	0.000	1.916	1.916	100.00	2.543	0.000
						B	0.000	1.916		100.00	3.143	0.000
						C	0.000	1.916		100.00	2.765	0.000

Section Elevation	z	K _z	q _z	t _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	in	ft ²		ft ²	ft ²	ft ²			
L25 92.0000- 91.7500	91.8750	1.243	7	1.4125	0.641	A	0.000	0.641	0.641	100.00	0.875	0.000
						B	0.000	0.641		100.00	0.844	0.000
						C	0.000	0.641		100.00	0.949	0.000
L26 91.7500- 84.9100	88.3009	1.233	7	1.4069	17.966	A	0.000	17.966	17.966	100.00	23.915	0.000
						B	0.000	17.966		100.00	23.073	0.000
						C	0.000	17.966		100.00	25.932	0.000
L27 84.9100- 83.9100	84.4094	1.221	7	1.4005	2.653	A	0.000	2.653	2.653	100.00	3.496	0.000
						B	0.000	2.653		100.00	3.373	0.000
						C	0.000	2.653		100.00	3.791	0.000
L28 83.9100- 78.9100	81.3950	1.212	7	1.3955	13.528	A	0.000	13.528	13.528	100.00	17.436	0.000
						B	0.000	13.528		100.00	16.820	0.000
						C	0.000	13.528		100.00	18.907	0.000
L29 78.9100- 73.9100	76.3955	1.196	7	1.3866	13.971	A	0.000	13.971	13.971	100.00	17.401	0.000
						B	0.000	13.971		100.00	16.785	0.000
						C	0.000	13.971		100.00	18.870	0.000
L30 73.9100- 68.9100	71.3960	1.179	7	1.3773	14.412	A	0.000	14.412	14.412	100.00	17.363	0.000
						B	0.000	14.412		100.00	16.748	0.000
						C	0.000	14.412		100.00	18.830	0.000
L31 68.9100- 67.0000	67.9530	1.167	7	1.3705	5.622	A	0.000	5.622	5.622	100.00	6.540	0.000
						B	0.000	5.622		100.00	6.387	0.000
						C	0.000	5.622		100.00	7.100	0.000
L32 67.0000- 66.7500	66.8750	1.163	7	1.3683	0.741	A	0.000	0.741	0.741	100.00	1.122	0.000
						B	0.000	0.741		100.00	1.092	0.000
						C	0.000	0.741		100.00	0.940	0.000
L33 66.7500- 65.5000	66.1242	1.16	7	1.3668	3.720	A	0.000	3.720	3.720	100.00	5.610	0.000
						B	0.000	3.720		100.00	5.456	0.000
						C	0.000	3.720		100.00	4.696	0.000
L34 65.5000- 65.2500	65.3750	1.157	7	1.3652	0.747	A	0.000	0.747	0.747	100.00	1.122	0.000
						B	0.000	0.747		100.00	1.091	0.000
						C	0.000	0.747		100.00	0.939	0.000
L35 65.2500- 64.5000	64.8747	1.155	7	1.3642	2.247	A	0.000	2.247	2.247	100.00	3.364	0.000
						B	0.000	2.247		100.00	3.271	0.000
						C	0.000	2.247		100.00	2.816	0.000
L36 64.5000- 64.2500	64.3750	1.154	7	1.3631	0.751	A	0.000	0.751	0.751	100.00	1.121	0.000
						B	0.000	0.751		100.00	1.090	0.000
						C	0.000	0.751		100.00	0.938	0.000
L37 64.2500- 59.5000	61.8631	1.144	7	1.3577	14.488	A	0.000	14.488	14.488	100.00	21.279	0.000
						B	0.000	14.488		100.00	17.118	0.000
						C	0.000	14.488		100.00	17.815	0.000
L38 59.5000- 59.2500	59.3750	1.134	7	1.3521	0.773	A	0.000	0.773	0.773	100.00	1.149	0.000
						B	0.000	0.773		100.00	0.864	0.000
						C	0.000	0.773		100.00	0.967	0.000
L39 59.2500- 58.5800	58.9148	1.132	7	1.3511	2.078	A	0.000	2.078	2.078	100.00	3.080	0.000
						B	0.000	2.078		100.00	2.314	0.000
						C	0.000	2.078		100.00	2.592	0.000
L40 58.5800- 58.3300	58.4550	1.13	6	1.3500	0.777	A	0.000	0.777	0.777	100.00	1.149	0.000
						B	0.000	0.777		100.00	0.863	0.000
						C	0.000	0.777		100.00	0.967	0.000
L41 58.3300- 53.3300	55.8173	1.119	6	1.3438	15.777	A	0.000	15.777	15.777	100.00	22.948	0.000
						B	0.000	15.777		100.00	17.239	0.000
						C	0.000	15.777		100.00	19.313	0.000
L42 53.3300- 44.4100	48.8312	1.088	6	1.3260	29.236	A	0.000	29.236	29.236	100.00	40.780	0.000
						B	0.000	29.236		100.00	30.627	0.000
						C	0.000	29.236		100.00	36.151	0.000
L43 44.4100- 43.4100	43.9095	1.064	6	1.3119	3.313	A	0.000	3.313	3.313	100.00	4.572	0.000
						B	0.000	3.313		100.00	3.433	0.000
						C	0.000	3.313		100.00	4.175	0.000
L44 43.4100- 38.4100	40.8981	1.048	6	1.3027	16.817	A	0.000	16.817	16.817	100.00	22.742	0.000
						B	0.000	16.817		100.00	17.074	0.000
						C	0.000	16.817		100.00	20.753	0.000
L45 38.4100- 34.5000	36.4479	1.023	6	1.2877	13.454	A	0.000	13.454	13.454	100.00	21.253	0.000
						B	0.000	13.454		100.00	16.832	0.000
						C	0.000	13.454		100.00	16.168	0.000
L46 34.5000- 34.2500	34.3750	1.011	6	1.2802	0.869	A	0.000	0.869	0.869	100.00	1.635	0.000
						B	0.000	0.869		100.00	1.352	0.000
						C	0.000	0.869		100.00	1.032	0.000
L47 34.2500- 33.5000	33.8747	1.008	6	1.2783	2.613	A	0.000	2.613	2.613	100.00	4.902	0.000
						B	0.000	2.613		100.00	4.055	0.000

Section Elevation	z	K _z	q _z	t _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	in	ft ²		ft ²	ft ²	ft ²			
L48 33.5000- 33.2500	33.3750	1.005	6	1.2764	0.874	C	0.000	2.613		100.00	3.094	0.000
						A	0.000	0.874	0.874	100.00	1.633	0.000
						B	0.000	0.874		100.00	1.351	0.000
						C	0.000	0.874		100.00	1.031	0.000
L49 33.2500- 30.5000	31.8716	0.995	6	1.2706	9.683	A	0.000	9.683	9.683	100.00	14.850	0.000
						B	0.000	9.683		100.00	13.489	0.000
						C	0.000	9.683		100.00	9.968	0.000
L50 30.5000- 30.2500	30.3750	0.985	6	1.2645	0.887	A	0.000	0.887	0.887	100.00	1.128	0.000
						B	0.000	0.887		100.00	1.329	0.000
						C	0.000	0.887		100.00	1.009	0.000
L51 30.2500- 29.7500	29.9999	0.982	6	1.2629	1.777	A	0.000	1.777	1.777	100.00	2.254	0.000
						B	0.000	1.777		100.00	2.657	0.000
						C	0.000	1.777		100.00	2.018	0.000
L52 29.7500- 29.5000	29.6250	0.98	6	1.2613	0.890	A	0.000	0.890	0.890	100.00	1.127	0.000
						B	0.000	0.890		100.00	1.328	0.000
						C	0.000	0.890		100.00	1.008	0.000
L53 29.5000- 29.0000	29.2499	0.977	6	1.2597	1.783	A	0.000	1.783	1.783	100.00	2.253	0.000
						B	0.000	1.783		100.00	2.656	0.000
						C	0.000	1.783		100.00	2.016	0.000
L54 29.0000- 28.7500	28.8750	0.974	6	1.2581	0.893	A	0.000	0.893	0.893	100.00	1.126	0.000
						B	0.000	0.893		100.00	1.327	0.000
						C	0.000	0.893		100.00	1.008	0.000
L55 28.7500- 27.5800	28.1644	0.969	6	1.2550	4.194	A	0.000	4.194	4.194	100.00	5.266	0.000
						B	0.000	4.194		100.00	6.207	0.000
						C	0.000	4.194		100.00	4.712	0.000
L56 27.5800- 27.3300	27.4550	0.964	6	1.2518	0.899	A	0.000	0.899	0.899	100.00	1.124	0.000
						B	0.000	0.899		100.00	1.325	0.000
						C	0.000	0.899		100.00	1.006	0.000
L57 27.3300- 22.3300	24.8191	0.944	5	1.2392	18.208	A	0.000	18.208	18.208	100.00	22.425	0.000
						B	0.000	18.208		100.00	26.432	0.000
						C	0.000	18.208		100.00	20.053	0.000
L58 22.3300- 17.3300	19.8194	0.9	5	1.2116	18.635	A	0.000	18.635	18.635	100.00	22.287	0.000
						B	0.000	18.635		100.00	26.267	0.000
						C	0.000	18.635		100.00	19.909	0.000
L59 17.3300- 12.3300	14.8197	0.85	5	1.1769	19.057	A	0.000	19.057	19.057	100.00	22.114	0.000
						B	0.000	19.057		100.00	26.058	0.000
						C	0.000	19.057		100.00	19.726	0.000
L60 12.3300- 7.3300	9.8199	0.85	5	1.1295	19.467	A	0.000	19.467	19.467	100.00	21.876	0.000
						B	0.000	19.467		100.00	25.774	0.000
						C	0.000	19.467		100.00	22.802	0.000
L61 7.3300- 6.7500	7.0399	0.85	5	1.0925	2.284	A	0.000	2.284	2.284	100.00	2.516	0.000
						B	0.000	2.284		100.00	2.964	0.000
						C	0.000	2.284		100.00	3.280	0.000
L62 6.7500- 6.5000	6.6250	0.85	5	1.0859	0.986	A	0.000	0.986	0.986	100.00	1.083	0.000
						B	0.000	0.986		100.00	1.276	0.000
						C	0.000	0.986		100.00	1.412	0.000
L63 6.5000- 3.0000	4.7452	0.85	5	1.0502	13.903	A	0.000	13.903	13.903	100.00	15.036	0.000
						B	0.000	13.903		100.00	15.270	0.000
						C	0.000	13.903		100.00	15.783	0.000
L64 3.0000- 2.7500	2.8750	0.85	5	0.9989	1.000	A	0.000	1.000	1.000	100.00	1.061	0.000
						B	0.000	1.000		100.00	1.030	0.000
						C	0.000	1.000		100.00	0.907	0.000
L65 2.7500- 2.5000	2.6250	0.85	5	0.9899	1.000	A	0.000	1.000	1.000	100.00	1.059	0.000
						B	0.000	1.000		100.00	1.028	0.000
						C	0.000	1.000		100.00	0.905	0.000
L66 2.5000- 2.2500	2.3750	0.85	5	0.9800	1.001	A	0.000	1.001	1.001	100.00	1.056	0.000
						B	0.000	1.001		100.00	1.026	0.000
						C	0.000	1.001		100.00	0.903	0.000
L67 2.2500- 0.0000	1.1230	0.85	5	0.9093	9.031	A	0.000	9.031	9.031	100.00	6.553	0.000
						B	0.000	9.031		100.00	6.276	0.000
						C	0.000	9.031		100.00	7.525	0.000

Tower Pressure - Service

$$G_H = 1.100$$

Section Elevation	z	K _z	q _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	ft ²		ft ²	ft ²	ft ²			
L1 147.0000- 142.0000	144.4733	1.368	11	7.091	A	0.000	7.091	7.091	100.00	0.000	0.000
					B	0.000	7.091		100.00	0.000	0.000
					C	0.000	7.091		100.00	0.000	0.000
L2 142.0000- 137.0000	139.4749	1.357	11	7.546	A	0.000	7.546	7.546	100.00	0.000	0.000
					B	0.000	7.546		100.00	0.000	0.000
					C	0.000	7.546		100.00	0.000	0.000
L3 137.0000- 132.0000	134.4763	1.347	11	8.001	A	0.000	8.001	8.001	100.00	0.000	0.000
					B	0.000	8.001		100.00	0.000	0.000
					C	0.000	8.001		100.00	0.000	0.000
L4 132.0000- 127.0000	129.4776	1.336	10	8.456	A	0.000	8.456	8.456	100.00	0.325	0.000
					B	0.000	8.456		100.00	0.000	0.000
					C	0.000	8.456		100.00	0.000	0.000
L5 127.0000- 120.3700	123.6479	1.323	10	11.915	A	0.000	11.915	11.915	100.00	1.077	0.000
					B	0.000	11.915		100.00	0.000	0.000
					C	0.000	11.915		100.00	0.000	0.000
L6 120.3700- 118.6200	119.4925	1.314	10	3.220	A	0.000	3.220	3.220	100.00	0.284	0.000
					B	0.000	3.220		100.00	0.000	0.000
					C	0.000	3.220		100.00	0.000	0.000
L7 118.6200- 113.6200	116.1004	1.306	10	9.502	A	0.000	9.502	9.502	100.00	1.218	0.000
					B	0.000	9.502		100.00	0.499	0.000
					C	0.000	9.502		100.00	1.142	0.000
L8 113.6200- 113.0800	113.3498	1.299	10	1.053	A	0.000	1.053	1.053	100.00	0.493	0.000
					B	0.000	1.053		100.00	0.426	0.000
					C	0.000	1.053		100.00	0.572	0.000
L9 113.0800- 112.8300	112.9550	1.298	10	0.489	A	0.000	0.489	0.489	100.00	0.228	0.000
					B	0.000	0.489		100.00	0.197	0.000
					C	0.000	0.489		100.00	0.265	0.000
L10 112.8300- 112.1600	112.4947	1.297	10	1.317	A	0.000	1.317	1.317	100.00	0.611	0.000
					B	0.000	1.317		100.00	0.529	0.000
					C	0.000	1.317		100.00	0.710	0.000
L11 112.1600- 111.9100	112.0350	1.296	10	0.493	A	0.000	0.493	0.493	100.00	0.296	0.000
					B	0.000	0.493		100.00	0.265	0.000
					C	0.000	0.493		100.00	0.332	0.000
L12 111.9100- 110.5000	111.2035	1.294	10	2.799	A	0.000	2.799	2.799	100.00	2.344	0.000
					B	0.000	2.799		100.00	2.171	0.000
					C	0.000	2.799		100.00	2.552	0.000
L13 110.5000- 110.2500	110.3750	1.292	10	0.499	A	0.000	0.499	0.499	100.00	0.416	0.000
					B	0.000	0.499		100.00	0.385	0.000
					C	0.000	0.499		100.00	0.452	0.000
L14 110.2500- 105.2500	107.7318	1.286	10	10.222	A	0.000	10.222	10.222	100.00	9.302	0.000
					B	0.000	10.222		100.00	8.686	0.000
					C	0.000	10.222		100.00	10.038	0.000
L15 105.2500- 105.0000	105.1250	1.279	10	0.523	A	0.000	0.523	0.523	100.00	0.614	0.000
					B	0.000	0.523		100.00	0.583	0.000
					C	0.000	0.523		100.00	0.650	0.000
L16 105.0000- 104.7500	104.8750	1.278	10	0.523	A	0.000	0.523	0.523	100.00	0.614	0.000
					B	0.000	0.523		100.00	0.583	0.000
					C	0.000	0.523		100.00	0.650	0.000
L17 104.7500- 103.5000	104.1239	1.276	10	2.632	A	0.000	2.632	2.632	100.00	3.068	0.000
					B	0.000	2.632		100.00	2.914	0.000
					C	0.000	2.632		100.00	3.252	0.000
L18 103.5000- 103.2500	103.3750	1.274	10	0.531	A	0.000	0.531	0.531	100.00	0.614	0.000
					B	0.000	0.531		100.00	0.583	0.000
					C	0.000	0.531		100.00	0.650	0.000
L19 103.2500- 98.2500	100.7329	1.268	10	10.848	A	0.000	10.848	10.848	100.00	9.458	0.000
					B	0.000	10.848		100.00	8.843	0.000
					C	0.000	10.848		100.00	10.194	0.000
L20 98.2500- 94.1700	96.1990	1.255	10	9.186	A	0.000	9.186	9.186	100.00	8.153	0.000
					B	0.000	9.186		100.00	7.651	0.000
					C	0.000	9.186		100.00	8.753	0.000
L21 94.1700- 93.9200	94.0450	1.249	10	0.572	A	0.000	0.572	0.572	100.00	0.593	0.000
					B	0.000	0.572		100.00	0.562	0.000
					C	0.000	0.572		100.00	0.629	0.000
L22 93.9200- 93.0000	93.4595	1.248	10	2.115	A	0.000	2.115	2.115	100.00	2.181	0.000
					B	0.000	2.115		100.00	2.068	0.000
					C	0.000	2.115		100.00	2.316	0.000

Section Elevation ft	z ft	K _z	q _z psf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L23 93.0000- 92.7500	92.8750	1.246	10	0.577	A	0.000	0.577	0.577	100.00	0.593	0.000
					B	0.000	0.577		100.00	0.749	0.000
					C	0.000	0.577		100.00	0.629	0.000
L24 92.7500- 92.0000	92.3746	1.245	10	1.739	A	0.000	1.739	1.739	100.00	1.718	0.000
					B	0.000	1.739		100.00	2.128	0.000
					C	0.000	1.739		100.00	1.828	0.000
L25 92.0000- 91.7500	91.8750	1.243	10	0.582	A	0.000	0.582	0.582	100.00	0.593	0.000
					B	0.000	0.582		100.00	0.562	0.000
					C	0.000	0.582		100.00	0.629	0.000
L26 91.7500- 84.9100	88.3009	1.233	10	16.362	A	0.000	16.362	16.362	100.00	16.217	0.000
					B	0.000	16.362		100.00	15.374	0.000
					C	0.000	16.362		100.00	17.223	0.000
L27 84.9100- 83.9100	84.4094	1.221	10	2.419	A	0.000	2.419	2.419	100.00	2.371	0.000
					B	0.000	2.419		100.00	2.248	0.000
					C	0.000	2.419		100.00	2.518	0.000
L28 83.9100- 78.9100	81.3950	1.212	9	12.365	A	0.000	12.365	12.365	100.00	11.854	0.000
					B	0.000	12.365		100.00	11.239	0.000
					C	0.000	12.365		100.00	12.590	0.000
L29 78.9100- 73.9100	76.3955	1.196	9	12.815	A	0.000	12.815	12.815	100.00	11.854	0.000
					B	0.000	12.815		100.00	11.239	0.000
					C	0.000	12.815		100.00	12.590	0.000
L30 73.9100- 68.9100	71.3960	1.179	9	13.264	A	0.000	13.264	13.264	100.00	11.854	0.000
					B	0.000	13.264		100.00	11.239	0.000
					C	0.000	13.264		100.00	12.590	0.000
L31 68.9100- 67.0000	67.9530	1.167	9	5.185	A	0.000	5.185	5.185	100.00	4.468	0.000
					B	0.000	5.185		100.00	4.293	0.000
					C	0.000	5.185		100.00	4.749	0.000
L32 67.0000- 66.7500	66.8750	1.163	9	0.684	A	0.000	0.684	0.684	100.00	0.780	0.000
					B	0.000	0.684		100.00	0.749	0.000
					C	0.000	0.684		100.00	0.629	0.000
L33 66.7500- 65.5000	66.1242	1.16	9	3.435	A	0.000	3.435	3.435	100.00	3.901	0.000
					B	0.000	3.435		100.00	3.747	0.000
					C	0.000	3.435		100.00	3.147	0.000
L34 65.5000- 65.2500	65.3750	1.157	9	0.690	A	0.000	0.690	0.690	100.00	0.780	0.000
					B	0.000	0.690		100.00	0.749	0.000
					C	0.000	0.690		100.00	0.629	0.000
L35 65.2500- 64.5000	64.8747	1.155	9	2.077	A	0.000	2.077	2.077	100.00	2.341	0.000
					B	0.000	2.077		100.00	2.248	0.000
					C	0.000	2.077		100.00	1.888	0.000
L36 64.5000- 64.2500	64.3750	1.154	9	0.695	A	0.000	0.695	0.695	100.00	0.780	0.000
					B	0.000	0.695		100.00	0.749	0.000
					C	0.000	0.695		100.00	0.629	0.000
L37 64.2500- 59.5000	61.8631	1.144	9	13.413	A	0.000	13.413	13.413	100.00	14.854	0.000
					B	0.000	13.413		100.00	11.644	0.000
					C	0.000	13.413		100.00	11.990	0.000
L38 59.5000- 59.2500	59.3750	1.134	9	0.717	A	0.000	0.717	0.717	100.00	0.811	0.000
					B	0.000	0.717		100.00	0.593	0.000
					C	0.000	0.717		100.00	0.661	0.000
L39 59.2500- 58.5800	58.9148	1.132	9	1.927	A	0.000	1.927	1.927	100.00	2.175	0.000
					B	0.000	1.927		100.00	1.590	0.000
					C	0.000	1.927		100.00	1.771	0.000
L40 58.5800- 58.3300	58.4550	1.13	9	0.721	A	0.000	0.721	0.721	100.00	0.811	0.000
					B	0.000	0.721		100.00	0.593	0.000
					C	0.000	0.721		100.00	0.661	0.000
L41 58.3300- 53.3300	55.8173	1.119	9	14.657	A	0.000	14.657	14.657	100.00	16.229	0.000
					B	0.000	14.657		100.00	11.864	0.000
					C	0.000	14.657		100.00	13.215	0.000
L42 53.3300- 44.4100	48.8312	1.088	8	27.265	A	0.000	27.265	27.265	100.00	28.953	0.000
					B	0.000	27.265		100.00	21.165	0.000
					C	0.000	27.265		100.00	23.924	0.000
L43 44.4100- 43.4100	43.9095	1.064	8	3.092	A	0.000	3.092	3.092	100.00	3.246	0.000
					B	0.000	3.092		100.00	2.373	0.000
					C	0.000	3.092		100.00	2.705	0.000
L44 43.4100- 38.4100	40.8981	1.048	8	15.731	A	0.000	15.731	15.731	100.00	16.229	0.000
					B	0.000	15.731		100.00	11.864	0.000
					C	0.000	15.731		100.00	13.527	0.000
L45 38.4100- 34.5000	36.4479	1.023	8	12.615	A	0.000	12.615	12.615	100.00	15.316	0.000
					B	0.000	12.615		100.00	11.902	0.000

Section Elevation ft	z ft	K _z	q _z psf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L46 34.5000- 34.2500	34.3750	1.011	8	0.815	C	0.000	12.615		100.00	10.578	0.000
					A	0.000	0.815	0.815	100.00	1.186	0.000
					B	0.000	0.815		100.00	0.968	0.000
					C	0.000	0.815		100.00	0.676	0.000
L47 34.2500- 33.5000	33.8747	1.008	8	2.453	A	0.000	2.453	2.453	100.00	3.559	0.000
					B	0.000	2.453		100.00	2.905	0.000
					C	0.000	2.453		100.00	2.029	0.000
L48 33.5000- 33.2500	33.3750	1.005	8	0.821	A	0.000	0.821	0.821	100.00	1.186	0.000
					B	0.000	0.821		100.00	0.968	0.000
					C	0.000	0.821		100.00	0.676	0.000
L49 33.2500- 30.5000	31.8716	0.995	8	9.101	A	0.000	9.101	9.101	100.00	10.741	0.000
					B	0.000	9.101		100.00	9.634	0.000
					C	0.000	9.101		100.00	6.424	0.000
L50 30.5000- 30.2500	30.3750	0.985	8	0.834	A	0.000	0.834	0.834	100.00	0.811	0.000
					B	0.000	0.834		100.00	0.950	0.000
					C	0.000	0.834		100.00	0.658	0.000
L51 30.2500- 29.7500	29.9999	0.982	8	1.672	A	0.000	1.672	1.672	100.00	1.623	0.000
					B	0.000	1.672		100.00	1.900	0.000
					C	0.000	1.672		100.00	1.316	0.000
L52 29.7500- 29.5000	29.6250	0.98	8	0.837	A	0.000	0.837	0.837	100.00	0.811	0.000
					B	0.000	0.837		100.00	0.950	0.000
					C	0.000	0.837		100.00	0.658	0.000
L53 29.5000- 29.0000	29.2499	0.977	8	1.678	A	0.000	1.678	1.678	100.00	1.623	0.000
					B	0.000	1.678		100.00	1.900	0.000
					C	0.000	1.678		100.00	1.316	0.000
L54 29.0000- 28.7500	28.8750	0.974	8	0.841	A	0.000	0.841	0.841	100.00	0.811	0.000
					B	0.000	0.841		100.00	0.950	0.000
					C	0.000	0.841		100.00	0.658	0.000
L55 28.7500- 27.5800	28.1644	0.969	8	3.949	A	0.000	3.949	3.949	100.00	3.798	0.000
					B	0.000	3.949		100.00	4.445	0.000
					C	0.000	3.949		100.00	3.080	0.000
L56 27.5800- 27.3300	27.4550	0.964	8	0.847	A	0.000	0.847	0.847	100.00	0.811	0.000
					B	0.000	0.847		100.00	0.950	0.000
					C	0.000	0.847		100.00	0.658	0.000
L57 27.3300- 22.3300	24.8191	0.944	7	17.175	A	0.000	17.175	17.175	100.00	16.229	0.000
					B	0.000	17.175		100.00	18.997	0.000
					C	0.000	17.175		100.00	13.161	0.000
L58 22.3300- 17.3300	19.8194	0.9	7	17.626	A	0.000	17.626	17.626	100.00	16.229	0.000
					B	0.000	17.626		100.00	18.997	0.000
					C	0.000	17.626		100.00	13.161	0.000
L59 17.3300- 12.3300	14.8197	0.85	7	18.076	A	0.000	18.076	18.076	100.00	16.229	0.000
					B	0.000	18.076		100.00	18.997	0.000
					C	0.000	18.076		100.00	13.161	0.000
L60 12.3300- 7.3300	9.8199	0.85	7	18.526	A	0.000	18.526	18.526	100.00	16.229	0.000
					B	0.000	18.526		100.00	18.997	0.000
					C	0.000	18.526		100.00	16.041	0.000
L61 7.3300- 6.7500	7.0399	0.85	7	2.178	A	0.000	2.178	2.178	100.00	1.883	0.000
					B	0.000	2.178		100.00	2.204	0.000
					C	0.000	2.178		100.00	2.434	0.000
L62 6.7500- 6.5000	6.6250	0.85	7	0.941	A	0.000	0.941	0.941	100.00	0.811	0.000
					B	0.000	0.941		100.00	0.950	0.000
					C	0.000	0.941		100.00	1.049	0.000
L63 6.5000- 3.0000	4.7452	0.85	7	13.290	A	0.000	13.290	13.290	100.00	11.360	0.000
					B	0.000	13.290		100.00	11.437	0.000
					C	0.000	13.290		100.00	11.722	0.000
L64 3.0000- 2.7500	2.8750	0.85	7	0.958	A	0.000	0.958	0.958	100.00	0.811	0.000
					B	0.000	0.958		100.00	0.781	0.000
					C	0.000	0.958		100.00	0.672	0.000
L65 2.7500- 2.5000	2.6250	0.85	7	0.959	A	0.000	0.959	0.959	100.00	0.811	0.000
					B	0.000	0.959		100.00	0.781	0.000
					C	0.000	0.959		100.00	0.672	0.000
L66 2.5000- 2.2500	2.3750	0.85	7	0.960	A	0.000	0.960	0.960	100.00	0.811	0.000
					B	0.000	0.960		100.00	0.781	0.000
					C	0.000	0.960		100.00	0.672	0.000
L67 2.2500- 0.0000	1.1230	0.85	7	8.690	A	0.000	8.690	8.690	100.00	5.053	0.000
					B	0.000	8.690		100.00	4.776	0.000
					C	0.000	8.690		100.00	5.672	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
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	147 - 142	Pole	Max Tension	1	0.00	0.00	-0.00
			Max. Compression	26	-3.75	-0.00	0.02
			Max. Mx	20	-1.13	28.96	0.03
			Max. My	2	-1.12	-0.00	28.97
			Max. Vy	20	-4.82	28.96	0.03
			Max. Vx	2	-4.82	-0.00	28.97
			Max. Torque	22			0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L2	142 - 137	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-4.17	-0.00	0.04
			Max. Mx	20	-1.34	53.97	0.05
			Max. My	2	-1.33	-0.00	53.98
			Max. Vy	20	-5.19	53.97	0.05
			Max. Vx	2	-5.19	-0.00	53.98
L3	137 - 132	Pole	Max. Torque	22			0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-11.92	-0.00	1.38
			Max. Mx	20	-3.82	107.08	0.32
			Max. My	2	-3.80	-0.00	108.15
			Max. Vy	20	-10.54	107.08	0.32
L4	132 - 127	Pole	Max. Vx	2	-10.66	-0.00	108.15
			Max. Torque	8			1.08
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-20.39	0.01	7.06
			Max. Mx	20	-7.61	169.24	1.50
			Max. My	2	-7.57	-0.00	172.67
L5	127 - 120.37	Pole	Max. Vy	20	-15.17	169.24	1.50
			Max. Vx	2	-15.45	-0.00	172.67
			Max. Torque	20			-4.26
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-20.81	0.03	7.13
			Max. Mx	20	-7.92	220.93	1.53
L6	120.37 - 118.62	Pole	Max. My	2	-7.88	0.00	225.29
			Max. Vy	20	-15.43	220.93	1.53
			Max. Vx	2	-15.70	0.00	225.29
			Max. Torque	20			-4.26
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-21.83	0.05	7.23
L7	118.62 - 113.62	Pole	Max. Mx	20	-8.60	299.14	1.58
			Max. My	2	-8.56	0.01	304.87
			Max. Vy	20	-15.86	299.14	1.58
			Max. Vx	2	-16.13	0.01	304.87
			Max. Torque	20			-4.26
			Max Tension	1	0.00	0.00	0.00
L8	113.62 - 113.08	Pole	Max. Compression	26	-34.81	-0.41	7.58
			Max. Mx	8	-14.28	-406.19	1.68
			Max. My	2	-14.24	-0.12	413.27
			Max. Vy	20	-23.19	405.93	1.68
			Max. Vx	14	23.47	-0.12	-409.48
			Max. Torque	20			-4.39
L9	113.08 - 112.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.98	-0.40	7.58
			Max. Mx	8	-14.42	-424.52	1.68
			Max. My	2	-14.38	-0.12	431.82
			Max. Vy	20	-23.29	424.29	1.69
			Max. Vx	14	23.52	-0.12	-428.04
L10	112.83 - 112.16	Pole	Max. Torque	20			-4.39
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.13	-0.40	7.59
			Max. Mx	8	-14.52	-440.10	1.69
			Max. My	2	-14.48	-0.12	447.59
			Max. Vy	20	-23.38	439.92	1.69
L11	112.16 -	Pole	Max. Vx	14	23.57	-0.12	-443.81
			Max. Torque	20			-4.39
L11	112.16 -	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
	111.91		Max. Compression	26	-35.20	-0.40	7.59
			Max. Mx	8	-14.58	-445.93	1.69
			Max. My	2	-14.54	-0.12	453.49
			Max. Vy	20	-23.41	445.76	1.69
			Max. Vx	14	23.61	-0.12	-449.71
			Max. Torque	20			-4.39
L12	111.91 - 110.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.61	-0.40	7.61
			Max. Mx	8	-14.83	-478.96	1.69
			Max. My	2	-14.79	-0.12	486.90
			Max. Vy	20	-23.64	478.92	1.69
			Max. Vx	14	23.82	-0.12	-483.14
			Max. Torque	20			-4.39
L13	110.5 - 110.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.70	-0.40	7.61
			Max. Mx	8	-14.90	-484.85	1.69
			Max. My	2	-14.87	-0.12	492.86
			Max. Vy	20	-23.67	484.84	1.70
			Max. Vx	14	23.86	-0.12	-489.10
			Max. Torque	20			-4.39
L14	110.25 - 105.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.50	-0.38	7.65
			Max. Mx	20	-16.08	605.25	1.71
			Max. My	2	-16.06	-0.11	614.11
			Max. Vy	20	-24.51	605.25	1.71
			Max. Vx	14	24.67	-0.12	-610.41
			Max. Torque	20			-4.39
L15	105.25 - 105	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.60	-0.38	7.65
			Max. Mx	20	-16.15	611.38	1.71
			Max. My	2	-16.13	-0.11	620.28
			Max. Vy	20	-24.55	611.38	1.71
			Max. Vx	14	24.72	-0.12	-616.58
			Max. Torque	20			-4.39
L16	105 - 104.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.71	-0.38	7.65
			Max. Mx	20	-16.23	617.52	1.71
			Max. My	2	-16.21	-0.11	626.46
			Max. Vy	20	-24.59	617.52	1.71
			Max. Vx	14	24.77	-0.12	-622.76
			Max. Torque	20			-4.39
L17	104.75 - 103.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-38.27	-0.38	7.66
			Max. Mx	20	-16.60	648.40	1.71
			Max. My	2	-16.58	-0.11	657.53
			Max. Vy	20	-24.82	648.40	1.71
			Max. Vx	14	24.99	-0.12	-653.86
			Max. Torque	20			-4.39
L18	103.5 - 103.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-38.37	-0.38	7.66
			Max. Mx	20	-16.67	654.61	1.72
			Max. My	2	-16.65	-0.11	663.78
			Max. Vy	20	-24.86	654.61	1.72
			Max. Vx	14	25.04	-0.12	-660.11
			Max. Torque	20			-4.39
L19	103.25 - 98.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.26	-0.36	7.69
			Max. Mx	20	-17.95	781.04	1.72
			Max. My	2	-17.93	-0.11	790.90
			Max. Vy	20	-25.72	781.04	1.72
			Max. Vx	14	25.89	-0.11	-787.38
			Max. Torque	20			-4.39

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L20	98.25 - 94.17	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.83	-0.34	7.71
			Max. Mx	20	-19.02	887.39	1.73
			Max. My	2	-19.01	-0.10	897.74
			Max. Vy	20	-26.43	887.39	1.73
			Max. Vx	14	26.59	-0.11	-894.41
			Max. Torque	20			-4.39
L21	94.17 - 93.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.94	-0.34	7.71
			Max. Mx	20	-19.11	894.00	1.73
			Max. My	2	-19.09	-0.10	904.38
			Max. Vy	20	-26.47	894.00	1.73
			Max. Vx	14	26.64	-0.11	-901.06
			Max. Torque	20			-4.39
L22	93.92 - 93	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.35	-0.34	7.72
			Max. Mx	20	-19.38	918.43	1.73
			Max. My	2	-19.36	-0.10	928.90
			Max. Vy	20	-26.64	918.43	1.73
			Max. Vx	14	26.80	-0.11	-925.64
			Max. Torque	20			-4.39
L23	93 - 92.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.46	-0.34	7.72
			Max. Mx	20	-19.46	925.09	1.73
			Max. My	2	-19.44	-0.10	935.59
			Max. Vy	20	-26.68	925.09	1.73
			Max. Vx	14	26.85	-0.11	-932.34
			Max. Torque	20			-4.39
L24	92.75 - 92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.79	-0.34	7.73
			Max. Mx	20	-19.68	945.15	1.73
			Max. My	2	-19.66	-0.10	955.73
			Max. Vy	20	-26.82	945.15	1.73
			Max. Vx	14	26.99	-0.11	-952.53
			Max. Torque	20			-4.39
L25	92 - 91.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.90	-0.34	7.73
			Max. Mx	20	-19.75	951.86	1.73
			Max. My	2	-19.74	-0.10	962.47
			Max. Vy	20	-26.87	951.86	1.73
			Max. Vx	14	27.04	-0.11	-959.28
			Max. Torque	20			-4.39
L26	91.75 - 84.91	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.04	-0.33	7.74
			Max. Mx	20	-20.52	1024.23	1.73
			Max. My	2	-20.50	-0.09	1035.07
			Max. Vy	20	-27.35	1024.23	1.73
			Max. Vx	14	27.52	-0.10	-1032.09
			Max. Torque	20			-4.38
L27	84.91 - 83.91	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.67	-0.31	7.76
			Max. Mx	20	-23.18	1168.36	1.73
			Max. My	2	-23.17	-0.09	1179.61
			Max. Vy	20	-28.40	1168.36	1.73
			Max. Vx	14	28.57	-0.10	-1177.08
			Max. Torque	8			4.38
L28	83.91 - 78.91	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-49.98	-0.29	7.77
			Max. Mx	20	-24.82	1312.58	1.73
			Max. My	2	-24.81	-0.08	1324.13
			Max. Vy	20	-29.31	1312.58	1.73
			Max. Vx	14	29.47	-0.09	-1322.14
			Max. Torque	8			4.38
L29	78.91 -	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
	73.91		Max. Compression	26	-52.32	-0.27	7.78
			Max. Mx	20	-26.49	1461.34	1.73
			Max. My	2	-26.48	-0.07	1473.10
			Max. Vy	20	-30.22	1461.34	1.73
			Max. Vx	14	30.38	-0.08	-1471.72
			Max. Torque	8			4.38
L30	73.91 - 68.91	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.68	-0.25	7.78
			Max. Mx	20	-28.19	1614.64	1.72
			Max. My	2	-28.18	-0.06	1626.51
			Max. Vy	20	-31.13	1614.64	1.72
			Max. Vx	14	31.29	-0.08	-1625.85
			Max. Torque	8			4.38
			Max Tension	1	0.00	0.00	0.00
L31	68.91 - 67	Pole	Max. Compression	26	-55.59	-0.25	7.78
			Max. Mx	20	-28.84	1674.40	1.72
			Max. My	2	-28.83	-0.06	1686.30
			Max. Vy	20	-31.48	1674.40	1.72
			Max. Vx	14	31.65	-0.07	-1685.92
			Max. Torque	8			4.38
			Max Tension	1	0.00	0.00	0.00
L32	67 - 66.75	Pole	Max. Compression	26	-55.71	-0.25	7.79
			Max. Mx	20	-28.95	1682.28	1.72
			Max. My	2	-28.94	-0.06	1694.17
			Max. Vy	20	-31.51	1682.28	1.72
			Max. Vx	14	31.69	-0.07	-1693.84
			Max. Torque	8			4.38
			Max Tension	1	0.00	0.00	0.00
L33	66.75 - 65.5	Pole	Max. Compression	26	-56.33	-0.25	7.82
			Max. Mx	20	-29.37	1721.81	1.71
			Max. My	2	-29.36	-0.06	1733.70
			Max. Vy	20	-31.76	1721.81	1.71
			Max. Vx	14	31.93	-0.07	-1733.58
			Max. Torque	8			4.38
			Max Tension	1	0.00	0.00	0.00
L34	65.5 - 65.25	Pole	Max. Compression	26	-56.47	-0.25	7.83
			Max. Mx	20	-29.48	1729.75	1.71
			Max. My	2	-29.47	-0.06	1741.65
			Max. Vy	20	-31.80	1729.75	1.71
			Max. Vx	14	31.98	-0.07	-1741.57
			Max. Torque	8			4.38
			Max Tension	1	0.00	0.00	0.00
L35	65.25 - 64.5	Pole	Max. Compression	26	-56.87	-0.24	7.84
			Max. Mx	20	-29.76	1753.65	1.71
			Max. My	14	-29.74	-0.07	-1765.60
			Max. Vy	20	-31.95	1753.65	1.71
			Max. Vx	14	32.12	-0.07	-1765.60
			Max. Torque	8			4.38
			Max Tension	1	0.00	0.00	0.00
L36	64.5 - 64.25	Pole	Max. Compression	26	-57.00	-0.24	7.85
			Max. Mx	20	-29.86	1761.64	1.71
			Max. My	14	-29.84	-0.07	-1773.64
			Max. Vy	20	-31.99	1761.64	1.71
			Max. Vx	14	32.18	-0.07	-1773.64
			Max. Torque	8			4.38
			Max Tension	1	0.00	0.00	0.00
L37	64.25 - 59.5	Pole	Max. Compression	26	-59.42	-0.22	7.91
			Max. Mx	20	-31.60	1915.66	1.70
			Max. My	14	-31.58	-0.06	-1928.58
			Max. Vy	20	-32.88	1915.66	1.70
			Max. Vx	14	33.09	-0.06	-1928.58
			Max. Torque	8			4.38
			Max Tension	1	0.00	0.00	0.00
L38	59.5 - 59.25	Pole	Max. Compression	26	-59.55	-0.21	7.91
			Max. Mx	20	-31.70	1923.88	1.70
			Max. My	14	-31.69	-0.06	-1936.86
			Max. Vy	20	-32.92	1923.88	1.70

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L39	59.25 - 58.58	Pole	Max. Vx	14	33.14	-0.06	-1936.86
			Max. Torque	8			4.37
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.90	-0.21	7.92
			Max. Mx	20	-31.95	1945.97	1.70
			Max. My	14	-31.93	-0.06	-1959.09
L40	58.58 - 58.33	Pole	Max. Vy	20	-33.04	1945.97	1.70
			Max. Vx	14	33.26	-0.06	-1959.09
			Max. Torque	8			4.37
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.04	-0.21	7.92
			Max. Mx	20	-32.06	1954.24	1.70
L41	58.33 - 53.33	Pole	Max. My	14	-32.04	-0.06	-1967.41
			Max. Vy	20	-33.09	1954.24	1.70
			Max. Vx	14	33.31	-0.06	-1967.41
			Max. Torque	8			4.37
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.73	-0.16	7.96
L42	53.33 - 44.41	Pole	Max. Mx	20	-34.03	2121.98	1.68
			Max. My	14	-34.01	-0.05	-2136.28
			Max. Vy	20	-34.03	2121.98	1.68
			Max. Vx	14	34.26	-0.05	-2136.28
			Max. Torque	8			4.37
			Max Tension	1	0.00	0.00	0.00
L43	44.41 - 43.41	Pole	Max. Compression	26	-64.90	0.22	7.76
			Max. Mx	20	-35.61	2251.09	1.55
			Max. My	14	-35.60	0.16	-2266.21
			Max. Vy	8	34.78	-2246.89	1.51
			Max. Vx	14	35.05	0.16	-2266.21
			Max. Torque	8			4.37
L44	43.41 - 38.41	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.60	0.27	7.75
			Max. Mx	20	-40.05	2469.60	1.64
			Max. My	14	-40.03	0.06	-2486.50
			Max. Vy	8	36.08	-2465.48	1.38
			Max. Vx	14	36.35	0.06	-2486.50
L45	38.41 - 34.5	Pole	Max. Torque	20			4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-75.84	0.35	7.75
			Max. Mx	20	-44.00	2797.76	1.76
			Max. My	14	-43.98	-0.08	-2817.53
			Max. Vy	8	37.71	-2794.01	1.18
L46	34.5 - 34.25	Pole	Max. Vx	14	37.98	-0.08	-2817.53
			Max. Torque	20			4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.02	0.35	7.76
			Max. Mx	20	-44.15	2807.17	1.76
			Max. My	14	-44.13	-0.09	-2827.03
L47	34.25 - 33.5	Pole	Max. Vy	8	37.75	-2803.44	1.17
			Max. Vx	14	38.03	-0.09	-2827.03
			Max. Torque	20			4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.55	0.36	7.76
			Max. Mx	20	-44.55	2835.49	1.77
			Max. My	14	-44.53	-0.10	-2855.59
			Max. Vy	8	37.90	-2831.80	1.15

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L48	33.5 - 33.25	Pole	Max. Vx	14	38.17	-0.10	-2855.59
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.71	0.37	7.77
			Max. Mx	20	-44.67	2844.95	1.77
			Max. My	14	-44.65	-0.10	-2865.14
			Max. Vy	8	37.94	-2841.28	1.15
L49	33.25 - 30.5	Pole	Max. Vx	14	38.22	-0.10	-2865.14
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.43	0.39	7.77
			Max. Mx	20	-45.95	2949.74	1.81
			Max. My	14	-45.94	-0.15	-2970.88
			Max. Vy	8	38.46	-2946.28	1.08
L50	30.5 - 30.25	Pole	Max. Vx	14	38.71	-0.15	-2970.88
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.58	0.39	7.78
			Max. Mx	20	-46.09	2959.33	1.81
			Max. My	14	-46.08	-0.15	-2980.56
			Max. Vy	8	38.48	-2955.89	1.08
L51	30.25 - 29.75	Pole	Max. Vx	14	38.76	-0.15	-2980.56
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.90	0.39	7.78
			Max. Mx	20	-46.32	2978.55	1.82
			Max. My	14	-46.31	-0.16	-2999.95
			Max. Vy	8	38.57	-2975.15	1.07
L52	29.75 - 29.5	Pole	Max. Vx	14	38.84	-0.16	-2999.95
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.06	0.39	7.78
			Max. Mx	20	-46.45	2988.18	1.82
			Max. My	14	-46.44	-0.16	-3009.66
			Max. Vy	8	38.61	-2984.79	1.06
L53	29.5 - 29	Pole	Max. Vx	14	38.89	-0.16	-3009.66
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.38	0.39	7.79
			Max. Mx	20	-46.70	3007.46	1.82
			Max. My	14	-46.69	-0.17	-3029.12
			Max. Vy	8	38.70	-3004.12	1.05
L54	29 - 28.75	Pole	Max. Vx	14	38.97	-0.17	-3029.12
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.55	0.39	7.79
			Max. Mx	20	-46.83	3017.12	1.83
			Max. My	14	-46.82	-0.18	-3038.87
			Max. Vy	8	38.75	-3013.80	1.04
L55	28.75 - 27.58	Pole	Max. Vx	14	39.03	-0.18	-3038.87
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-80.34	0.38	7.79
			Max. Mx	20	-47.43	3062.48	1.84
			Max. My	14	-47.41	-0.20	-3084.64
			Max. Vy	8	38.97	-3059.24	1.01
L56	27.58 - 27.33	Pole	Max. Vx	14	39.24	-0.20	-3084.64
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-80.50	0.38	7.80
			Max. Mx	20	-47.56	3072.20	1.85
			Max. My	14	-47.55	-0.20	-3094.46
			Max. Vy	8	39.00	-3068.99	1.01
L57	27.33 -	Pole	Max. Vx	14	39.29	-0.20	-3094.46
			Max. Torque	20			-4.23
			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
L58	22.33 - 17.33	Pole	Max. Compression	26	-83.75	0.36	7.83
			Max. Mx	20	-50.06	3268.94	1.91
			Max. My	14	-50.05	-0.28	-3293.05
			Max. Vy	8	39.87	-3266.08	0.89
			Max. Vx	14	40.18	-0.28	-3293.05
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.01	0.35	7.87
			Max. Mx	20	-52.60	3469.92	1.96
			Max. My	14	-52.59	-0.36	-3495.97
L59	17.33 - 12.33	Pole	Max. Vy	8	40.69	-3467.38	0.77
			Max. Vx	14	41.02	-0.36	-3495.97
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-90.28	0.33	7.90
			Max. Mx	20	-55.17	3674.91	2.02
			Max. My	14	-55.17	-0.44	-3703.00
			Max. Vy	8	41.46	-3672.64	0.64
			Max. Vx	14	41.82	-0.44	-3703.00
			Max. Torque	20			-4.23
L60	12.33 - 7.33	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-93.57	0.32	7.88
			Max. Mx	20	-57.78	3883.81	2.07
			Max. My	14	-57.78	-0.52	-3913.99
			Max. Vy	8	42.24	-3881.77	0.51
			Max. Vx	14	42.61	-0.52	-3913.99
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-93.96	0.32	7.87
			Max. Mx	20	-58.09	3908.29	2.08
L61	7.33 - 6.75	Pole	Max. My	14	-58.09	-0.53	-3938.73
			Max. Vy	8	42.32	-3906.29	0.50
			Max. Vx	14	42.70	-0.53	-3938.73
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-94.12	0.32	7.86
			Max. Mx	20	-58.23	3918.86	2.08
			Max. My	14	-58.22	-0.53	-3949.41
			Max. Vy	8	42.36	-3916.87	0.49
			Max. Vx	14	42.73	-0.53	-3949.41
L62	6.75 - 6.5	Pole	Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.40	0.37	7.80
			Max. Mx	20	-60.07	4067.87	2.12
			Max. My	14	-60.07	-0.59	-4099.90
			Max. Vy	8	42.93	-4066.06	0.40
			Max. Vx	14	43.29	-0.59	-4099.90
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.55	0.37	7.80
L63	6.5 - 3	Pole	Max. Mx	20	-60.22	4078.58	2.12
			Max. My	14	-60.21	-0.59	-4110.72
			Max. Vy	8	42.95	-4076.79	0.40
			Max. Vx	14	43.31	-0.59	-4110.72
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.70	0.37	7.80
			Max. Mx	20	-60.34	4089.30	2.12
			Max. My	14	-60.34	-0.60	-4121.55
			Max. Vy	8	42.99	-4087.53	0.39
L64	3 - 2.75	Pole	Max. Vx	14	43.34	-0.60	-4121.55
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.86	0.38	7.79
			Max. Mx	20	-60.47	4100.04	2.13
			Max. My	14	-60.47	-0.60	-4132.39
			Max. Vy	8			
			Max. Vx	14			
			Max. Torque	20			
			Max Tension	1			
L65	2.75 - 2.5	Pole	Max. Compression	26	-96.70	0.37	7.80
			Max. Mx	20	-60.34	4089.30	2.12
			Max. My	14	-60.34	-0.60	-4121.55
			Max. Vy	8	42.99	-4087.53	0.39
			Max. Vx	14	43.34	-0.60	-4121.55
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.70	0.37	7.80
			Max. Mx	20	-60.34	4089.30	2.12
			Max. My	14	-60.34	-0.60	-4121.55
L66	2.5 - 2.25	Pole	Max. Vy	8	42.99	-4087.53	0.39
			Max. Vx	14	43.34	-0.60	-4121.55
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.86	0.38	7.79
			Max. Mx	20	-60.47	4100.04	2.13
			Max. My	14	-60.47	-0.60	-4132.39
			Max. Vy	8			
			Max. Vx	14			
			Max. Torque	20			

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L67	2.25 - 0	Pole	Max. Vy	8	43.02	-4098.28	0.38
			Max. Vx	14	43.38	-0.60	-4132.39
			Max. Torque	20			-4.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-98.21	0.40	7.76
			Max. Mx	20	-61.64	4197.04	2.15
			Max. My	14	-61.64	-0.64	-4230.37
			Max. Vy	8	43.38	-4195.44	0.33
			Max. Vx	14	43.73	-0.64	-4230.37
			Max. Torque	20			-4.23

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	98.21	0.00	-0.00
	Max. H _x	21	46.24	43.28	0.02
	Max. H _z	3	46.24	0.02	42.97
	Max. M _x	2	4197.17	0.02	42.97
	Max. M _z	8	4195.44	-43.35	-0.02
	Max. Torsion	8	4.23	-43.35	-0.02
	Min. Vert	15	46.24	-0.02	-43.70
	Min. H _x	9	46.24	-43.35	-0.04
	Min. H _z	15	46.24	-0.02	-43.70
	Min. M _x	14	-4230.37	-0.02	-43.70
	Min. M _z	20	-4197.04	43.28	0.02
	Min. Torsion	20	-4.23	43.28	0.02

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturing Moment, M _x kip-ft	Overturing Moment, M _z kip-ft	Torque kip-ft
Dead Only	51.38	-0.00	0.00	-0.95	0.22	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	61.66	-0.02	-42.97	-4197.17	1.18	-0.00
0.9 Dead+1.0 Wind 0 deg - No Ice	46.24	-0.02	-42.97	-4157.11	1.11	-0.00
1.2 Dead+1.0 Wind 30 deg - No Ice	61.66	21.50	-37.51	-3661.54	-2093.22	-2.12
0.9 Dead+1.0 Wind 30 deg - No Ice	46.24	21.50	-37.51	-3626.53	-2073.47	-2.10
1.2 Dead+1.0 Wind 60 deg - No Ice	61.66	37.21	-21.62	-2108.06	-3616.39	-3.67
0.9 Dead+1.0 Wind 60 deg - No Ice	46.24	37.21	-21.62	-2087.76	-3582.24	-3.63
1.2 Dead+1.0 Wind 90 deg - No Ice	61.66	43.35	0.02	-0.33	-4195.44	-4.23
0.9 Dead+1.0 Wind 90 deg - No Ice	46.24	43.35	0.04	0.01	-4155.89	-4.18
1.2 Dead+1.0 Wind 120 deg - No Ice	61.66	37.21	21.64	2103.70	-3611.31	-3.65
0.9 Dead+1.0 Wind 120 deg - No Ice	46.24	37.21	21.64	2084.10	-3577.22	-3.61
1.2 Dead+1.0 Wind 150 deg - No Ice	61.66	21.74	37.88	3673.47	-2102.58	-2.11
0.9 Dead+1.0 Wind 150 deg - No Ice	46.24	21.74	37.88	3639.08	-2082.81	-2.08
1.2 Dead+1.0 Wind 180 deg - No Ice	61.66	0.02	43.70	4230.37	-0.64	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
0.9 Dead+1.0 Wind 180 deg	46.24	0.02	43.70	4190.79	-0.70	0.00
- No Ice						
1.2 Dead+1.0 Wind 210 deg	61.66	-21.76	37.96	3673.98	2102.37	2.11
- No Ice						
0.9 Dead+1.0 Wind 210 deg	46.24	-21.76	37.96	3639.61	2082.48	2.08
- No Ice						
1.2 Dead+1.0 Wind 240 deg	61.66	-37.25	21.64	2103.24	3612.89	3.65
- No Ice						
0.9 Dead+1.0 Wind 240 deg	46.24	-37.25	21.64	2083.65	3578.66	3.61
- No Ice						
1.2 Dead+1.0 Wind 270 deg	61.66	-43.28	-0.02	-2.15	4197.04	4.23
- No Ice						
0.9 Dead+1.0 Wind 270 deg	46.24	-43.28	-0.02	-1.81	4157.32	4.18
- No Ice						
1.2 Dead+1.0 Wind 300 deg	61.66	-37.25	-21.66	-2111.99	3621.94	3.67
- No Ice						
0.9 Dead+1.0 Wind 300 deg	46.24	-37.25	-21.66	-2091.68	3587.62	3.63
- No Ice						
1.2 Dead+1.0 Wind 330 deg	61.66	-21.55	-37.55	-3661.12	2094.58	2.12
- No Ice						
0.9 Dead+1.0 Wind 330 deg	46.24	-21.55	-37.55	-3626.14	2074.71	2.10
- No Ice						
1.2 Dead+1.0 Ice+1.0 Temp	98.21	-0.00	0.00	-7.76	0.40	-0.00
1.2 Dead+1.0 Wind 0	98.21	-0.01	-7.96	-879.29	0.69	0.01
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 30	98.21	3.97	-6.93	-765.30	-432.99	-0.54
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60	98.21	6.88	-4.00	-444.82	-750.15	-0.94
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 90	98.21	8.01	0.01	-7.67	-869.35	-1.09
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 120	98.21	6.88	4.01	428.86	-749.50	-0.95
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 150	98.21	4.01	6.98	751.69	-434.64	-0.55
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	98.21	0.01	8.07	868.79	0.12	-0.01
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	98.21	-4.01	7.00	752.85	435.80	0.54
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	98.21	-6.89	4.00	428.53	750.31	0.94
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	98.21	-7.98	-0.01	-8.24	868.91	1.09
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	98.21	-6.89	-4.01	-445.68	751.89	0.95
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	98.21	-3.99	-6.95	-766.61	434.89	0.55
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	51.38	-0.00	-7.99	-777.60	0.40	0.00
Dead+Wind 30 deg - Service	51.38	4.00	-6.98	-678.55	-387.27	-0.40
Dead+Wind 60 deg - Service	51.38	6.92	-4.02	-391.01	-669.21	-0.69
Dead+Wind 90 deg - Service	51.38	8.06	0.00	-0.88	-776.34	-0.79
Dead+Wind 120 deg - Service	51.38	6.92	4.03	388.56	-668.26	-0.68
Dead+Wind 150 deg - Service	51.38	4.04	7.05	679.15	-389.02	-0.40
Dead+Wind 180 deg - Service	51.38	0.00	8.13	782.14	0.06	-0.00
Dead+Wind 210 deg - Service	51.38	-4.05	7.06	679.24	389.33	0.40
Dead+Wind 240 deg - Service	51.38	-6.93	4.03	388.48	668.90	0.68
Dead+Wind 270 deg - Service	51.38	-8.05	-0.00	-1.21	776.99	0.79
Dead+Wind 300 deg - Service	51.38	-6.93	-4.03	-391.74	670.59	0.69
Dead+Wind 330 deg - Service	51.38	-4.01	-6.99	-678.48	387.88	0.40

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-51.38	0.00	0.00	51.38	-0.00	0.001%
2	-0.02	-61.66	-42.97	0.02	61.66	42.97	0.002%
3	-0.02	-46.24	-42.97	0.02	46.24	42.97	0.002%
4	21.50	-61.66	-37.51	-21.50	61.66	37.51	0.000%
5	21.50	-46.24	-37.51	-21.50	46.24	37.51	0.000%
6	37.21	-61.66	-21.62	-37.21	61.66	21.62	0.000%
7	37.21	-46.24	-21.62	-37.21	46.24	21.62	0.000%
8	43.35	-61.66	0.02	-43.35	61.66	-0.02	0.000%
9	43.35	-46.24	0.02	-43.35	46.24	-0.04	0.032%
10	37.21	-61.66	21.64	-37.21	61.66	-21.64	0.000%
11	37.21	-46.24	21.64	-37.21	46.24	-21.64	0.000%
12	21.74	-61.66	37.88	-21.74	61.66	-37.88	0.000%
13	21.74	-46.24	37.88	-21.74	46.24	-37.88	0.000%
14	0.02	-61.66	43.70	-0.02	61.66	-43.70	0.002%
15	0.02	-46.24	43.70	-0.02	46.24	-43.70	0.002%
16	-21.76	-61.66	37.96	21.76	61.66	-37.96	0.000%
17	-21.76	-46.24	37.96	21.76	46.24	-37.96	0.000%
18	-37.25	-61.66	21.64	37.25	61.66	-21.64	0.000%
19	-37.25	-46.24	21.64	37.25	46.24	-21.64	0.000%
20	-43.28	-61.66	-0.02	43.28	61.66	0.02	0.000%
21	-43.28	-46.24	-0.02	43.28	46.24	0.02	0.000%
22	-37.25	-61.66	-21.66	37.25	61.66	21.66	0.000%
23	-37.25	-46.24	-21.66	37.25	46.24	21.66	0.000%
24	-21.55	-61.66	-37.55	21.55	61.66	37.55	0.000%
25	-21.55	-46.24	-37.55	21.55	46.24	37.55	0.000%
26	0.00	-98.21	0.00	0.00	98.21	-0.00	0.000%
27	-0.01	-98.21	-7.96	0.01	98.21	7.96	0.000%
28	3.97	-98.21	-6.93	-3.97	98.21	6.93	0.000%
29	6.88	-98.21	-4.00	-6.88	98.21	4.00	0.000%
30	8.01	-98.21	0.01	-8.01	98.21	-0.01	0.000%
31	6.88	-98.21	4.01	-6.88	98.21	-4.01	0.000%
32	4.01	-98.21	6.98	-4.01	98.21	-6.98	0.000%
33	0.01	-98.21	8.07	-0.01	98.21	-8.07	0.000%
34	-4.01	-98.21	7.00	4.01	98.21	-7.00	0.000%
35	-6.89	-98.21	4.00	6.89	98.21	-4.00	0.000%
36	-7.98	-98.21	-0.01	7.98	98.21	0.01	0.000%
37	-6.89	-98.21	-4.01	6.89	98.21	4.01	0.000%
38	-3.99	-98.21	-6.95	3.99	98.21	6.95	0.000%
39	-0.00	-51.38	-7.99	0.00	51.38	7.99	0.003%
40	4.00	-51.38	-6.98	-4.00	51.38	6.98	0.001%
41	6.92	-51.38	-4.02	-6.92	51.38	4.02	0.000%
42	8.07	-51.38	0.00	-8.06	51.38	-0.00	0.001%
43	6.92	-51.38	4.03	-6.92	51.38	-4.03	0.001%
44	4.04	-51.38	7.05	-4.04	51.38	-7.05	0.001%
45	0.00	-51.38	8.13	-0.00	51.38	-8.13	0.003%
46	-4.05	-51.38	7.06	4.05	51.38	-7.06	0.001%
47	-6.93	-51.38	4.03	6.93	51.38	-4.03	0.001%
48	-8.05	-51.38	-0.00	8.05	51.38	0.00	0.001%
49	-6.93	-51.38	-4.03	6.93	51.38	4.03	0.000%
50	-4.01	-51.38	-6.99	4.01	51.38	6.99	0.001%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000458
2	Yes	16	0.00002993	0.00012105
3	Yes	16	0.00002009	0.00007554
4	Yes	22	0.00000001	0.00011123
5	Yes	22	0.00000001	0.00007847

6	Yes	22	0.00000001	0.00011811
7	Yes	22	0.00000001	0.00008357
8	Yes	19	0.00000001	0.00013721
9	Yes	19	0.00000001	0.00013477
10	Yes	22	0.00000001	0.00010723
11	Yes	22	0.00000001	0.00007578
12	Yes	22	0.00000001	0.00011708
13	Yes	22	0.00000001	0.00008273
14	Yes	16	0.00002991	0.00012355
15	Yes	16	0.00002008	0.00007811
16	Yes	22	0.00000001	0.00011630
17	Yes	22	0.00000001	0.00008216
18	Yes	22	0.00000001	0.00010740
19	Yes	22	0.00000001	0.00007591
20	Yes	19	0.00000001	0.00013808
21	Yes	19	0.00000001	0.00010387
22	Yes	22	0.00000001	0.00011849
23	Yes	22	0.00000001	0.00008383
24	Yes	22	0.00000001	0.00011054
25	Yes	22	0.00000001	0.00007796
26	Yes	14	0.00000001	0.00012076
27	Yes	20	0.00000001	0.00008801
28	Yes	20	0.00000001	0.00009965
29	Yes	20	0.00000001	0.00010011
30	Yes	20	0.00000001	0.00008618
31	Yes	20	0.00000001	0.00009527
32	Yes	20	0.00000001	0.00009649
33	Yes	20	0.00000001	0.00008440
34	Yes	20	0.00000001	0.00009645
35	Yes	20	0.00000001	0.00009523
36	Yes	20	0.00000001	0.00008609
37	Yes	20	0.00000001	0.00010022
38	Yes	20	0.00000001	0.00009969
39	Yes	14	0.00011871	0.00009323
40	Yes	16	0.00000001	0.00011969
41	Yes	17	0.00000001	0.00007466
42	Yes	15	0.00000001	0.00013677
43	Yes	16	0.00000001	0.00011282
44	Yes	16	0.00000001	0.00014630
45	Yes	14	0.00011858	0.00009274
46	Yes	16	0.00000001	0.00014350
47	Yes	16	0.00000001	0.00011288
48	Yes	15	0.00000001	0.00013707
49	Yes	17	0.00000001	0.00007551
50	Yes	16	0.00000001	0.00011840

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	147 - 142	18.3712	40	1.2477	0.0094
L2	142 - 137	17.0706	40	1.2347	0.0094
L3	137 - 132	15.7909	40	1.2086	0.0094
L4	132 - 127	14.5464	40	1.1652	0.0088
L5	127 - 120.37	13.3575	40	1.1023	0.0075
L6	123.62 - 118.62	12.5959	40	1.0481	0.0060
L7	118.62 - 113.62	11.5216	40	0.9947	0.0050
L8	113.62 - 113.08	10.5235	40	0.9092	0.0037
L9	113.08 - 112.83	10.4212	40	0.8992	0.0035
L10	112.83 - 112.16	10.3742	40	0.8946	0.0035
L11	112.16 - 111.91	10.2496	40	0.8822	0.0033
L12	111.91 - 110.5	10.2035	40	0.8798	0.0033
L13	110.5 - 110.25	9.9456	40	0.8663	0.0031
L14	110.25 - 105.25	9.9003	40	0.8646	0.0031
L15	105.25 - 105	9.0150	40	0.8259	0.0027
L16	105 - 104.75	8.9718	40	0.8239	0.0027
L17	104.75 - 103.5	8.9287	40	0.8224	0.0027

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L18	103.5 - 103.25	8.7144	40	0.8149	0.0026
L19	103.25 - 98.25	8.6718	40	0.8129	0.0026
L20	98.25 - 94.17	7.8421	40	0.7713	0.0023
L21	94.17 - 93.92	7.1985	40	0.7350	0.0021
L22	93.92 - 93	7.1601	40	0.7331	0.0020
L23	93 - 92.75	7.0195	40	0.7260	0.0020
L24	92.75 - 92	6.9815	40	0.7240	0.0020
L25	92 - 91.75	6.8683	40	0.7179	0.0019
L26	91.75 - 84.91	6.8308	40	0.7158	0.0019
L27	89.08 - 83.91	6.4369	40	0.6929	0.0018
L28	83.91 - 78.91	5.6989	40	0.6668	0.0017
L29	78.91 - 73.91	5.0232	40	0.6237	0.0015
L30	73.91 - 68.91	4.3933	40	0.5793	0.0013
L31	68.91 - 67	3.8102	40	0.5344	0.0011
L32	67 - 66.75	3.5998	40	0.5174	0.0011
L33	66.75 - 65.5	3.5728	40	0.5151	0.0011
L34	65.5 - 65.25	3.4394	40	0.5038	0.0010
L35	65.25 - 64.5	3.4131	40	0.5018	0.0010
L36	64.5 - 64.25	3.3347	40	0.4959	0.0010
L37	64.25 - 59.5	3.3088	40	0.4937	0.0010
L38	59.5 - 59.25	2.8386	40	0.4517	0.0009
L39	59.25 - 58.58	2.8150	40	0.4495	0.0009
L40	58.58 - 58.33	2.7523	40	0.4437	0.0008
L41	58.33 - 53.33	2.7291	40	0.4417	0.0008
L42	53.33 - 44.41	2.2882	40	0.4004	0.0007
L43	49.58 - 43.41	1.9861	40	0.3689	0.0006
L44	43.41 - 38.41	1.5261	46	0.3396	0.0006
L45	38.41 - 34.5	1.1924	46	0.2984	0.0005
L46	34.5 - 34.25	0.9611	46	0.2668	0.0004
L47	34.25 - 33.5	0.9472	46	0.2650	0.0004
L48	33.5 - 33.25	0.9060	46	0.2599	0.0004
L49	33.25 - 30.5	0.8925	46	0.2578	0.0004
L50	30.5 - 30.25	0.7508	46	0.2342	0.0004
L51	30.25 - 29.75	0.7386	46	0.2321	0.0004
L52	29.75 - 29.5	0.7145	46	0.2279	0.0004
L53	29.5 - 29	0.7026	46	0.2259	0.0003
L54	29 - 28.75	0.6792	46	0.2221	0.0003
L55	28.75 - 27.58	0.6676	46	0.2202	0.0003
L56	27.58 - 27.33	0.6147	46	0.2114	0.0003
L57	27.33 - 22.33	0.6037	46	0.2095	0.0003
L58	22.33 - 17.33	0.4042	46	0.1717	0.0003
L59	17.33 - 12.33	0.2444	46	0.1335	0.0002
L60	12.33 - 7.33	0.1245	46	0.0955	0.0001
L61	7.33 - 6.75	0.0444	46	0.0577	0.0001
L62	6.75 - 6.5	0.0376	46	0.0533	0.0001
L63	6.5 - 3	0.0349	46	0.0514	0.0001
L64	3 - 2.75	0.0074	46	0.0238	0.0000
L65	2.75 - 2.5	0.0062	46	0.0216	0.0000
L66	2.5 - 2.25	0.0051	46	0.0195	0.0000
L67	2.25 - 0	0.0041	46	0.0175	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.0000	APXVSP18-C-A20	40	18.3712	1.2477	0.0094	14405
136.0000	Platform Mount [LP 712-1]	40	15.5386	1.2012	0.0093	7775
129.0000	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	40	13.8246	1.1309	0.0082	4282
116.0000	Platform Mount [LP 303-1_HR-1]	40	10.9876	0.9537	0.0043	3456
50.0000	KS24019-L112A	40	2.0190	0.3718	0.0007	9211

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	147 - 142	98.7235	4	6.6887	0.0502
L2	142 - 137	91.7756	4	6.6189	0.0502
L3	137 - 132	84.9385	4	6.4784	0.0502
L4	132 - 127	78.2879	4	6.2484	0.0471
L5	127 - 120.37	71.9355	14	5.9173	0.0401
L6	123.62 - 118.62	67.8616	14	5.6332	0.0324
L7	118.62 - 113.62	62.1081	12	5.3507	0.0267
L8	113.62 - 113.08	56.7560	12	4.8969	0.0197
L9	113.08 - 112.83	56.2070	12	4.8434	0.0189
L10	112.83 - 112.16	55.9548	12	4.8192	0.0186
L11	112.16 - 111.91	55.2853	12	4.7530	0.0178
L12	111.91 - 110.5	55.0375	12	4.7403	0.0176
L13	110.5 - 110.25	53.6521	12	4.6685	0.0168
L14	110.25 - 105.25	53.4086	12	4.6590	0.0167
L15	105.25 - 105	48.6486	12	4.4524	0.0146
L16	105 - 104.75	48.4163	12	4.4416	0.0145
L17	104.75 - 103.5	48.1845	12	4.4336	0.0144
L18	103.5 - 103.25	47.0317	12	4.3933	0.0141
L19	103.25 - 98.25	46.8025	12	4.3828	0.0140
L20	98.25 - 94.17	42.3377	12	4.1599	0.0123
L21	94.17 - 93.92	38.8717	12	3.9651	0.0110
L22	93.92 - 93	38.6647	12	3.9549	0.0109
L23	93 - 92.75	37.9075	12	3.9167	0.0107
L24	92.75 - 92	37.7030	12	3.9060	0.0106
L25	92 - 91.75	37.0929	12	3.8733	0.0104
L26	91.75 - 84.91	36.8907	12	3.8620	0.0103
L27	89.08 - 83.91	34.7682	12	3.7385	0.0097
L28	83.91 - 78.91	30.7903	12	3.5986	0.0089
L29	78.91 - 73.91	27.1467	12	3.3672	0.0079
L30	73.91 - 68.91	23.7486	12	3.1287	0.0069
L31	68.91 - 67	20.6013	12	2.8871	0.0061
L32	67 - 66.75	19.4654	12	2.7956	0.0058
L33	66.75 - 65.5	19.3194	12	2.7834	0.0057
L34	65.5 - 65.25	18.5992	12	2.7223	0.0055
L35	65.25 - 64.5	18.4570	12	2.7117	0.0055
L36	64.5 - 64.25	18.0339	12	2.6797	0.0054
L37	64.25 - 59.5	17.8939	12	2.6681	0.0053
L38	59.5 - 59.25	15.3538	12	2.4416	0.0047
L39	59.25 - 58.58	15.2264	12	2.4299	0.0046
L40	58.58 - 58.33	14.8878	12	2.3988	0.0045
L41	58.33 - 53.33	14.7625	12	2.3878	0.0045
L42	53.33 - 44.41	12.3798	12	2.1652	0.0039
L43	49.58 - 43.41	10.7466	12	1.9954	0.0035
L44	43.41 - 38.41	8.2589	12	1.8369	0.0031
L45	38.41 - 34.5	6.4523	12	1.6148	0.0026
L46	34.5 - 34.25	5.2004	12	1.4436	0.0023
L47	34.25 - 33.5	5.1250	12	1.4343	0.0023
L48	33.5 - 33.25	4.9020	12	1.4065	0.0022
L49	33.25 - 30.5	4.8286	12	1.3950	0.0022
L50	30.5 - 30.25	4.0619	12	1.2677	0.0019
L51	30.25 - 29.75	3.9959	12	1.2562	0.0019
L52	29.75 - 29.5	3.8655	12	1.2333	0.0019
L53	29.5 - 29	3.8012	12	1.2229	0.0019
L54	29 - 28.75	3.6743	12	1.2022	0.0018
L55	28.75 - 27.58	3.6116	12	1.1920	0.0018
L56	27.58 - 27.33	3.3254	12	1.1440	0.0017
L57	27.33 - 22.33	3.2658	12	1.1337	0.0017
L58	22.33 - 17.33	2.1862	12	0.9290	0.0014
L59	17.33 - 12.33	1.3218	12	0.7224	0.0010
L60	12.33 - 7.33	0.6734	16	0.5167	0.0007
L61	7.33 - 6.75	0.2399	16	0.3119	0.0004
L62	6.75 - 6.5	0.2034	16	0.2884	0.0004
L63	6.5 - 3	0.1886	16	0.2777	0.0004
L64	3 - 2.75	0.0398	16	0.1285	0.0002
L65	2.75 - 2.5	0.0333	16	0.1168	0.0002

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L66	2.5 - 2.25	0.0275	16	0.1052	0.0001
L67	2.25 - 0	0.0223	16	0.0947	0.0001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.0000	APXVSPP18-C-A20	4	98.7235	6.6887	0.0502	2748
136.0000	Platform Mount [LP 712-1]	4	83.5907	6.4393	0.0499	1491
129.0000	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	14	74.4306	6.0678	0.0437	833
116.0000	Platform Mount [LP 303-1_HR-1]	12	59.2461	5.1334	0.0232	662
50.0000	KS24019-L112A	12	10.9245	2.0111	0.0035	1711

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K
L1	147 - 142 (1)	TP17.3259x16.25x0.1875	5.0000	0.0000	0.0	10.199 5	-1.12
L2	142 - 137 (2)	TP18.4017x17.3259x0.18 75	5.0000	0.0000	0.0	10.839 7	-1.33
L3	137 - 132 (3)	TP19.4776x18.4017x0.18 75	5.0000	0.0000	0.0	11.480 0	-3.80
L4	132 - 127 (4)	TP20.5534x19.4776x0.18 75	5.0000	0.0000	0.0	12.120 3	-7.57
L5	127 - 120.37 (5)	TP21.98x20.5534x0.1875	6.6300	0.0000	0.0	12.553 1	-7.88
L6	120.37 - 118.62 (6)	TP21.9654x20.9057x0.25	5.0000	0.0000	0.0	17.231 2	-8.56
L7	118.62 - 113.62 (7)	TP23.0251x21.9654x0.25	5.0000	0.0000	0.0	18.072 1	-14.24
L8	113.62 - 113.08 (8)	TP23.1396x23.0251x0.25	0.5400	0.0000	0.0	18.162 9	-14.33
L9	113.08 - 112.83 (9)	TP23.1926x23.1396x0.25 94	0.2500	0.0000	0.0	18.879 9	-14.38
L10	112.83 - 112.16 (10)	TP23.3346x23.1926x0.25 63	0.6700	0.0000	0.0	18.770 5	-14.48
L11	112.16 - 111.91 (11)	TP23.3875x23.3346x0.52 5	0.2500	0.0000	0.0	38.097 0	-14.54
L12	111.91 - 110.5 (12)	TP23.6864x23.3875x0.52 5	1.4100	0.0000	0.0	38.595 0	-14.79
L13	110.5 - 110.25 (13)	TP23.7394x23.6864x0.75	0.2500	0.0000	0.0	54.726 2	-14.87
L14	110.25 - 105.25 (14)	TP24.7991x23.7394x0.72 5	5.0000	0.0000	0.0	55.398 1	-16.06
L15	105.25 - 105 (15)	TP24.8521x24.7991x0.72 5	0.2500	0.0000	0.0	55.520 0	-16.13
L16	105 - 104.75 (16)	TP24.9051x24.8521x1	0.2500	0.0000	0.0	75.874 6	-16.21
L17	104.75 - 103.5 (17)	TP25.17x24.9051x1	1.2500	0.0000	0.0	76.715 5	-16.58
L18	103.5 - 103.25 (18)	TP25.223x25.17x0.7625	0.2500	0.0000	0.0	59.198 6	-16.65
L19	103.25 -	TP26.2827x25.223x0.737	5.0000	0.0000	0.0	59.796	-17.93

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K
	98.25 (19)	5				8	
L20	98.25 - 94.17 (20)	TP27.1474x26.2827x0.71 25	4.0800	0.0000	0.0	59.781 9	-19.01
L21	94.17 - 93.92 (21)	TP27.2004x27.1474x0.85	0.2500	0.0000	0.0	71.090 7	-19.09
L22	93.92 - 93 (22)	TP27.3954x27.2004x0.83 75	0.9200	0.0000	0.0	70.596 8	-19.36
L23	93 - 92.75 (23)	TP27.4484x27.3954x0.81 25	0.2500	0.0000	0.0	68.690 6	-19.44
L24	92.75 - 92 (24)	TP27.6073x27.4484x0.8	0.7500	0.0000	0.0	68.069 2	-19.66
L25	92 - 91.75 (25)	TP27.6603x27.6073x0.77 5	0.2500	0.0000	0.0	66.133 8	-19.74
L26	91.75 - 84.91 (26)	TP29.11x27.6603x0.7625	6.8400	0.0000	0.0	66.467 0	-20.49
L27	84.91 - 83.91 (27)	TP28.8215x27.7262x0.85	5.1700	0.0000	0.0	75.464 4	-23.16
L28	83.91 - 78.91 (28)	TP29.8808x28.8215x0.82 5	5.0000	0.0000	0.0	76.084 1	-24.80
L29	78.91 - 73.91 (29)	TP30.9401x29.8808x0.8	5.0000	0.0000	0.0	76.531 8	-26.47
L30	73.91 - 68.91 (30)	TP31.9994x30.9401x0.78 75	5.0000	0.0000	0.0	78.015 0	-28.17
L31	68.91 - 67 (31)	TP32.4041x31.9994x0.77 5	1.9100	0.0000	0.0	77.802 8	-28.82
L32	67 - 66.75 (32)	TP32.457x32.4041x0.775	0.2500	0.0000	0.0	77.933 1	-28.93
L33	66.75 - 65.5 (33)	TP32.7219x32.457x0.762 5	1.2500	0.0000	0.0	77.347 3	-29.35
L34	65.5 - 65.25 (34)	TP32.7748x32.7219x0.9	0.2500	0.0000	0.0	91.053 6	-29.46
L35	65.25 - 64.5 (35)	TP32.9337x32.7748x0.88 75	0.7500	0.0000	0.0	90.271 8	-29.74
L36	64.5 - 64.25 (36)	TP32.9867x32.9337x0.81 25	0.2500	0.0000	0.0	82.973 2	-29.84
L37	64.25 - 59.5 (37)	TP33.993x32.9867x0.787 5	4.7500	0.0000	0.0	82.998 0	-31.58
L38	59.5 - 59.25 (38)	TP34.046x33.993x0.8	0.2500	0.0000	0.0	84.418 2	-31.69
L39	59.25 - 58.58 (39)	TP34.1879x34.046x0.8	0.6700	0.0000	0.0	84.778 7	-31.94
L40	58.58 - 58.33 (40)	TP34.2409x34.1879x0.85	0.2500	0.0000	0.0	90.085 3	-32.04
L41	58.33 - 53.33 (41)	TP35.3002x34.2409x0.83 75	5.0000	0.0000	0.0	91.609 6	-34.01
L42	53.33 - 44.41 (42)	TP37.19x35.3002x0.8125	8.9200	0.0000	0.0	90.988 3	-35.60
L43	44.41 - 43.41 (43)	TP36.7801x35.4697x0.87 5	6.1700	0.0000	0.0	99.717 5	-40.04
L44	43.41 - 38.41 (44)	TP37.8421x36.7801x0.85	5.0000	0.0000	0.0	99.800 9	-42.24
L45	38.41 - 34.5 (45)	TP38.6725x37.8421x0.85	3.9100	0.0000	0.0	102.04 10	-43.98
L46	34.5 - 34.25 (46)	TP38.7256x38.6725x1	0.2500	0.0000	0.0	119.74 10	-44.13
L47	34.25 - 33.5 (47)	TP38.8849x38.7256x1	0.7500	0.0000	0.0	120.24 70	-44.53
L48	33.5 - 33.25 (48)	TP38.938x38.8849x0.8	0.2500	0.0000	0.0	96.840 1	-44.65
L49	33.25 - 30.5 (49)	TP39.5221x38.938x0.787 5	2.7500	0.0000	0.0	96.818 1	-45.94
L50	30.5 - 30.25 (50)	TP39.5752x39.5221x0.78 75	0.2500	0.0000	0.0	96.950 8	-46.07
L51	30.25 - 29.75 (51)	TP39.6814x39.5752x0.78 75	0.5000	0.0000	0.0	97.216 2	-46.31
L52	29.75 - 29.5 (52)	TP39.7345x39.6814x0.87 5	0.2500	0.0000	0.0	107.92 20	-46.44
L53	29.5 - 29 (53)	TP39.8407x39.7345x0.87 5	0.5000	0.0000	0.0	108.21 70	-46.68

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K
L54	29 - 28.75 (54)	TP39.8938x39.8407x0.88 75	0.2500	0.0000	0.0	109.87 80	-46.82
L55	28.75 - 27.58 (55)	TP40.1423x39.8938x0.87 5	1.1700	0.0000	0.0	109.05 50	-47.41
L56	27.58 - 27.33 (56)	TP40.1954x40.1423x0.87 5	0.2500	0.0000	0.0	109.20 20	-47.55
L57	27.33 - 22.33 (57)	TP41.2573x40.1954x0.87 5	5.0000	0.0000	0.0	112.15 20	-50.05
L58	22.33 - 17.33 (58)	TP42.3193x41.2573x0.85	5.0000	0.0000	0.0	111.88 00	-52.59
L59	17.33 - 12.33 (59)	TP43.3812x42.3193x0.83 75	5.0000	0.0000	0.0	113.09 10	-55.17
L60	12.33 - 7.33 (60)	TP44.4432x43.3812x0.82 5	5.0000	0.0000	0.0	114.21 60	-57.77
L61	7.33 - 6.75 (61)	TP44.5664x44.4432x0.82 5	0.5800	0.0000	0.0	114.53 90	-58.09
L62	6.75 - 6.5 (62)	TP44.6195x44.5664x0.77 5	0.2500	0.0000	0.0	107.85 10	-58.23
L63	6.5 - 3 (63)	TP45.3628x44.6195x0.77 5	3.5000	0.0000	0.0	109.67 90	-60.07
L64	3 - 2.75 (64)	TP45.4159x45.3628x0.7	0.2500	0.0000	0.0	99.349 8	-60.21
L65	2.75 - 2.5 (65)	TP45.469x45.4159x0.7	0.2500	0.0000	0.0	99.467 8	-60.34
L66	2.5 - 2.25 (66)	TP45.5221x45.469x0.775	0.2500	0.0000	0.0	110.07 10	-60.47
L67	2.25 - 0 (67)	TP46x45.5221x0.775	2.2500	0.0000	0.0	111.24 70	-61.64

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft
L1	147 - 142 (1)	TP17.3259x16.25x0.1875	28.97
L2	142 - 137 (2)	TP18.4017x17.3259x0.18 75	53.98
L3	137 - 132 (3)	TP19.4776x18.4017x0.18 75	108.15
L4	132 - 127 (4)	TP20.5534x19.4776x0.18 75	172.67
L5	127 - 120.37 (5)	TP21.98x20.5534x0.1875	225.29
L6	120.37 - 118.62 (6)	TP21.9654x20.9057x0.25	304.87
L7	118.62 - 113.62 (7)	TP23.0251x21.9654x0.25	413.27
L8	113.62 - 113.08 (8)	TP23.1396x23.0251x0.25	425.95
L9	113.08 - 112.83 (9)	TP23.1926x23.1396x0.25 94	431.82
L10	112.83 - 112.16 (10)	TP23.3346x23.1926x0.25 63	447.59
L11	112.16 - 111.91 (11)	TP23.3875x23.3346x0.52 5	453.49
L12	111.91 - 110.5 (12)	TP23.6864x23.3875x0.52 5	486.90
L13	110.5 - 110.25 (13)	TP23.7394x23.6864x0.75	492.86
L14	110.25 - 105.25 (14)	TP24.7991x23.7394x0.72 5	614.11
L15	105.25 - 105 (15)	TP24.8521x24.7991x0.72 5	620.28
L16	105 - 104.75 (16)	TP24.9051x24.8521x1	626.46

Section No.	Elevation ft	Size	M _{ux} kip-ft
L17	104.75 - 103.5 (17)	TP25.17x24.9051x1	657.53
L18	103.5 - 103.25 (18)	TP25.223x25.17x0.7625	663.78
L19	103.25 - 98.25 (19)	TP26.2827x25.223x0.7375	790.90
L20	98.25 - 94.17 (20)	TP27.1474x26.2827x0.7125	897.74
L21	94.17 - 93.92 (21)	TP27.2004x27.1474x0.85	904.38
L22	93.92 - 93 (22)	TP27.3954x27.2004x0.8375	928.90
L23	93 - 92.75 (23)	TP27.4484x27.3954x0.8125	935.59
L24	92.75 - 92 (24)	TP27.6073x27.4484x0.8	955.73
L25	92 - 91.75 (25)	TP27.6603x27.6073x0.775	962.47
L26	91.75 - 84.91 (26)	TP29.11x27.6603x0.7625	1035.22
L27	84.91 - 83.91 (27)	TP28.8215x27.7262x0.85	1180.41
L28	83.91 - 78.91 (28)	TP29.8808x28.8215x0.825	1325.65
L29	78.91 - 73.91 (29)	TP30.9401x29.8808x0.8	1475.42
L30	73.91 - 68.91 (30)	TP31.9994x30.9401x0.7875	1629.72
L31	68.91 - 67 (31)	TP32.4041x31.9994x0.775	1689.88
L32	67 - 66.75 (32)	TP32.457x32.4041x0.775	1697.80
L33	66.75 - 65.5 (33)	TP32.7219x32.457x0.7625	1737.58
L34	65.5 - 65.25 (34)	TP32.7748x32.7219x0.9	1745.57
L35	65.25 - 64.5 (35)	TP32.9337x32.7748x0.8875	1769.60
L36	64.5 - 64.25 (36)	TP32.9867x32.9337x0.8125	1777.64
L37	64.25 - 59.5 (37)	TP33.993x32.9867x0.7875	1932.48
L38	59.5 - 59.25 (38)	TP34.046x33.993x0.8	1940.75
L39	59.25 - 58.58 (39)	TP34.1879x34.046x0.8	1962.96
L40	58.58 - 58.33 (40)	TP34.2409x34.1879x0.85	1971.26
L41	58.33 - 53.33 (41)	TP35.3002x34.2409x0.8375	2139.81
L42	53.33 - 44.41 (42)	TP37.19x35.3002x0.8125	2269.03
L43	44.41 - 43.41 (43)	TP36.7801x35.4697x0.875	2488.44
L44	43.41 - 38.41 (44)	TP37.8421x36.7801x0.85	2672.42
L45	38.41 - 34.5 (45)	TP38.6725x37.8421x0.85	2819.57
L46	34.5 - 34.25 (46)	TP38.7256x38.6725x1	2829.07
L47	34.25 - 33.5 (47)	TP38.8849x38.7256x1	2857.66
L48	33.5 - 33.25 (48)	TP38.938x38.8849x0.8	2867.21
L49	33.25 - 30.5 (49)	TP39.5221x38.938x0.7875	2973.04
L50	30.5 - 30.25 (50)	TP39.5752x39.5221x0.7875	2982.72
L51	30.25 - 29.75	TP39.6814x39.5752x0.78	3002.13

Section No.	Elevation ft	Size	M_{ux} kip-ft
	(51)	75	
L52	29.75 - 29.5	TP39.7345x39.6814x0.87	3011.86
	(52)	5	
L53	29.5 - 29 (53)	TP39.8407x39.7345x0.87	3031.33
	(54)	5	
L54	29 - 28.75	TP39.8938x39.8407x0.88	3041.09
	(55)	75	
L55	28.75 - 27.58	TP40.1423x39.8938x0.87	3086.90
	(56)	5	
L56	27.58 - 27.33	TP40.1954x40.1423x0.87	3096.72
	(57)	5	
L57	27.33 - 22.33	TP41.2573x40.1954x0.87	3295.42
	(58)	5	
L58	22.33 - 17.33	TP42.3193x41.2573x0.85	3498.41
	(59)	75	
L59	17.33 - 12.33	TP43.3812x42.3193x0.83	3705.44
	(60)	5	
L60	12.33 - 7.33	TP44.4432x43.3812x0.82	3916.40
	(61)	5	
L61	7.33 - 6.75	TP44.5664x44.4432x0.82	3941.13
	(62)	5	
L62	6.75 - 6.5 (63)	TP44.6195x44.5664x0.77	3951.80
	(63)	5	
L63	6.5 - 3 (64)	TP45.3628x44.6195x0.77	4102.35
	(64)	5	
L64	3 - 2.75 (65)	TP45.4159x45.3628x0.7	4113.18
	(65)	5	
L65	2.75 - 2.5 (66)	TP45.469x45.4159x0.7	4124.02
	(66)	5	
L66	2.5 - 2.25 (67)	TP45.5221x45.469x0.775	4134.88
	(67)	5	
L67	2.25 - 0 (67)	TP46x45.5221x0.775	4232.98

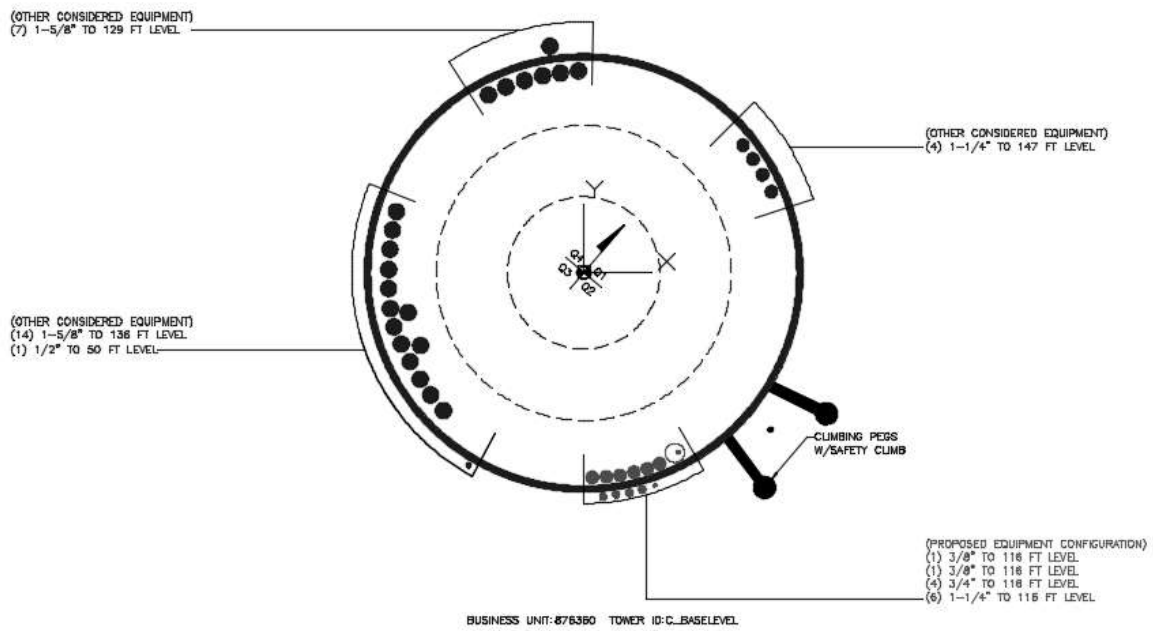
Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K
L1	147 - 142 (1)	TP17.3259x16.25x0.1875	4.82
L2	142 - 137 (2)	TP18.4017x17.3259x0.18	5.19
	(2)	75	
L3	137 - 132 (3)	TP19.4776x18.4017x0.18	10.66
	(3)	75	
L4	132 - 127 (4)	TP20.5534x19.4776x0.18	15.45
	(4)	75	
L5	127 - 120.37 (5)	TP21.98x20.5534x0.1875	15.70
	(5)	5	
L6	120.37 - 118.62 (6)	TP21.9654x20.9057x0.25	16.13
	(6)	5	
L7	118.62 - 113.62 (7)	TP23.0251x21.9654x0.25	23.47
	(7)	5	
L8	113.62 - 113.08 (8)	TP23.1396x23.0251x0.25	23.50
	(8)	5	
L9	113.08 - 112.83 (9)	TP23.1926x23.1396x0.25	23.52
	(9)	94	
L10	112.83 - 112.16 (10)	TP23.3346x23.1926x0.25	23.57
	(10)	63	
L11	112.16 - 111.91 (11)	TP23.3875x23.3346x0.52	23.61
	(11)	5	
L12	111.91 - 110.5 (12)	TP23.6864x23.3875x0.52	23.82
	(12)	5	
L13	110.5 - 110.25 (13)	TP23.7394x23.6864x0.75	23.86
	(13)	5	
L14	110.25 - 105.25 (14)	TP24.7991x23.7394x0.72	24.67
	(14)	5	
L15	105.25 - 105 (15)	TP24.8521x24.7991x0.72	24.71
	(15)	5	
L16	105 - 104.75	TP24.9051x24.8521x1	24.76

Section No.	Elevation ft	Size	Actual V_u K
	(16)		
L17	104.75 - 103.5 (17)	TP25.17x24.9051x1	24.98
L18	103.5 - 103.25 (18)	TP25.223x25.17x0.7625	25.02
L19	103.25 - 98.25 (19)	TP26.2827x25.223x0.7375	25.85
L20	98.25 - 94.17 (20)	TP27.1474x26.2827x0.7125	26.54
L21	94.17 - 93.92 (21)	TP27.2004x27.1474x0.85	26.59
L22	93.92 - 93 (22)	TP27.3954x27.2004x0.8375	26.75
L23	93 - 92.75 (23)	TP27.4484x27.3954x0.8125	26.80
L24	92.75 - 92 (24)	TP27.6073x27.4484x0.8	26.93
L25	92 - 91.75 (25)	TP27.6603x27.6073x0.775	26.98
L26	91.75 - 84.91 (26)	TP29.11x27.6603x0.7625	27.56
L27	84.91 - 83.91 (27)	TP28.8215x27.7262x0.85	28.61
L28	83.91 - 78.91 (28)	TP29.8808x28.8215x0.825	29.52
L29	78.91 - 73.91 (29)	TP30.9401x29.8808x0.8	30.43
L30	73.91 - 68.91 (30)	TP31.9994x30.9401x0.7875	31.33
L31	68.91 - 67 (31)	TP32.4041x31.9994x0.775	31.69
L32	67 - 66.75 (32)	TP32.457x32.4041x0.775	31.72
L33	66.75 - 65.5 (33)	TP32.7219x32.457x0.7625	31.96
L34	65.5 - 65.25 (34)	TP32.7748x32.7219x0.9	32.00
L35	65.25 - 64.5 (35)	TP32.9337x32.7748x0.8875	32.14
L36	64.5 - 64.25 (36)	TP32.9867x32.9337x0.8125	32.18
L37	64.25 - 59.5 (37)	TP33.993x32.9867x0.7875	33.05
L38	59.5 - 59.25 (38)	TP34.046x33.993x0.8	33.09
L39	59.25 - 58.58 (39)	TP34.1879x34.046x0.8	33.22
L40	58.58 - 58.33 (40)	TP34.2409x34.1879x0.85	33.26
L41	58.33 - 53.33 (41)	TP35.3002x34.2409x0.8375	34.19
L42	53.33 - 44.41 (42)	TP37.19x35.3002x0.8125	34.94
L43	44.41 - 43.41 (43)	TP36.7801x35.4697x0.875	36.20
L44	43.41 - 38.41 (44)	TP37.8421x36.7801x0.85	37.29
L45	38.41 - 34.5 (45)	TP38.6725x37.8421x0.85	38.01
L46	34.5 - 34.25 (46)	TP38.7256x38.6725x1	38.05
L47	34.25 - 33.5 (47)	TP38.8849x38.7256x1	38.20
L48	33.5 - 33.25 (48)	TP38.938x38.8849x0.8	38.24
L49	33.25 - 30.5 (49)	TP39.5221x38.938x0.7875	38.75
L50	30.5 - 30.25 (50)	TP39.5752x39.5221x0.7875	38.78

Section No.	Elevation ft	Size	Actual V_u K
L51	30.25 - 29.75 (51)	TP39.6814x39.5752x0.78 75	38.87
L52	29.75 - 29.5 (52)	TP39.7345x39.6814x0.87 5	38.91
L53	29.5 - 29 (53)	TP39.8407x39.7345x0.87 5	39.00
L54	29 - 28.75 (54)	TP39.8938x39.8407x0.88 75	39.05
L55	28.75 - 27.58 (55)	TP40.1423x39.8938x0.87 5	39.27
L56	27.58 - 27.33 (56)	TP40.1954x40.1423x0.87 5	39.30
L57	27.33 - 22.33 (57)	TP41.2573x40.1954x0.87 5	40.19
L58	22.33 - 17.33 (58)	TP42.3193x41.2573x0.85	41.03
L59	17.33 - 12.33 (59)	TP43.3812x42.3193x0.83 75	41.81
L60	12.33 - 7.33 (60)	TP44.4432x43.3812x0.82 5	42.60
L61	7.33 - 6.75 (61)	TP44.5664x44.4432x0.82 5	42.68
L62	6.75 - 6.5 (62)	TP44.6195x44.5664x0.77 5	42.72
L63	6.5 - 3 (63)	TP45.3628x44.6195x0.77 5	43.34
L64	3 - 2.75 (64)	TP45.4159x45.3628x0.7	43.36
L65	2.75 - 2.5 (65)	TP45.469x45.4159x0.7	43.39
L66	2.5 - 2.25 (66)	TP45.5221x45.469x0.775	43.43
L67	2.25 - 0 (67)	TP46x45.5221x0.775	43.78

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C

ADDITIONAL CALCULATIONS

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	147	26.63	3.25	18	16.25	21.98	0.1875	Auto	A572-65
2	123.62	38.71	4.17	18	20.91	29.11	0.25	Auto	A572-65
3	89.08	44.67	5.17	18	27.73	37.19	0.3125	Auto	A572-65
4	49.58	49.58	0	18	35.47	46	0.375	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	6.75	plate	5 x 1.25; (1) (1.1875)	2																		
2	0	29.75	plate	5 x 1.25; (1) (1.1875)	2																		
3	6.75	29.75	plate	5 x 1.25; (1) (1.1875)	1																		
4	29.75	59.5	plate	5 x 1.25; (1) (1.1875)	3																		
5	59.5	89	plate	4.75 x 1.25; (1) (1.1875)	3																		
6	89	105	plate	4.75 x 1.25; (1) (1.1875)	3																		
7	6.75	29.75	channel	MP3-03 (1.1875)	2																		
8	2.5	30.5	plate	CGI-APF-045100	2																		
9	2.5	29	plate	1-045100; (1) (1.1875)	1																		
10	30.5	58.58	plate	CGI-APF-045100	2																		
11	27.58	58.58	plate	CGI-APF-045100	1																		
12	58.58	94.17	plate	CGI-APF-040075	3																		
13	0	2.5	plate	FP 1 x 6 1	3																		
14	103.5	110.5	plate	CG-SFP-045100	3																		
15	3	34.5	plate	4.5 x 1.25; (1) (1.1875)	4																		
16	33.5	67	plate	CG-SFP-045100	2																		
17	33.5	65.5	plate	CG-SFP-045100	2																		
18	67	92	plate	CG-SFP-045100	2																		
19	64.5	93	plate	CG-SFP-045100	1																		
20	92	112.16	plate	4.5 x 1.25; (1) (1.1875)	2																		
21	93	113.08	plate	4.5 x 1.25; (1) (1.1875)	1																		
22	0	3	plate	FP 1.25 x 6 1	2																		
23																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Length (in)	Top Termination Length (in)	L _y (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	5	1.25	6.25	0.625	n/a	27.000	18.000	4.688	1.1875	A572-65
2	5	1.25	6.25	0.625	n/a	27.000	18.000	4.688	1.1875	A572-65
3	5	1.25	6.25	0.625	n/a	27.000	18.000	4.688	1.1875	A572-65
4	5	1.25	6.25	0.625	n/a	27.000	18.000	4.688	1.1875	A572-65
5	4.75	1.25	5.9375	0.625	n/a	27.000	18.000	4.375	1.1875	A572-65
6	4.25	1.25	5.3125	0.625	n/a	27.000	21.000	3.750	1.1875	A572-65
7	4.06	1.57	2.92	0.59	14.000	14.000	18.000	2.545	1.1875	A572-65
8	4.5	1	4.5	0.5	24.000	24.000	20.000	3.250	1.1875	A572-65
9	4.5	1	4.5	0.5	n/a	24.000	20.000	3.250	1.1875	A572-65
10	4.5	1	4.5	0.5	24.000	24.000	20.000	3.250	1.1875	A572-65
11	4.5	1	4.5	0.5	24.000	24.000	20.000	3.250	1.1875	A572-65
12	4	0.75	3	0.375	18.000	18.000	16.000	2.063	1.1875	A572-65
13	1	6	6	3	n/a	n/a	0.000	0.000	0.000	A572-65
14	4.5	1	4.5	0.5	18.000	18.000	20.000	3.250	1.1875	A572-65
15	4.5	1.25	5.625	0.625	21.000	21.000	24.000	4.063	1.1875	A572-65
16	4.5	1	4.5	0.5	18.000	18.000	20.000	3.250	1.1875	A572-65
17	4.5	1	4.5	0.5	18.000	18.000	20.000	3.250	1.1875	A572-65
18	4.5	1	4.5	0.5	18.000	18.000	20.000	3.250	1.1875	A572-65
19	4.5	1	4.5	0.5	18.000	18.000	20.000	3.250	1.1875	A572-65
20	4.5	1.25	5.625	0.625	24.000	24.000	24.000	4.063	1.1875	A572-65
21	4.5	1.25	5.625	0.625	24.000	24.000	24.000	4.063	1.1875	A572-65
22	1.25	6	7.5	3	n/a	n/a	0.000	7.500	0.000	A572-65

TNX Geometry Input

Increment (ft): Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	147 - 142	5		18	16.250	17.326	0.1875	A572-65	1.000
2	142 - 137	5		18	17.326	18.402	0.1875	A572-65	1.000
3	137 - 132	5		18	18.402	19.478	0.1875	A572-65	1.000
4	132 - 127	5		18	19.478	20.553	0.1875	A572-65	1.000
5	127 - 123.62	6.63	3.25	18	20.553	21.980	0.1875	A572-65	1.000
6	123.62 - 118.62	5		18	20.906	21.965	0.25	A572-65	1.000
7	118.62 - 113.62	5		18	21.965	23.025	0.25	A572-65	1.000
8	113.62 - 113.08	0.54		18	23.025	23.140	0.25	A572-65	1.000
9	113.08 - 112.83	0.25		18	23.140	23.193	0.259375	A572-65	1.262
10	112.83 - 112.16	0.67		18	23.193	23.335	0.25625	A572-65	1.276
11	112.16 - 111.91	0.25		18	23.335	23.388	0.525	A572-65	0.925
12	111.91 - 110.5	1.41		18	23.388	23.686	0.525	A572-65	0.919
13	110.5 - 110.25	0.25		18	23.686	23.739	0.75	A572-65	0.896
14	110.25 - 105.25	5		18	23.739	24.799	0.725	A572-65	0.900
15	105.25 - 105	0.25		18	24.799	24.852	0.725	A572-65	0.899
16	105 - 104.75	0.25		18	24.852	24.905	1	A572-65	0.868
17	104.75 - 103.5	1.25		18	24.905	25.170	1	A572-65	0.861
18	103.5 - 103.25	0.25		18	25.170	25.223	0.7625	A572-65	0.889
19	103.25 - 98.25	5		18	25.223	26.283	0.7375	A572-65	0.894
20	98.25 - 94.17	4.08		18	26.283	27.147	0.7125	A572-65	0.906
21	94.17 - 93.92	0.25		18	27.147	27.200	0.85	A572-65	0.889
22	93.92 - 93	0.92		18	27.200	27.395	0.8375	A572-65	0.897
23	93 - 92.75	0.25		18	27.395	27.448	0.8125	A572-65	0.907
24	92.75 - 92	0.75		18	27.448	27.607	0.8	A572-65	0.917
25	92 - 91.75	0.25		18	27.607	27.660	0.775	A572-65	0.910
26	91.75 - 89.08	6.84	4.17	18	27.660	29.110	0.7625	A572-65	0.912
27	89.08 - 83.91	5.17		18	27.726	28.822	0.85	A572-65	0.909
28	83.91 - 78.91	5		18	28.822	29.881	0.825	A572-65	0.915
29	78.91 - 73.91	5		18	29.881	30.940	0.8	A572-65	0.924
30	73.91 - 68.91	5		18	30.940	31.999	0.7875	A572-65	0.920
31	68.91 - 67	1.91		18	31.999	32.404	0.775	A572-65	0.927
32	67 - 66.75	0.25		18	32.404	32.457	0.775	A572-65	0.926
33	66.75 - 65.5	1.25		18	32.457	32.722	0.7625	A572-65	0.937
34	65.5 - 65.25	0.25		18	32.722	32.775	0.9	A572-65	0.895
35	65.25 - 64.5	0.75		18	32.775	32.934	0.8875	A572-65	0.905
36	64.5 - 64.25	0.25		18	32.934	32.987	0.8125	A572-65	0.931
37	64.25 - 59.5	4.75		18	32.987	33.993	0.7875	A572-65	0.942
38	59.5 - 59.25	0.25		18	33.993	34.046	0.8	A572-65	0.938
39	59.25 - 58.58	0.67		18	34.046	34.188	0.8	A572-65	0.936
40	58.58 - 58.33	0.25		18	34.188	34.241	0.85	A572-65	0.931
41	58.33 - 53.33	5		18	34.241	35.300	0.8375	A572-65	0.927
42	53.33 - 49.58	8.92	5.17	18	35.300	37.190	0.8125	A572-65	0.942
43	49.58 - 43.41	6.17		18	35.470	36.780	0.875	A572-65	0.938
44	43.41 - 38.41	5		18	36.780	37.842	0.85	A572-65	0.950
45	38.41 - 34.5	3.91		18	37.842	38.673	0.85	A572-65	0.939
46	34.5 - 34.25	0.25		18	38.673	38.726	1	A572-65	0.989
47	34.25 - 33.5	0.75		18	38.726	38.885	1	A572-65	0.986
48	33.5 - 33.25	0.25		18	38.885	38.938	0.8	A572-65	1.039
49	33.25 - 30.5	2.75		18	38.938	39.522	0.7875	A572-65	1.047
50	30.5 - 30.25	0.25		18	39.522	39.575	0.7875	A572-65	1.046
51	30.25 - 29.75	0.5		18	39.575	39.681	0.7875	A572-65	1.044
52	29.75 - 29.5	0.25		18	39.681	39.734	0.875	A572-65	0.996
53	29.5 - 29	0.5		18	39.734	39.841	0.875	A572-65	0.994
54	29 - 28.75	0.25		18	39.841	39.894	0.8875	A572-65	1.020
55	28.75 - 27.58	1.17		18	39.894	40.142	0.875	A572-65	1.031
56	27.58 - 27.33	0.25		18	40.142	40.195	0.875	A572-65	0.989
57	27.33 - 22.33	5		18	40.195	41.257	0.875	A572-65	0.974
58	22.33 - 17.33	5		18	41.257	42.319	0.85	A572-65	0.988
59	17.33 - 12.33	5		18	42.319	43.381	0.8375	A572-65	0.988
60	12.33 - 7.33	5		18	43.381	44.443	0.825	A572-65	0.990
61	7.33 - 6.75	0.58		18	44.443	44.566	0.825	A572-65	0.988
62	6.75 - 6.5	0.25		18	44.566	44.619	0.775	A572-65	1.054
63	6.5 - 3	3.5		18	44.619	45.363	0.775	A572-65	1.044
64	3 - 2.75	0.25		18	45.363	45.416	0.7	A572-65	1.078
65	2.75 - 2.5	0.25		18	45.416	45.469	0.7	A572-65	1.077
66	2.5 - 2.25	0.25		18	45.469	45.522	0.775	A572-65	1.015
67	2.25 - 0	2.25		18	45.522	46.000	0.775	A572-65	1.010

TNX Section Forces

Increment (ft): 5		TNX Output		
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	147 - 142	1.12	28.97	4.82
2	142 - 137	1.33	53.98	5.19
3	137 - 132	3.80	108.15	10.66
4	132 - 127	7.57	172.67	15.45
5	127 - 123.62	7.88	225.29	15.70
6	123.62 - 118.62	8.56	304.87	16.13
7	118.62 - 113.62	14.24	413.27	23.47
8	113.62 - 113.08	14.33	425.95	23.50
9	113.08 - 112.83	14.38	431.82	23.52
10	112.83 - 112.16	14.48	447.59	23.57
11	112.16 - 111.91	14.54	453.49	23.61
12	111.91 - 110.5	14.79	486.90	23.82
13	110.5 - 110.25	14.87	492.86	23.86
14	110.25 - 105.25	16.06	614.11	24.67
15	105.25 - 105	16.13	620.28	24.71
16	105 - 104.75	16.21	626.46	24.76
17	104.75 - 103.5	16.58	657.53	24.98
18	103.5 - 103.25	16.65	663.78	25.02
19	103.25 - 98.25	17.93	790.90	25.85
20	98.25 - 94.17	19.01	897.74	26.54
21	94.17 - 93.92	19.09	904.38	26.59
22	93.92 - 93	19.36	928.90	26.75
23	93 - 92.75	19.44	935.59	26.80
24	92.75 - 92	19.66	955.73	26.93
25	92 - 91.75	19.74	962.47	26.98
26	91.75 - 89.08	20.49	1035.23	27.56
27	89.08 - 83.91	23.16	1180.41	28.61
28	83.91 - 78.91	24.80	1325.65	29.52
29	78.91 - 73.91	26.47	1475.42	30.43
30	73.91 - 68.91	28.17	1629.73	31.33
31	68.91 - 67	28.82	1689.88	31.69
32	67 - 66.75	28.93	1697.80	31.72
33	66.75 - 65.5	29.35	1737.57	31.96
34	65.5 - 65.25	29.46	1745.57	32.00
35	65.25 - 64.5	29.74	1769.60	32.14
36	64.5 - 64.25	29.84	1777.64	32.18
37	64.25 - 59.5	31.58	1932.49	33.05
38	59.5 - 59.25	31.69	1940.75	33.09
39	59.25 - 58.58	31.94	1962.95	33.22
40	58.58 - 58.33	32.04	1971.26	33.26
41	58.33 - 53.33	34.01	2139.81	34.19
42	53.33 - 49.58	35.60	2269.03	34.94
43	49.58 - 43.41	40.04	2488.44	36.20
44	43.41 - 38.41	42.24	2672.42	37.29
45	38.41 - 34.5	43.98	2819.56	38.01
46	34.5 - 34.25	44.13	2829.07	38.04
47	34.25 - 33.5	44.53	2857.66	38.20
48	33.5 - 33.25	44.65	2867.21	38.24
49	33.25 - 30.5	45.94	2973.04	38.75
50	30.5 - 30.25	46.07	2982.73	38.78
51	30.25 - 29.75	46.31	3002.14	38.87
52	29.75 - 29.5	46.44	3011.86	38.91
53	29.5 - 29	46.68	3031.33	39.00
54	29 - 28.75	46.82	3041.09	39.05
55	28.75 - 27.58	47.41	3086.90	39.27
56	27.58 - 27.33	47.55	3096.72	39.30
57	27.33 - 22.33	50.05	3295.42	40.19
58	22.33 - 17.33	52.59	3498.41	41.03
59	17.33 - 12.33	55.17	3705.44	41.81
60	12.33 - 7.33	57.78	3916.40	42.60
61	7.33 - 6.75	58.09	3941.13	42.68
62	6.75 - 6.5	58.23	3951.80	42.72
63	6.5 - 3	60.07	4102.35	43.34
64	3 - 2.75	60.21	4113.18	43.36
65	2.75 - 2.5	60.34	4124.03	43.39
66	2.5 - 2.25	60.47	4134.88	43.43
67	2.25 - 0	61.64	4232.97	43.78

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
147 - 142	Pole	TP17.326x16.25x0.1875	Pole	10.5%	Pass
142 - 137	Pole	TP18.402x17.326x0.1875	Pole	17.3%	Pass
137 - 132	Pole	TP19.478x18.402x0.1875	Pole	31.6%	Pass
132 - 127	Pole	TP20.553x19.478x0.1875	Pole	46.2%	Pass
127 - 123.62	Pole	TP21.98x20.553x0.1875	Pole	56.5%	Pass
123.62 - 118.62	Pole	TP21.965x20.906x0.25	Pole	51.6%	Pass
118.62 - 113.62	Pole	TP23.025x21.965x0.25	Pole	63.9%	Pass
113.62 - 113.08	Pole	TP23.14x23.025x0.25	Pole	65.2%	Pass
113.08 - 112.83	Pole + Reinf.	TP23.193x23.14x0.2594	Pole	66.6%	Pass
112.83 - 112.16	Pole + Reinf.	TP23.335x23.193x0.2563	Pole	68.1%	Pass
112.16 - 111.91	Pole + Reinf.	TP23.388x23.335x0.525	Reinf. 20 Tension Rupture	58.8%	Pass
111.91 - 110.5	Pole + Reinf.	TP23.686x23.388x0.525	Reinf. 20 Tension Rupture	61.9%	Pass
110.5 - 110.25	Pole + Reinf.	TP23.739x23.686x0.75	Reinf. 20 Tension Rupture	44.7%	Pass
110.25 - 105.25	Pole + Reinf.	TP24.799x23.739x0.725	Reinf. 20 Tension Rupture	52.5%	Pass
105.25 - 105	Pole + Reinf.	TP24.852x24.799x0.725	Reinf. 20 Tension Rupture	52.8%	Pass
105 - 104.75	Pole + Reinf.	TP24.905x24.852x1	Reinf. 6 Tension Rupture	40.8%	Pass
104.75 - 103.5	Pole + Reinf.	TP25.17x24.905x1	Reinf. 6 Tension Rupture	42.2%	Pass
103.5 - 103.25	Pole + Reinf.	TP25.223x25.17x0.7625	Reinf. 6 Tension Rupture	53.7%	Pass
103.25 - 98.25	Pole + Reinf.	TP26.283x25.223x0.7375	Reinf. 6 Tension Rupture	60.5%	Pass
98.25 - 94.17	Pole + Reinf.	TP27.147x26.283x0.7125	Reinf. 6 Tension Rupture	65.7%	Pass
94.17 - 93.92	Pole + Reinf.	TP27.2x27.147x0.85	Reinf. 12 Tension Rupture	57.1%	Pass
93.92 - 93	Pole + Reinf.	TP27.395x27.2x0.8375	Reinf. 12 Tension Rupture	58.1%	Pass
93 - 92.75	Pole + Reinf.	TP27.448x27.395x0.8125	Reinf. 6 Tension Rupture	60.1%	Pass
92.75 - 92	Pole + Reinf.	TP27.607x27.448x0.8	Reinf. 6 Tension Rupture	60.9%	Pass
92 - 91.75	Pole + Reinf.	TP27.66x27.607x0.775	Reinf. 12 Tension Rupture	63.2%	Pass
91.75 - 89.08	Pole + Reinf.	TP29.11x27.66x0.7625	Reinf. 12 Tension Rupture	66.1%	Pass
89.08 - 83.91	Pole + Reinf.	TP28.822x27.726x0.85	Reinf. 12 Tension Rupture	65.6%	Pass
83.91 - 78.91	Pole + Reinf.	TP29.881x28.822x0.825	Reinf. 12 Tension Rupture	70.1%	Pass
78.91 - 73.91	Pole + Reinf.	TP30.94x29.881x0.8	Reinf. 12 Tension Rupture	74.3%	Pass
73.91 - 68.91	Pole + Reinf.	TP31.999x30.94x0.7875	Reinf. 12 Tension Rupture	78.3%	Pass
68.91 - 67	Pole + Reinf.	TP32.404x31.999x0.775	Reinf. 12 Tension Rupture	79.7%	Pass
67 - 66.75	Pole + Reinf.	TP32.457x32.404x0.775	Reinf. 12 Tension Rupture	79.9%	Pass
66.75 - 65.5	Pole + Reinf.	TP32.722x32.457x0.7625	Reinf. 12 Tension Rupture	80.9%	Pass
65.5 - 65.25	Pole + Reinf.	TP32.775x32.722x0.9	Reinf. 12 Tension Rupture	76.0%	Pass
65.25 - 64.5	Pole + Reinf.	TP32.934x32.775x0.8875	Reinf. 12 Tension Rupture	76.5%	Pass
64.5 - 64.25	Pole + Reinf.	TP32.987x32.934x0.8125	Reinf. 12 Tension Rupture	80.6%	Pass
64.25 - 59.5	Pole + Reinf.	TP33.993x32.987x0.7875	Reinf. 12 Tension Rupture	84.0%	Pass
59.5 - 59.25	Pole + Reinf.	TP34.046x33.993x0.8	Reinf. 12 Tension Rupture	83.0%	Pass
59.25 - 58.58	Pole + Reinf.	TP34.188x34.046x0.8	Reinf. 12 Tension Rupture	83.5%	Pass
58.58 - 58.33	Pole + Reinf.	TP34.241x34.188x0.85	Reinf. 10 Tension Rupture	75.5%	Pass
58.33 - 53.33	Pole + Reinf.	TP35.3x34.241x0.8375	Reinf. 10 Tension Rupture	78.5%	Pass
53.33 - 49.58	Pole + Reinf.	TP37.19x35.3x0.8125	Reinf. 10 Tension Rupture	80.7%	Pass
49.58 - 43.41	Pole + Reinf.	TP36.78x35.47x0.875	Reinf. 10 Tension Rupture	79.7%	Pass
43.41 - 38.41	Pole + Reinf.	TP37.842x36.78x0.85	Reinf. 10 Tension Rupture	82.1%	Pass
38.41 - 34.5	Pole + Reinf.	TP38.673x37.842x0.85	Reinf. 10 Tension Rupture	83.9%	Pass
34.5 - 34.25	Pole + Reinf.	TP38.726x38.673x1	Reinf. 16 Tension Rupture	72.6%	Pass
34.25 - 33.5	Pole + Reinf.	TP38.885x38.726x1	Reinf. 16 Tension Rupture	72.9%	Pass
33.5 - 33.25	Pole + Reinf.	TP38.938x38.885x0.8	Reinf. 4 Tension Rupture	85.3%	Pass
33.25 - 30.5	Pole + Reinf.	TP39.522x38.938x0.7875	Reinf. 4 Tension Rupture	86.5%	Pass
30.5 - 30.25	Pole + Reinf.	TP39.575x39.522x0.7875	Reinf. 4 Tension Rupture	86.6%	Pass
30.25 - 29.75	Pole + Reinf.	TP39.681x39.575x0.7875	Reinf. 4 Tension Rupture	86.8%	Pass
29.75 - 29.5	Pole + Reinf.	TP39.734x39.681x0.875	Reinf. 8 Tension Rupture	81.3%	Pass
29.5 - 29	Pole + Reinf.	TP39.841x39.734x0.875	Reinf. 8 Tension Rupture	81.5%	Pass
29 - 28.75	Pole + Reinf.	TP39.894x39.841x0.8875	Reinf. 3 Tension Rupture	80.1%	Pass
28.75 - 27.58	Pole + Reinf.	TP40.142x39.894x0.875	Reinf. 3 Tension Rupture	80.6%	Pass
27.58 - 27.33	Pole + Reinf.	TP40.195x40.142x0.875	Reinf. 3 Tension Rupture	80.6%	Pass
27.33 - 22.33	Pole + Reinf.	TP41.257x40.195x0.875	Reinf. 3 Tension Rupture	82.6%	Pass
22.33 - 17.33	Pole + Reinf.	TP42.319x41.257x0.85	Reinf. 3 Tension Rupture	84.4%	Pass
17.33 - 12.33	Pole + Reinf.	TP43.381x42.319x0.8375	Reinf. 3 Tension Rupture	86.2%	Pass
12.33 - 7.33	Pole + Reinf.	TP44.443x43.381x0.825	Reinf. 3 Tension Rupture	87.9%	Pass
7.33 - 6.75	Pole + Reinf.	TP44.566x44.443x0.825	Reinf. 3 Tension Rupture	88.1%	Pass
6.75 - 6.5	Pole + Reinf.	TP44.619x44.566x0.775	Reinf. 1 Tension Rupture	90.7%	Pass
6.5 - 3	Pole + Reinf.	TP45.363x44.619x0.775	Reinf. 1 Tension Rupture	91.9%	Pass
3 - 2.75	Pole + Reinf.	TP45.416x45.363x0.7	Reinf. 8 Tension Rupture	99.2%	Pass
2.75 - 2.5	Pole + Reinf.	TP45.469x45.416x0.7	Reinf. 8 Tension Rupture	99.2%	Pass
2.5 - 2.25	Pole + Reinf.	TP45.522x45.469x0.775	Reinf. 1 Tension Rupture	89.7%	Pass
2.25 - 0	Pole + Reinf.	TP46x45.522x0.775	Reinf. 1 Tension Rupture	90.4%	Pass
				Summary	
			Pole	68.1%	Pass
			Reinforcement	99.2%	Pass
			Overall	99.2%	Pass

Additional Calculations

[illegible]

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

Monopole Base Plate Connection

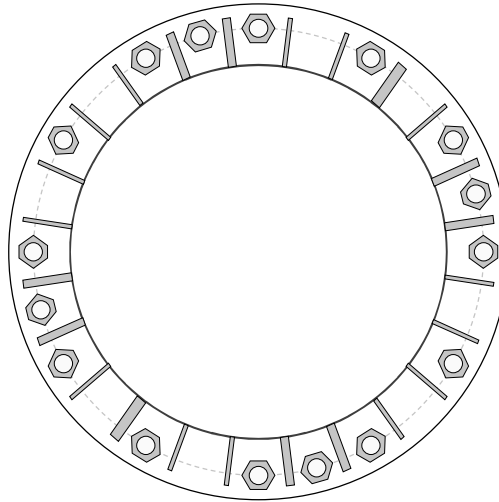


Site Info	
BU #	876360
Site Name	Preston-Town Hall
Order #	517089

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{br} (in)	2.25

Applied Loads	
Moment (kip-ft)	4233.00
Axial Force (kips)	62.00
Shear Force (kips)	44.00

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
GROUP 1: (12) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 55" BC		GROUP 1:	
GROUP 2: (4) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 55" BC		$Pu_c = 235.9$	$\phi Pn_c = 268.39$ Stress Rating
		$Vu = 3.67$	$\phi Vn = 120.77$ 83.8%
		$Mu = n/a$	$\phi Mn = n/a$ Pass
Base Plate Data		GROUP 2:	
61" OD x 1.75" Plate (A572-60; $F_y=60$ ksi, $F_u=75$ ksi)		$Pu_t = 230.73$	$\phi Pn_t = 243.75$ Stress Rating
		$Vu = 0$	$\phi Vn = 149.1$ 85.3%
		$Mu = n/a$	$\phi Mn = n/a$ Pass
Stiffener Data		Base Plate Summary	
Group 1: (14) 14"H x 6"W x 0.5"T, Notch: 0.75"		Max Stress (ksi):	52.9 (Roark's Flexural)
plate: $F_y=50$ ksi ; weld: $F_y=80$ ksi		Allowable Stress (ksi):	54
horiz. weld: 0.25" groove, 45° dbl bevel FALSE		Stress Rating:	93.3% Pass
vert. weld: 0.4375" fillet		Stiffener Summary	
Group 2: (8) 60"H x 6"W x 1"T, Notch: 0.75"		Horizontal Weld:	75.1% Pass
plate: $F_y=65$ ksi ; weld: $F_y=80$ ksi		Vertical Weld:	64.1% Pass
horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet		Plate Flexure+Shear:	34.0% Pass
vert. weld: 0.375" fillet		Plate Tension+Shear:	79.2% Pass
Group 3: (2) 66"H x 6"W x 1.25"T, Notch: 0.75"		Plate Compression:	87.2% Pass
plate: $F_y=65$ ksi ; weld: $F_y=80$ ksi		Pole Summary	
horiz. weld: 0.625" groove, 45° dbl bevel, 0.3125" fillet		Punching Shear:	23.6% Pass
vert. weld: 0.3125" fillet			
Pole Data			
46" x 0.375" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)			

Pier and Pad Foundation



BU # : 876360
 Site Name: Preston-Town Hall
 App. Number: 517089

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	62	kips
Base Shear, V_{u_comp} :	44	kips
Moment, M_u :	4233	ft-kips
Tower Height, H :	147	ft
BP Dist. Above Fdn, bp_{dist} :	4.5	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, $dpier$:	7	ft
Ext. Above Grade, E :	1	ft
Pier Rebar Size, Sc :	8	
Pier Rebar Quantity, mc :	33	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	8	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	6	ft
Pad Width, W :	26	ft
Pad Thickness, T :	3	ft
Pad Rebar Size (Bottom), Sp :	8	
Pad Rebar Quantity (Bottom), mp :	26	
Pad Clear Cover, cc_{pad} :	3	in

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

Soil Properties		
Total Soil Unit Weight, γ :	120	pcf
Ultimate Gross Bearing, Q_{ult} :	15.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	40	degrees
SPT Blow Count, N_{blows} :	64	
Base Friction, μ :	0.3	
Neglected Depth, N :	2.00	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	n/a	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	276.25	44.00	15.2%	Pass
Bearing Pressure (ksf)	11.25	2.45	21.8%	Pass
Overtuning (kip*ft)	7136.74	4557.50	63.9%	Pass
Pier Flexure (Comp.) (kip*ft)	4404.95	4409.00	95.3%	Pass
Pier Compression (kip)	31187.52	97.28	0.3%	Pass
Pad Flexure (kip*ft)	2857.85	1868.98	62.3%	Pass
Pad Shear - 1-way (kips)	932.37	274.50	28.0%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.043	21.4%	Pass
Flexural 2-way (Comp) (kip*ft)	3460.76	2645.40	72.8%	Pass

*Rating per TIA-222-H Section 15.5

Soil Rating*:	63.9%
Structural Rating*:	95.3%

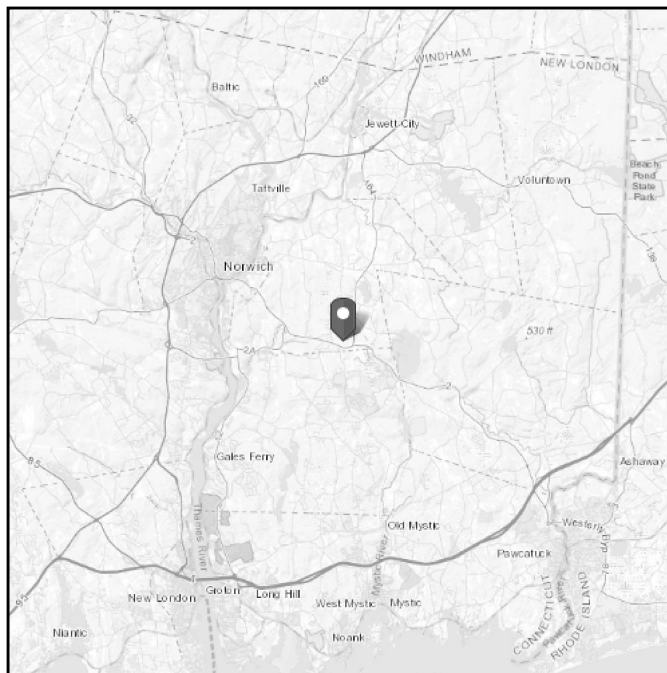
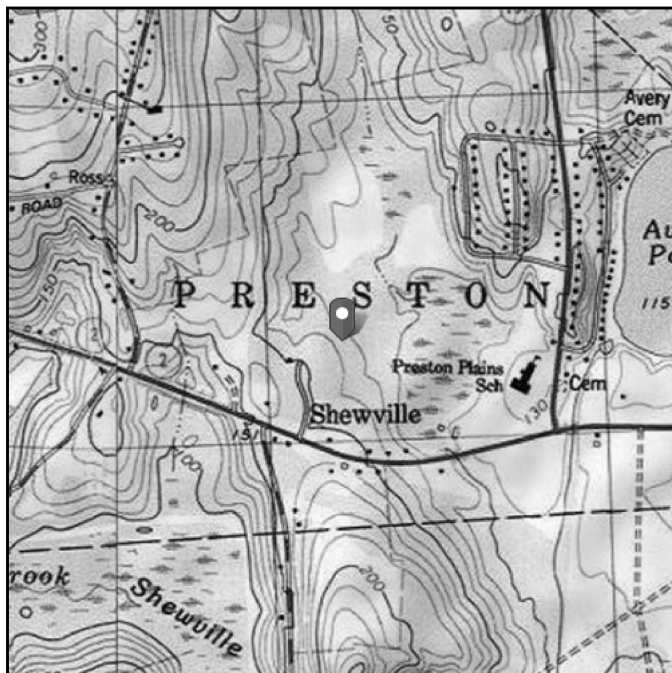
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ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 134.57 ft (NAVD 88)
Latitude: 41.490347
Longitude: -71.991542



Wind

Results:

Wind Speed:	133 Vmph
10-year MRI	79 Vmph
25-year MRI	89 Vmph
50-year MRI	99 Vmph
100-year MRI	108 Vmph

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

Date Accessed: Fri Apr 26 2019

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

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

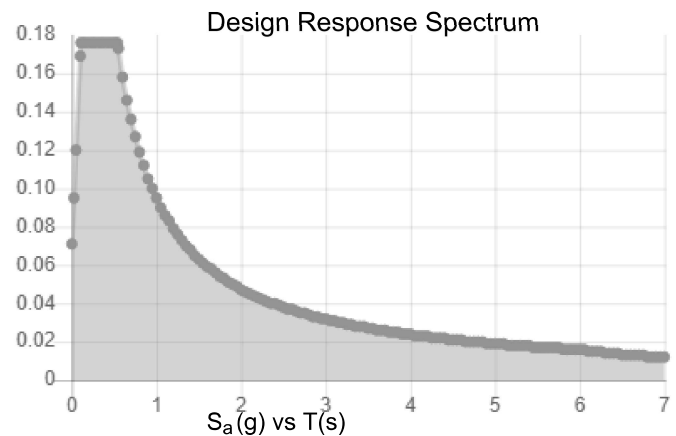
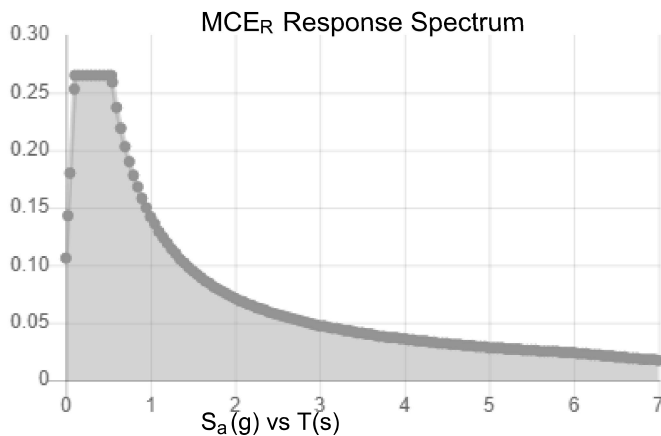
Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

Site Soil Class: D - Stiff Soil

Results:

S_s :	0.165	S_{DS} :	0.176
S_1 :	0.059	S_{D1} :	0.095
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.083
S_{MS} :	0.265	PGA _M :	0.132
S_{M1} :	0.142	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Fri Apr 26 2019

Date Source:

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

Ice

Results:

Ice Thickness: 0.75 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

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

Date Accessed: Fri Apr 26 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.

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

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

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

Exhibit D

Mount Analysis

Date: **July 15, 2020**

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



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

Subject: Mount Modification Analysis Report

Carrier Designation: AT&T Mobility
Carrier Site ID: 26059
Carrier Site Name: CT5721
PACE Number: MRCTB047157
FA Number: 10071209

Crown Castle Designation: Crown Castle BU Number: 876360
Crown Castle Site Name: PRESTON / TOWN HALL
Crown Castle JDE Job Number: 605415
Crown Castle Order Number: 517089 Rev. 2

Engineering Firm Designation: POD Report Designation: 20-66863

Site Data: 389 Rt. 2, Preston, New London County, CT, 06365
Latitude 41°29'25.25" Longitude -71°59'29.55"

Structure Information: Tower Height & Type: 147 ft Monopole
Mount Elevation: 118 ft
Mount Type: 12.5 ft Platform with Support Rails

Dear Darcy Tarr,

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

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

12.5 ft Platform with Support Rails (Multiple Sectors)

Sufficient*

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

The analysis has been performed in accordance with the TIA-222-H Standard based upon an ultimate 3-second gust wind speed of 126 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Nathan Gilkerson

Respectfully submitted by:

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



7/15/2020

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Mount Modification Design Drawings

1) INTRODUCTION

This mount is an existing 12.5 ft Low Profile Platform. This mount is installed at the 118 ft elevation of the 147 ft Monopole.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	126 mph
Exposure Category:	C
Topographic Factor at Base:	1
Topographic Factor at Mount:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.190
Seismic S_1:	0.053
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
116	118	3	Powerwave	RA21.7770.00	12.5 ft Low Profile Platform	1
		3	CCI Antennas	DMP65R-BU8D		
		3	CCI Antennas	OPA65R-BU8D		
		6	Powerwave	LGP21401		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 8843 B2/B66A		
		2	Raycap	DC6-48-60-18-8F		

Notes:

- 1) Mount Centerline adjusted based on site photographs

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Application	-	Crown Application #: 517089 Rev. 0 Dated: 06/23/2020	Crown
RFDS	-	AT&T Mobility RFDS Name: CT5721 Dated: 03/10/2020	Crown
Previous Mount Analysis	-	POD Project #: 20-65926 Dated: 06/29/2020	POD
Support Rail Specification Sheet	-	SitePro1 Part #: HRK12-3D Dated: 04/07/2015	SitePro1
Mount Modification Design Drawings	-	POD Project #: 20-66863 Dated: 07/15/2020	POD

3.1) Analysis Method

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

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

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (12.5 ft Low Profile Platform)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
	Support	SUP1B	116	18.1	Pass
	Standoff	SO1	116	50.2	Pass
	Rail Corner	RC3	116	67.0	Pass
	Rail	RAIL2	116	28.2	Pass
	Corner Plate	PLATECORNER2B	116	68.7	Pass
	Plate	PLATE1	116	76.5	Pass
	Pipe	PIPE3	116	19.8	Pass
	Mount Pipe	MP ALPHA3	116	69.1	Pass
	Face	FACEBOT1	116	23.4	Pass
	Corner	CR1B	116	27.0	Pass
1	Flange Plate	-	-	45.7	Pass
	Flange Bolts	-	-	17.1	Pass

Structure Rating (max from all components) =	76.5%
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Notes:

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

4.1) Recommendations

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

1. Support rail kit, SitePro1 Part #: HRK12-3D
2. Mount Pipes, (2) Proposed 8 ft P2 Std per sector.

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

Table 4 – AT&T Specification

Wind Speed (mph)	Ice Thickness (in)	Height (ft)	Exposure	Class	Topo	# of Pipes	Allowable EPA per Pipe (ft sq.)	Allowable Weight per Sector (lbs)
126	0	116	C	II	1	4	12.7	2000

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.

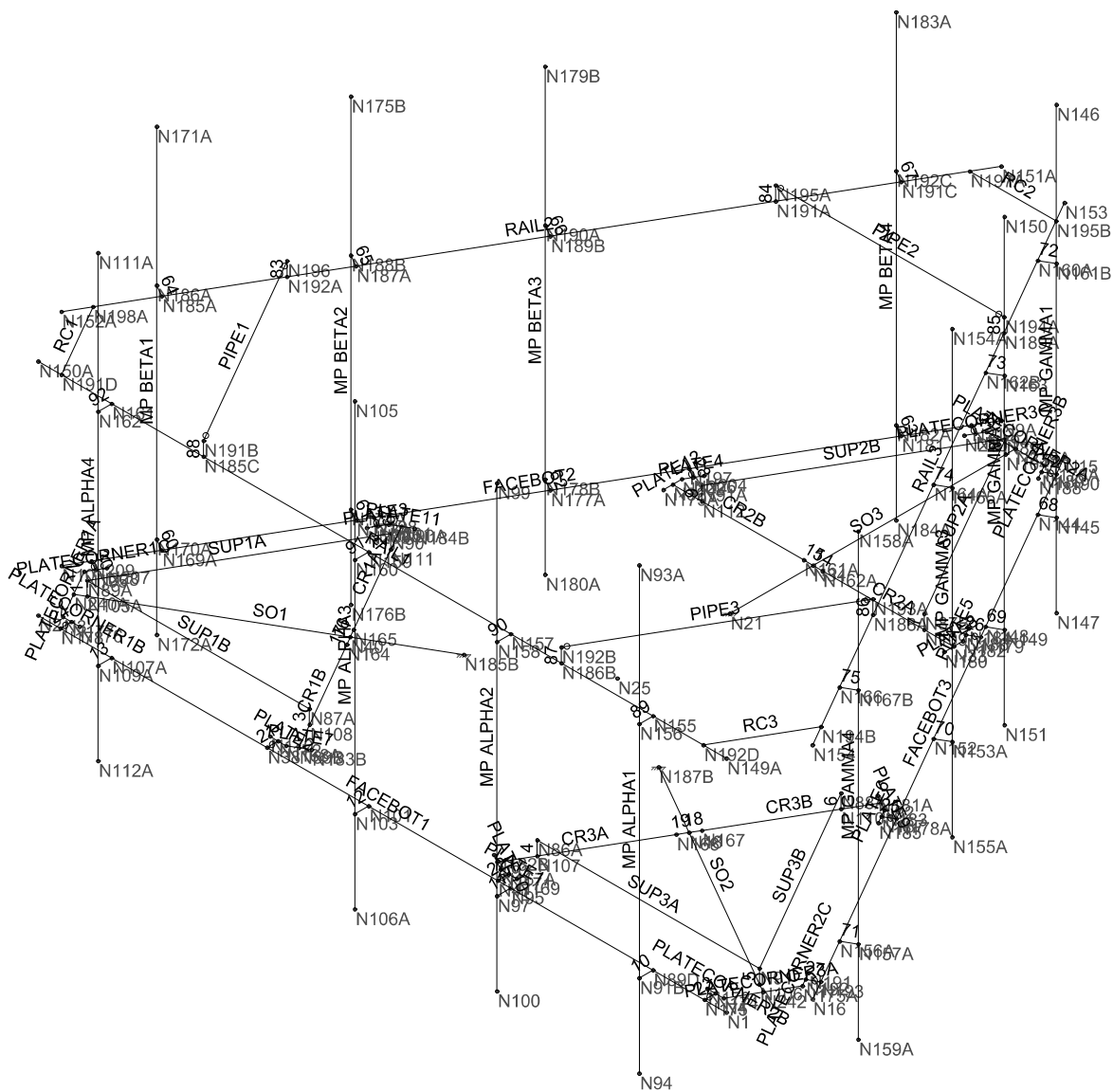
It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

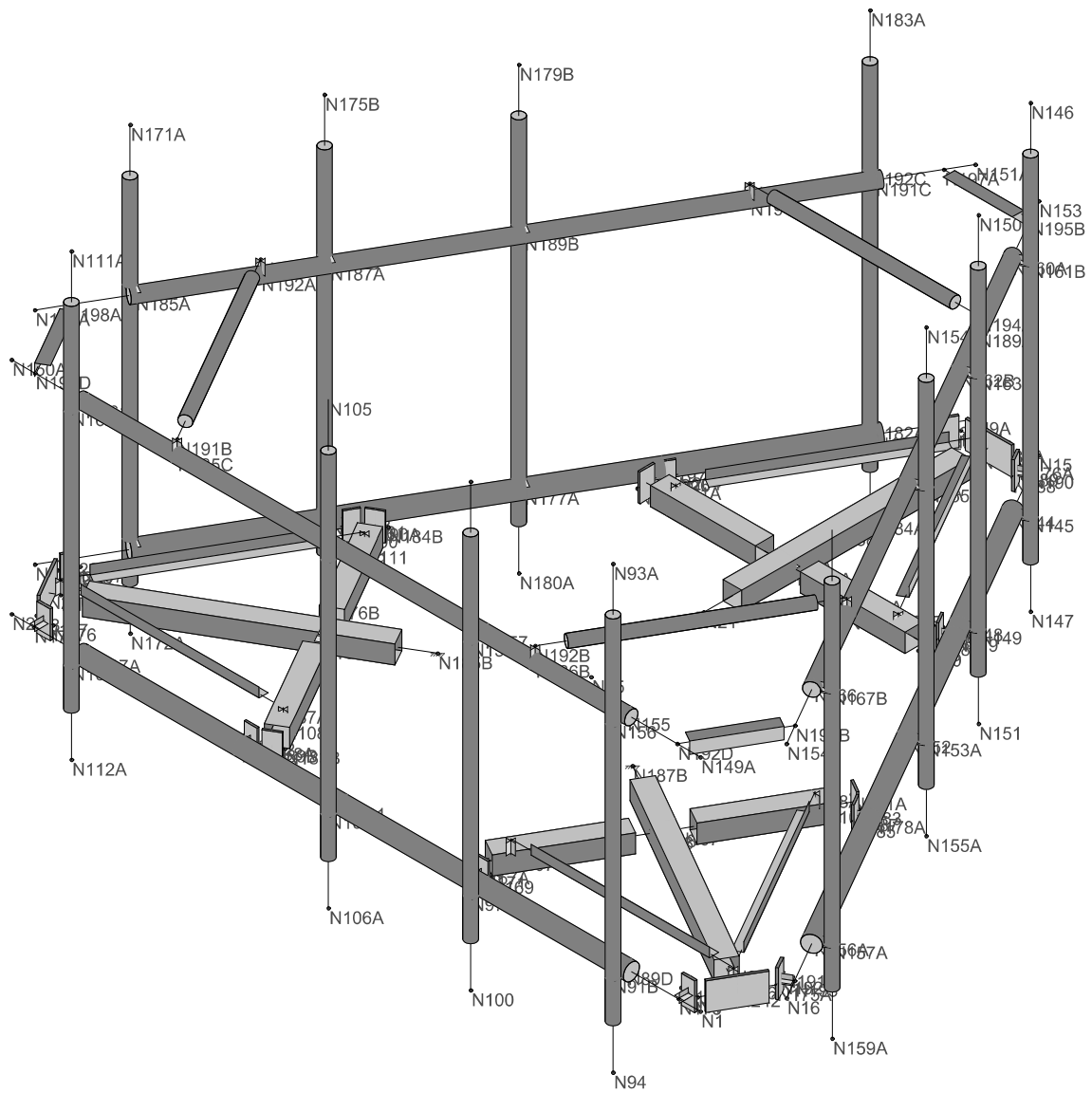
The attached sketches are a schematic representation of the analyzed structure. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions, proper fit, and clearance in the field. Any mentions of structural modifications are reasonable 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.

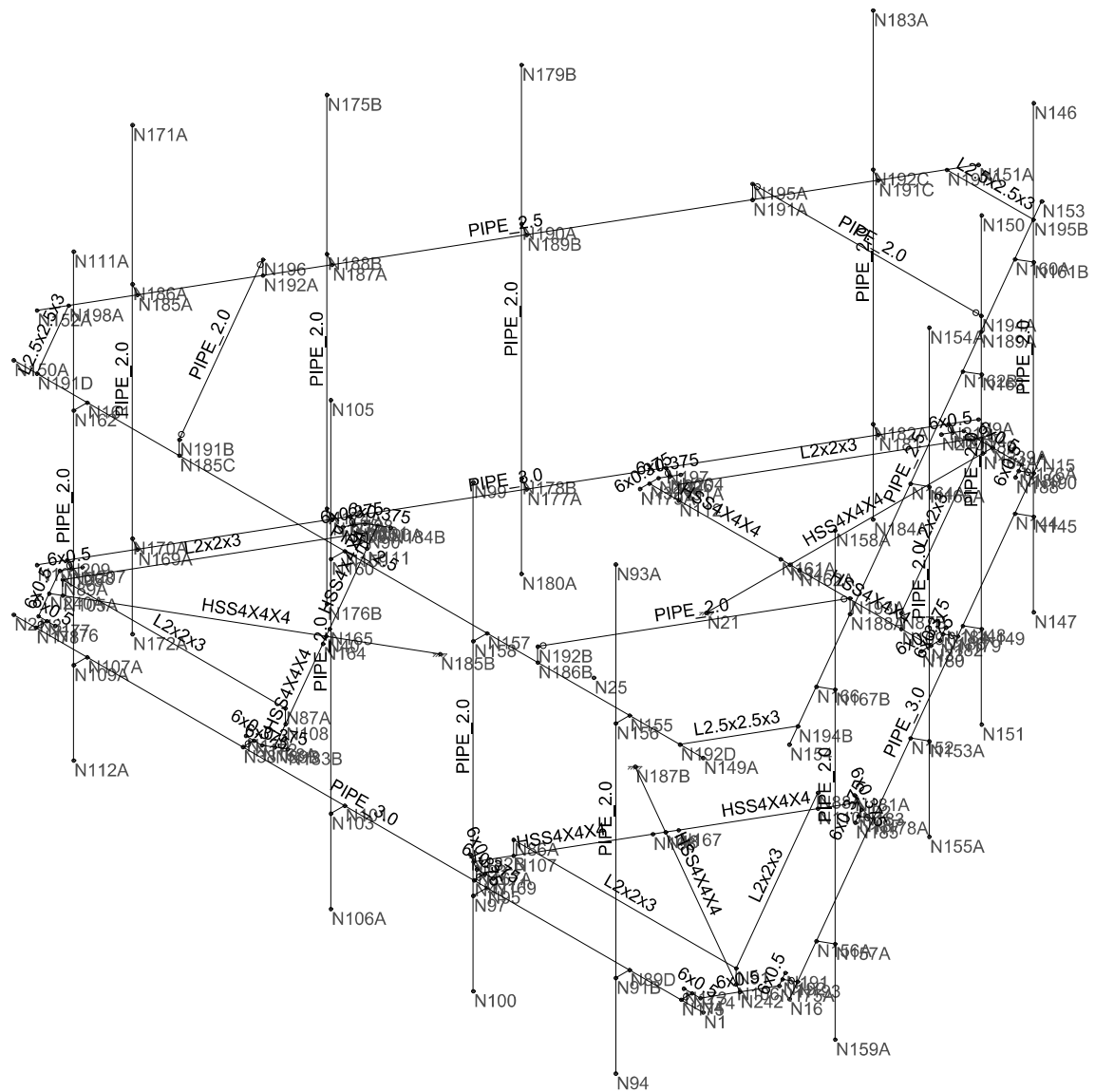
POD Group makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this structure. POD Group will not be responsible whatsoever, for or on account of, consequential or incidental damages sustained by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

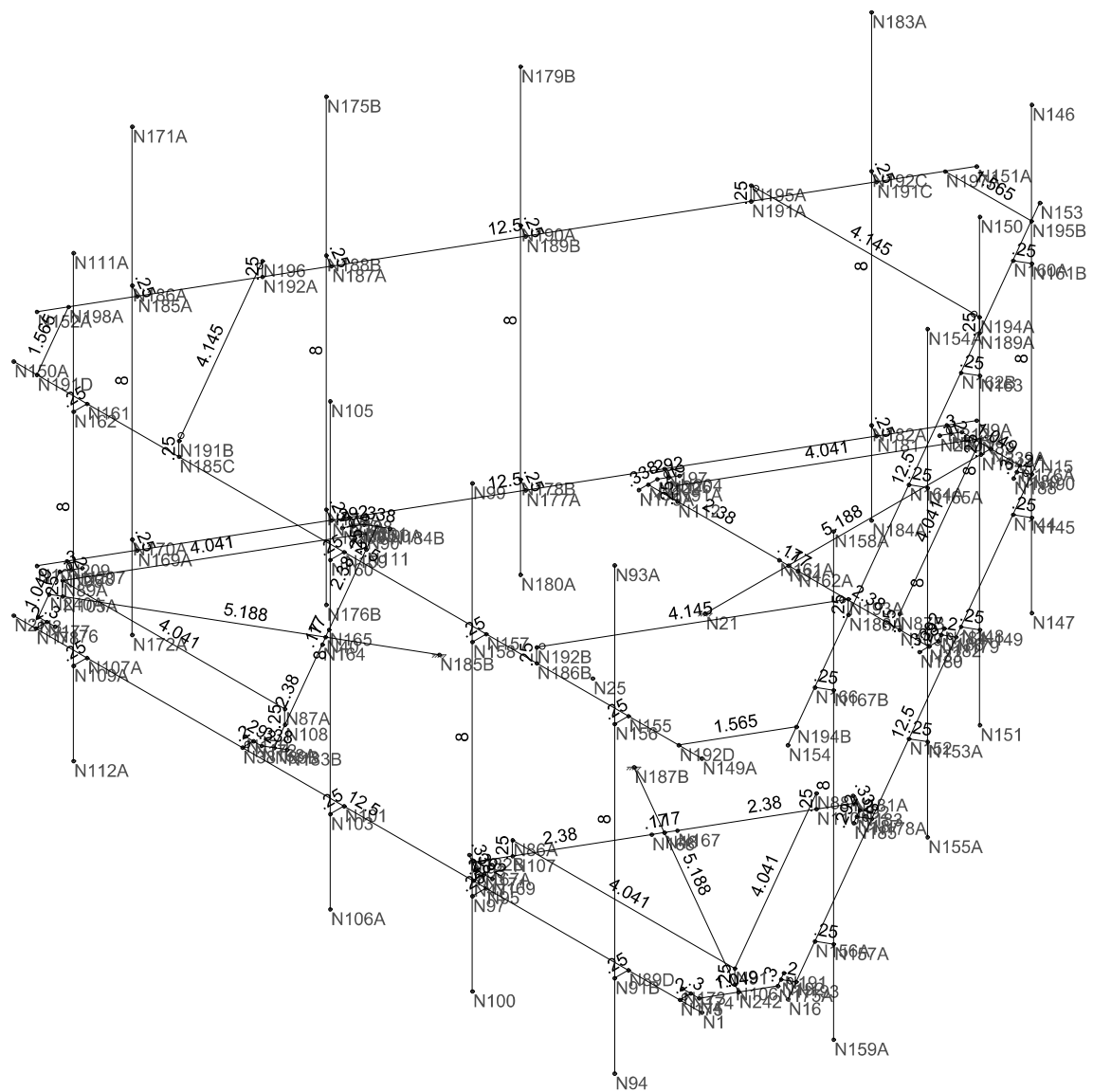
APPENDIX A

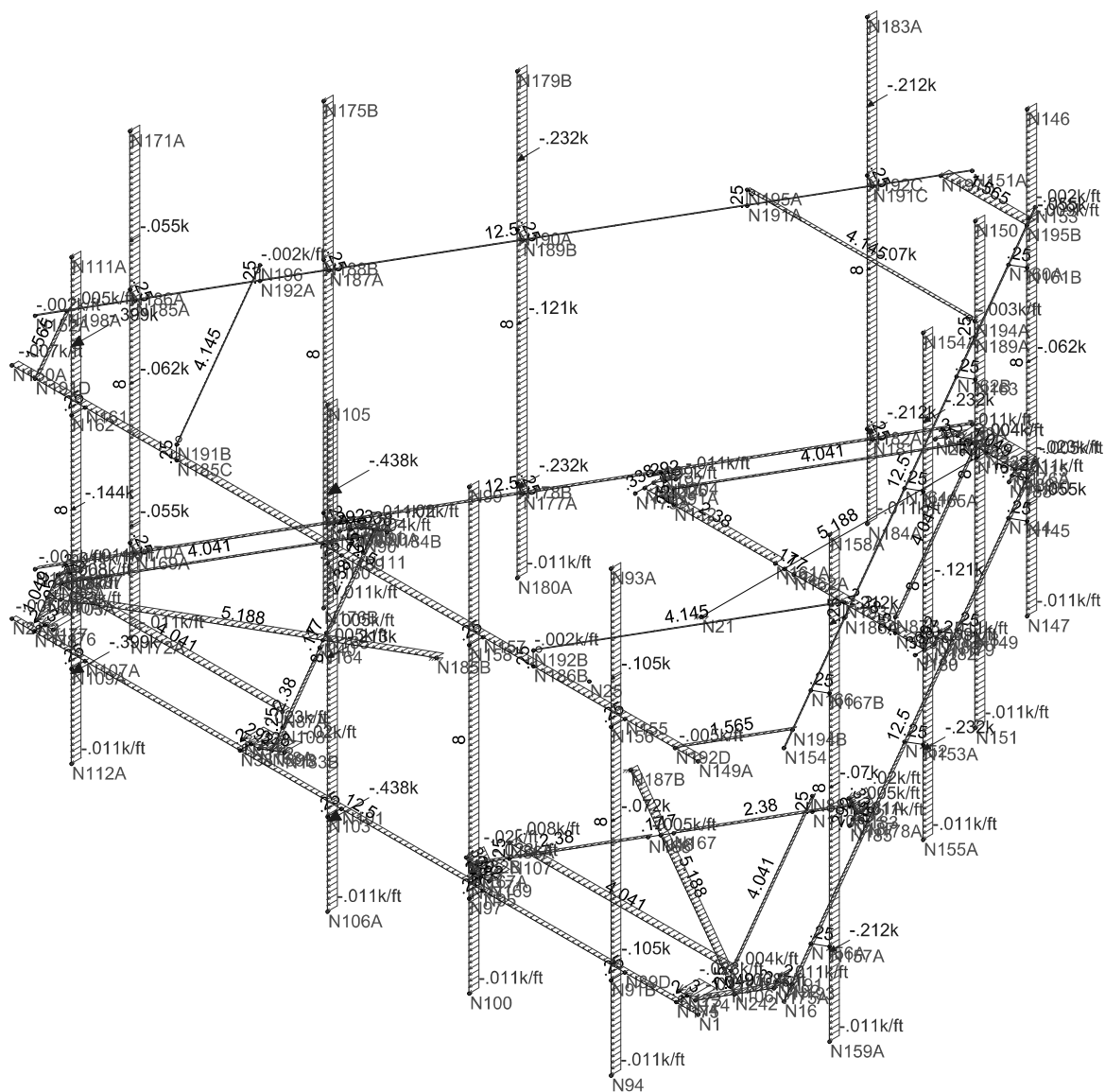
Wire Frame and Rendered Models











Member Length (ft) Displayed
Loads: BLC 2, Wind Load (0)

APPENDIX B

Software Input Calculations



POD Job # 20-66863
Site Number 876360
Site Name PRESTON / TOWN HALL

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1
V (Wind Speed)	126	II(ce)	1	Sms	0.304
Zs	147			Sml	0.127
II	1	Ss	0.19	Sds	0.203
VI	50	S1	0.053	Sd1	0.085
Kzt	1	Soil Site Class	D (assumed)	Seismic Design Category	B
Exposure	C	Fa	1.600	Seismic Analysis Not Required	
zg	900	Fv	2.400	R	2 TIA-222-H 16.7
z	9.5	Tower Type	Monopole	As	1 TIA-222-H 16.7
Kmin	0.85	Tower Height	147	Cs, Min	0.03 TIA-222-H 2.7.7.1.1
G _w	1			Cs	0.101333333 TIA-222-H 2.7.7.1.1
Ke	0.99				
K _o	0.95				
K _s	0.9				

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
RAZ1-7770-00			118	4	54		A/B/C	1	1
DMP65R-BURD			118	4	62		A/B/C	1	4
OPA65R-BURD			118	4	62		A/B/C	1	3
LGP21401			118	4			A/B/C	2	1
RRUS 4449 B5/B12			118	4			A/B/C	1	4
RRUS 4475 B14			118	4			A/B/C	1	3
RRUS 8843 B2/B66A			118	4			A/B/C	1	3
DC6-48-60-18-8F			118	4			A	1	3
									4

Mount Information

Elevation (ft)	118	Grating Thickness (in)	1
K _v	1.31	Grating ice Weight (K/ft ²)	0.014
K _{iz}	1.14		
tz	1.14		

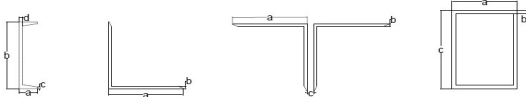
Mount Pipes	Length (ft)	Width (in)	Centerline
	8	2.375	118

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
Face off	12.5	3.5	No	
Face on	12.5	3.5	Yes	2
Rail on	12.5	2.8	No	1
Rail off	12.5	2.8	Yes	2
Pipe	4.2	2.375	No	3

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
Standoff	5.188	4	Square HSS		4	0.25	4	No	3
Corner	2.38	4	Square HSS		4	0.25	4	No	6
Plate	0.338	6	Channel	0.375	6	0	0.375	No	12
Corner Plate	1.049	6	Channel	0.5	6	0	0.5	No	9
Grating Support	4.041	2	Angle	2	0.1875			No	6
RC	2.1	2.5	Angle	2.5	0.1875			No	3



Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft ²)	(EPA) _w (ft ⁻¹)	(EPA) _v (ft ⁻¹)	Wind Force (Kips)				
									Front	Side	Alpha	Beta	Gamma
RA21.7770.00	63.0	11.0	5.0	40.0	1.31	50.33	4.19	1.52	0.211	0.077	0.177	0.177	0.077
DMP6SR-BU8D	96.0	20.7	7.7	105.6	1.31	50.33	15.86	5.95	0.798	0.299	0.674	0.674	0.299
OPA6SR-BU8D	96.0	21.0	7.8	76.5	1.31	50.33	17.42	6.48	0.877	0.326	0.739	0.739	0.326
LGP21401	14.2	6.7	5.4	22.0	1.31	50.33	0.71	0.58	0.036	0.029	0.034	0.034	0.029
RRUS 4449 B5/B12	17.9	13.2	9.4	71.0	1.31	50.33	1.77	1.27	0.089	0.064	0.083	0.083	0.064
RRUS 4478 B14	16.5	13.4	7.7	59.9	1.31	50.33	1.66	0.95	0.083	0.048	0.075	0.075	0.048
RRUS 8843 B2/B66A	14.9	13.2	10.9	72.0	1.31	50.33	1.48	1.22	0.074	0.061	0.071	0.071	0.061
DC6-48-60-18-8F	31.3	11.0	11.0	32.8	1.31	50.33	1.09	1.21	0.055	0.061	0.056	0.056	0.061

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft ²)	(EPA) _w (ft ⁻¹)	(EPA) _v (ft ⁻¹)	Wind Force (Kips)				
										Front	Side	Alpha	Beta	Gamma
RA21.7770.00	1.14	65.27	13.27	7.27	91.85	1.14	7.93	4.71	2.23	0.037	0.018	0.032	0.032	0.018
DMP6SR-BU8D	1.14	98.27	22.97	9.97	235.65	1.14	7.93	16.22	7.09	0.129	0.056	0.110	0.110	0.056
OPA6SR-BU8D	1.14	98.27	23.27	10.07	236.86	1.14	7.93	17.78	7.70	0.141	0.061	0.121	0.121	0.061
LGP21401	1.14	16.47	8.97	7.67	20.09	1.14	7.93	0.65	0.55	0.005	0.004	0.005	0.005	0.004
RRUS 4449 B5/B12	1.14	20.17	15.46	11.71	46.15	1.14	7.93	1.37	1.04	0.011	0.008	0.010	0.010	0.008
RRUS 4478 B14	1.14	18.77	15.67	9.97	39.90	1.14	7.93	1.29	0.82	0.010	0.007	0.009	0.009	0.007
RRUS 8843 B2/B66A	1.14	17.17	15.47	13.17	43.93	1.14	7.93	1.16	0.99	0.009	0.008	0.009	0.009	0.008
DC6-48-60-18-8F	1.14	33.52	13.27	13.27	68.81	1.14	7.93	1.95	1.95	0.015	0.015	0.015	0.015	0.015

Round Members

Member	q _w (lb/ft ²)	A _r	C	Wind Calculations				EPA (ft ¹)	Load (k/ft)	Ice Calculations					
				R _r	C _f	Width (in)	Weight (k/ft)			q _i (lb/ft ²)	A _{rice}	R _{ice}	C _f	EPA (ft ¹)	Load (k/ft)
Face off	50.33	3.65	41.01	0.58	1.20	2.29	0.005	5.77	0.01	7.93	6.01	0.65	1.20	4.20	0.001
Face on	50.33	7.29	41.01	0.58	1.20	2.29	0.009	5.77	0.01	7.93	12.02	0.65	1.20	4.20	0.003
Rail on	50.33	2.92	32.80	0.59	1.20	1.85	0.004	5.07	0.01	7.93	5.28	0.65	1.20	3.69	0.001
Rail off	50.33	5.83	32.80	0.59	1.20	1.85	0.007	5.07	0.01	7.93	10.57	0.65	1.20	3.69	0.002
Pipe	50.33	2.49	27.82	0.59	1.20	0.53	0.003	4.65	0.00	7.93	4.88	0.65	1.20	1.14	0.001

Flat Members

Member	q _w (lb/ft ²)	A _f	C _f	Wind Calculations			EPA	Load (k/ft)	Ice Calculations					
				EPA	Width (in)	Weight (k/ft)			q _i (lb/ft ²)	A _{ice}	R _{ice}	C _f	EPA	Load (k/ft)
Standoff	50.33	5.19	1.25	1.95	0.009	6.27	0.01	7.93	8.13	0.65	1.25	1.97	0.002	
Corner	50.33	4.76	1.25	0.89	0.009	6.27	0.01	7.93	7.46	0.65	1.25	0.91	0.002	
Plate	50.33	2.03	2.00	0.30	0.023	8.27	0.01	7.93	2.80	0.65	2.00	0.27	0.003	
Corner Plate	50.33	4.72	2.00	0.94	0.023	8.27	0.01	7.93	6.51	0.65	2.00	0.84	0.003	
Grating Support	50.33	4.04	2.00	1.21	0.008	4.27	0.01	7.93	8.63	0.65	2.00	1.68	0.002	
RC	50.33	1.31	2.00	0.79	0.009	4.77	0.01	7.93	2.51	0.65	2.00	0.97	0.002	

Appurtenance Seismic Calculations

Model	Weight	Sds	p	Cs	As	Ev	Eh
RA21.7770.00	40.0	0.203	1.000	0.101	1.000	0.002	0.004
DMP6SR-BU8D	105.6	0.203	1.000	0.101	1.000	0.004	0.011
OPA6SR-BU8D	76.5	0.203	1.000	0.101	1.000	0.003	0.008
LGP21401	22.0	0.203	1.000	0.101	1.000	0.001	0.002
RRUS 4449 B5/B12	71.0	0.203	1.000	0.101	1.000	0.003	0.007
RRUS 4478 B14	59.9	0.203	1.000	0.101	1.000	0.002	0.006
RRUS 8843 B2/B66A	72.0	0.203	1.000	0.101	1.000	0.003	0.007
DC6-48-60-18-8F	32.8	0.203	1.000	0.101	1.000	0.001	0.003

APPENDIX C

Software Analysis Output

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design...
1	SUP3B	N91	N88A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
2	SUP3A	N86A	N91			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
3	SUP2B	N89	N91A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
4	SUP2A	N89	N87B		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
5	SUP1B	N89A	N87A			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
6	SUP1A	N90	N89A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
7	SO3	N239A	N21			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
8	SO2	N242	N187B			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
9	SO1	N240A	N185B			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
10	RC3	N192D	N194B		270	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
11	RC2	N195B	N197A		90	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
12	RC1	N198A	N191D		270	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
13	RAIL3	N153	N154			PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical
14	RAIL2	N152A	N151A			PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical
15	RAIL1	N150A	N149A			PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical
16	PLATECORN...	N194	N210		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
17	PLATECORN...	N188	N176A		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
18	PLATECORN...	N4	N175A		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
19	PLATECORN...	N175A	N191		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
20	PLATECORN...	N173	N4		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
21	PLATECORN...	N176A	N194		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
22	PLATECORN...	N207	N195		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
23	PLATECORN...	N3	N176		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
24	PLATECORN...	N195	N3		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
25	PLATE12	N179A	N202		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
26	PLATE11	N184B	N201		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
27	PLATE10	N182B	N167A		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
28	PLATE9	N181A	N183		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
29	PLATE8	N180	N182		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
30	PLATE7	N183B	N168A		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
31	PLATE6	N185	N183		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
32	PLATE5	N182	N184		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
33	PLATE4	N204	N202		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
34	PLATE3	N201	N203		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
35	PLATE2	N170	N168A		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
36	PLATE1	N167A	N169		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
37	PIPE3	N192B	N193A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
38	PIPE2	N194A	N195A		180	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
39	PIPE1	N196	N191B			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
40	MP GAMMA4	N159A	N158A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
41	MP GAMMA3	N155A	N154A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
42	MP GAMMA2	N151	N150			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
43	MP GAMMA1	N147	N146			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
44	MP BETA4	N184A	N183A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
45	MP BETA3	N180A	N179B			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
46	MP BETA2	N176B	N175B			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
47	MP BETA1	N172A	N171A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
48	MP ALPHA4	N112A	N111A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
49	MP ALPHA3	N106A	N105			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
50	MP ALPHA2	N100	N99			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
51	MP ALPHA1	N94	N93A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
52	FACEBOT3	N15	N16			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
53	FACEBOT2	N10	N9A			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
54	FACEBOT1	N2	N1			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
55	CR3B	N92	N167			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
56	CR3A	N168	N93			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design...
57	CR2B	N32	N161A			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
58	CR2A	N33	N162A			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
59	CR1B	N164	N89B			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
60	CR1A	N165	N90A			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
61	92	N161	N162			RIGID	None	None	RIGID	Typical
62	91	N159	N160			RIGID	None	None	RIGID	Typical
63	90	N157	N158			RIGID	None	None	RIGID	Typical
64	89	N155	N156			RIGID	None	None	RIGID	Typical
65	88	N185C	N191B			RIGID	None	None	RIGID	Typical
66	87	N186B	N192B			RIGID	None	None	RIGID	Typical
67	86	N188A	N193A			RIGID	None	None	RIGID	Typical
68	85	N189A	N194A			RIGID	None	None	RIGID	Typical
69	84	N191A	N195A			RIGID	None	None	RIGID	Typical
70	83	N192A	N196			RIGID	None	None	RIGID	Typical
71	75	N166	N167B			RIGID	None	None	RIGID	Typical
72	74	N164A	N165A			RIGID	None	None	RIGID	Typical
73	73	N162B	N163			RIGID	None	None	RIGID	Typical
74	72	N160A	N161B			RIGID	None	None	RIGID	Typical
75	71	N156A	N157A			RIGID	None	None	RIGID	Typical
76	70	N152	N153A			RIGID	None	None	RIGID	Typical
77	69	N148	N149			RIGID	None	None	RIGID	Typical
78	68	N144	N145			RIGID	None	None	RIGID	Typical
79	67	N191C	N192C			RIGID	None	None	RIGID	Typical
80	66	N189B	N190A			RIGID	None	None	RIGID	Typical
81	65	N187A	N188B			RIGID	None	None	RIGID	Typical
82	64	N185A	N186A			RIGID	None	None	RIGID	Typical
83	63	N181	N182A			RIGID	None	None	RIGID	Typical
84	62	N177A	N178B			RIGID	None	None	RIGID	Typical
85	61	N173A	N174A			RIGID	None	None	RIGID	Typical
86	60	N169A	N170A			RIGID	None	None	RIGID	Typical
87	52	N189	N190			RIGID	None	None	RIGID	Typical
88	31	N211	N212			RIGID	None	None	RIGID	Typical
89	30	N208	N209			RIGID	None	None	RIGID	Typical
90	29	N205	N198			RIGID	None	None	RIGID	Typical
91	28	N206	N197			RIGID	None	None	RIGID	Typical
92	27	N192	N193			RIGID	None	None	RIGID	Typical
93	26	N186	N179			RIGID	None	None	RIGID	Typical
94	25	N187	N178A			RIGID	None	None	RIGID	Typical
95	24	N177	N178			RIGID	None	None	RIGID	Typical
96	23	N174	N175			RIGID	None	None	RIGID	Typical
97	22	N171	N47			RIGID	None	None	RIGID	Typical
98	21	N172	N38			RIGID	None	None	RIGID	Typical
99	19	N48	N168			RIGID	None	None	RIGID	Typical
100	18	N167	N48			RIGID	None	None	RIGID	Typical
101	17	N164	N40			RIGID	None	None	RIGID	Typical
102	16	N165	N40			RIGID	None	None	RIGID	Typical
103	15	N34	N161A			RIGID	None	None	RIGID	Typical
104	14	N34	N162A			RIGID	None	None	RIGID	Typical
105	13	N107A	N109A			RIGID	None	None	RIGID	Typical
106	12	N101	N103			RIGID	None	None	RIGID	Typical
107	11	N95	N97			RIGID	None	None	RIGID	Typical
108	10	N89D	N91B			RIGID	None	None	RIGID	Typical
109	9	N112	N91A			RIGID	None	None	RIGID	Typical
110	8	N104A	N89			RIGID	None	None	RIGID	Typical
111	7	N109	N87B			RIGID	None	None	RIGID	Typical
112	6	N110	N88A			RIGID	None	None	RIGID	Typical
113	5	N106	N91			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design...
114	4	N107	N86A			RIGID	None	None	RIGID	Typical
115	3	N108	N87A			RIGID	None	None	RIGID	Typical
116	2	N111	N90			RIGID	None	None	RIGID	Typical
117	1	N105A	N89A			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	SUP3B						Yes				None
2	SUP3A						Yes				None
3	SUP2B						Yes				None
4	SUP2A						Yes				None
5	SUP1B						Yes				None
6	SUP1A						Yes				None
7	SO3						Yes				None
8	SO2						Yes				None
9	SO1						Yes				None
10	RC3						Yes	Default			None
11	RC2						Yes	Default			None
12	RC1						Yes	Default			None
13	RAIL3						Yes				None
14	RAIL2						Yes				None
15	RAIL1						Yes				None
16	PLATECO...						Yes				None
17	PLATECO...						Yes				None
18	PLATECO...						Yes				None
19	PLATECO...						Yes				None
20	PLATECO...						Yes				None
21	PLATECO...						Yes				None
22	PLATECO...						Yes				None
23	PLATECO...						Yes				None
24	PLATECO...						Yes				None
25	PLATE12						Yes				None
26	PLATE11						Yes				None
27	PLATE10						Yes				None
28	PLATE9						Yes				None
29	PLATE8						Yes				None
30	PLATE7						Yes				None
31	PLATE6						Yes				None
32	PLATE5						Yes				None
33	PLATE4						Yes				None
34	PLATE3						Yes				None
35	PLATE2						Yes				None
36	PLATE1						Yes				None
37	PIPE3	BenPIN	BenPIN				Yes	Default			None
38	PIPE2	BenPIN	BenPIN				Yes	Default			None
39	PIPE1	BenPIN	BenPIN				Yes	Default			None
40	MP GAMM...						Yes				None
41	MP GAMM...						Yes				None
42	MP GAMM...						Yes				None
43	MP GAMM...						Yes				None
44	MP BETA4						Yes				None
45	MP BETA3						Yes				None
46	MP BETA2						Yes				None
47	MP BETA1						Yes				None
48	MP ALPHA4						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
49	MP ALPHA3						Yes				None
50	MP ALPHA2						Yes				None
51	MP ALPHA1						Yes				None
52	FACEBOT3						Yes				None
53	FACEBOT2						Yes				None
54	FACEBOT1						Yes				None
55	CR3B						Yes				None
56	CR3A						Yes				None
57	CR2B						Yes				None
58	CR2A						Yes				None
59	CR1B						Yes				None
60	CR1A						Yes				None
61	92						Yes	** NA **			None
62	91						Yes	** NA **			None
63	90						Yes	** NA **			None
64	89						Yes	** NA **			None
65	88						Yes	** NA **			None
66	87						Yes	** NA **			None
67	86						Yes	** NA **			None
68	85						Yes	** NA **			None
69	84						Yes	** NA **			None
70	83						Yes	** NA **			None
71	75						Yes	** NA **			None
72	74						Yes	** NA **			None
73	73						Yes	** NA **			None
74	72						Yes	** NA **			None
75	71						Yes	** NA **			None
76	70						Yes	** NA **			None
77	69						Yes	** NA **			None
78	68						Yes	** NA **			None
79	67						Yes	** NA **			None
80	66						Yes	** NA **			None
81	65						Yes	** NA **			None
82	64						Yes	** NA **			None
83	63						Yes	** NA **			None
84	62						Yes	** NA **			None
85	61						Yes	** NA **			None
86	60						Yes	** NA **			None
87	52		OOOXOO				Yes	** NA **			None
88	31		OOOXOO				Yes	** NA **			None
89	30		OOOXOO				Yes	** NA **			None
90	29		OOOXOO				Yes	** NA **			None
91	28		OOOXOO				Yes	** NA **			None
92	27		OOOXOO				Yes	** NA **			None
93	26		OOOXOO				Yes	** NA **			None
94	25		OOOXOO				Yes	** NA **			None
95	24		OOOXOO				Yes	** NA **			None
96	23		OOOXOO				Yes	** NA **			None
97	22		OOOXOO				Yes	** NA **			None
98	21		OOOXOO				Yes	** NA **			None
99	19						Yes	** NA **			None
100	18						Yes	** NA **			None
101	17						Yes	** NA **			None
102	16						Yes	** NA **			None
103	15						Yes	** NA **			None
104	14						Yes	** NA **			None
105	13						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
106	12						Yes	** NA **			None
107	11						Yes	** NA **			None
108	10						Yes	** NA **			None
109	9						Yes	** NA **			None
110	8						Yes	** NA **			None
111	7						Yes	** NA **			None
112	6						Yes	** NA **			None
113	5						Yes	** NA **			None
114	4						Yes	** NA **			None
115	3						Yes	** NA **			None
116	2						Yes	** NA **			None
117	1						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Funct...
1	SUP3B	L2x2x3	4.041			Lbyy						Lateral
2	SUP3A	L2x2x3	4.041			Lbyy						Lateral
3	SUP2B	L2x2x3	4.041			Lbyy						Lateral
4	SUP2A	L2x2x3	4.041			Lbyy						Lateral
5	SUP1B	L2x2x3	4.041			Lbyy						Lateral
6	SUP1A	L2x2x3	4.041			Lbyy						Lateral
7	SO3	HSS4X4X4	5.188			Lbyy						Lateral
8	SO2	HSS4X4X4	5.188			Lbyy						Lateral
9	SO1	HSS4X4X4	5.188			Lbyy						Lateral
10	RC3	L2.5x2.5x3	1.565			Lbyy						Lateral
11	RC2	L2.5x2.5x3	1.565			Lbyy						Lateral
12	RC1	L2.5x2.5x3	1.565			Lbyy						Lateral
13	RAIL3	PIPE 2.5	12.5			Lbyy						Lateral
14	RAIL2	PIPE 2.5	12.5			Lbyy						Lateral
15	RAIL1	PIPE 2.5	12.5			Lbyy						Lateral
16	PLATECORN...	6x0.5	.3			Lbyy						Lateral
17	PLATECORN...	6x0.5	.3			Lbyy						Lateral
18	PLATECORN...	6x0.5	1.049			Lbyy						Lateral
19	PLATECORN...	6x0.5	.3			Lbyy						Lateral
20	PLATECORN...	6x0.5	.3			Lbyy						Lateral
21	PLATECORN...	6x0.5	1.049			Lbyy						Lateral
22	PLATECORN...	6x0.5	.3			Lbyy						Lateral
23	PLATECORN...	6x0.5	.3			Lbyy						Lateral
24	PLATECORN...	6x0.5	1.049			Lbyy						Lateral
25	PLATE12	6x0.375	.338			Lbyy						Lateral
26	PLATE11	6x0.375	.338			Lbyy						Lateral
27	PLATE10	6x0.375	.338			Lbyy						Lateral
28	PLATE9	6x0.375	.338			Lbyy						Lateral
29	PLATE8	6x0.375	.338			Lbyy						Lateral
30	PLATE7	6x0.375	.338			Lbyy						Lateral
31	PLATE6	6x0.375	.292			Lbyy						Lateral
32	PLATE5	6x0.375	.292			Lbyy						Lateral
33	PLATE4	6x0.375	.292			Lbyy						Lateral
34	PLATE3	6x0.375	.292			Lbyy						Lateral
35	PLATE2	6x0.375	.292			Lbyy						Lateral
36	PLATE1	6x0.375	.292			Lbyy						Lateral
37	PIPE3	PIPE 2.0	4.145			Lbyy						Lateral
38	PIPE2	PIPE 2.0	4.145			Lbyy						Lateral
39	PIPE1	PIPE 2.0	4.145			Lbyy						Lateral
40	MP GAMMA4	PIPE 2.0	8			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[...]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Funct...
41	MP GAMMA3	PIPE 2.0	8			Lbyy						Lateral
42	MP GAMMA2	PIPE 2.0	8			Lbyy						Lateral
43	MP GAMMA1	PIPE 2.0	8			Lbyy						Lateral
44	MP BETA4	PIPE 2.0	8			Lbyy						Lateral
45	MP BETA3	PIPE 2.0	8			Lbyy						Lateral
46	MP BETA2	PIPE 2.0	8			Lbyy						Lateral
47	MP BETA1	PIPE 2.0	8			Lbyy						Lateral
48	MP ALPHA4	PIPE 2.0	8			Lbyy						Lateral
49	MP ALPHA3	PIPE 2.0	8			Lbyy						Lateral
50	MP ALPHA2	PIPE 2.0	8			Lbyy						Lateral
51	MP ALPHA1	PIPE 2.0	8			Lbyy						Lateral
52	FACEBOT3	PIPE 3.0	12.5			Lbyy						Lateral
53	FACEBOT2	PIPE 3.0	12.5			Lbyy						Lateral
54	FACEBOT1	PIPE 3.0	12.5			Lbyy						Lateral
55	CR3B	HSS4X4X4	2.38			Lbyy						Lateral
56	CR3A	HSS4X4X4	2.38			Lbyy						Lateral
57	CR2B	HSS4X4X4	2.38			Lbyy						Lateral
58	CR2A	HSS4X4X4	2.38			Lbyy						Lateral
59	CR1B	HSS4X4X4	2.38			Lbyy						Lateral
60	CR1A	HSS4X4X4	2.38			Lbyy						Lateral

Hot Rolled Steel Properties

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

Member Point Loads (BLC 1 : Live Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	RAIL1	Z	-.5	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.105	6.25
2	MP ALPHA1	Y	-.105	1.75
3	MP BETA1	Y	-.055	6.25
4	MP BETA1	Y	-.055	1.75
5	MP GAMMA1	Y	-.055	6.25
6	MP GAMMA1	Y	-.055	1.75
7	MP ALPHA4	Y	-.399	6.583
8	MP ALPHA4	Y	-.399	1.417
9	MP BETA4	Y	-.212	6.583
10	MP BETA4	Y	-.212	1.417
11	MP GAMMA4	Y	-.212	6.583
12	MP GAMMA4	Y	-.212	1.417
13	MP ALPHA3	Y	-.438	6.583
14	MP ALPHA3	Y	-.438	1.417
15	MP BETA3	Y	-.232	6.583
16	MP BETA3	Y	-.232	1.417

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP GAMMA3	Y	-.232	6.583
18	MP GAMMA3	Y	-.232	1.417
19	MP ALPHA1	Y	-.072	4
20	MP BETA1	Y	-.062	4
21	MP GAMMA1	Y	-.062	4
22	MP ALPHA4	Y	-.089	4
23	MP BETA4	Y	-.07	4
24	MP GAMMA4	Y	-.07	4
25	MP ALPHA3	Y	-.083	4
26	MP BETA3	Y	-.057	4
27	MP GAMMA3	Y	-.057	4
28	MP ALPHA3	Y	-.074	4
29	MP BETA3	Y	-.065	4
30	MP GAMMA3	Y	-.065	4
31	MP ALPHA3	Y	-.055	4
32	MP ALPHA4	Y	-.055	4

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.02	6.25
2	MP ALPHA1	Z	-.02	1.75
3	MP BETA1	Z	-.02	6.25
4	MP BETA1	Z	-.02	1.75
5	MP GAMMA1	Z	-.02	6.25
6	MP GAMMA1	Z	-.02	1.75
7	MP ALPHA4	Z	-.053	6.583
8	MP ALPHA4	Z	-.053	1.417
9	MP BETA4	Z	-.053	6.583
10	MP BETA4	Z	-.053	1.417
11	MP GAMMA4	Z	-.053	6.583
12	MP GAMMA4	Z	-.053	1.417
13	MP ALPHA3	Z	-.038	6.583
14	MP ALPHA3	Z	-.038	1.417
15	MP BETA3	Z	-.038	6.583
16	MP BETA3	Z	-.038	1.417
17	MP GAMMA3	Z	-.038	6.583
18	MP GAMMA3	Z	-.038	1.417
19	MP ALPHA1	Z	-.044	4
20	MP BETA1	Z	-.044	4
21	MP GAMMA1	Z	-.044	4
22	MP ALPHA4	Z	-.071	4
23	MP BETA4	Z	-.071	4
24	MP GAMMA4	Z	-.071	4
25	MP ALPHA3	Z	-.06	4
26	MP BETA3	Z	-.06	4
27	MP GAMMA3	Z	-.06	4
28	MP ALPHA3	Z	-.072	4
29	MP BETA3	Z	-.072	4
30	MP GAMMA3	Z	-.072	4
31	MP ALPHA3	Z	-.033	4
32	MP ALPHA4	Z	-.033	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.077	6.25
2	MP ALPHA1	Y	-.077	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
3	MP ALPHA1	X	-.044	6.25
4	MP ALPHA1	X	-.044	1.75
5	MP BETA1	Y	-.033	6.25
6	MP BETA1	Y	-.033	1.75
7	MP BETA1	X	-.019	6.25
8	MP BETA1	X	-.019	1.75
9	MP GAMMA1	Y	-.077	6.25
10	MP GAMMA1	Y	-.077	1.75
11	MP GAMMA1	X	-.044	6.25
12	MP GAMMA1	X	-.044	1.75
13	MP ALPHA4	Y	-.292	6.583
14	MP ALPHA4	Y	-.292	1.417
15	MP ALPHA4	X	-.168	6.583
16	MP ALPHA4	X	-.168	1.417
17	MP BETA4	Y	-.13	6.583
18	MP BETA4	Y	-.13	1.417
19	MP BETA4	X	-.075	6.583
20	MP BETA4	X	-.075	1.417
21	MP GAMMA4	Y	-.292	6.583
22	MP GAMMA4	Y	-.292	1.417
23	MP GAMMA4	X	-.168	6.583
24	MP GAMMA4	X	-.168	1.417
25	MP ALPHA3	Y	-.32	6.583
26	MP ALPHA3	Y	-.32	1.417
27	MP ALPHA3	X	-.185	6.583
28	MP ALPHA3	X	-.185	1.417
29	MP BETA3	Y	-.141	6.583
30	MP BETA3	Y	-.141	1.417
31	MP BETA3	X	-.082	6.583
32	MP BETA3	X	-.082	1.417
33	MP GAMMA3	Y	-.32	6.583
34	MP GAMMA3	Y	-.32	1.417
35	MP GAMMA3	X	-.185	6.583
36	MP GAMMA3	X	-.185	1.417
37	MP ALPHA1	Y	-.059	4
38	MP ALPHA1	X	-.034	4
39	MP BETA1	Y	-.05	4
40	MP BETA1	X	-.029	4
41	MP GAMMA1	Y	-.059	4
42	MP GAMMA1	X	-.034	4
43	MP ALPHA4	Y	-.072	4
44	MP ALPHA4	X	-.041	4
45	MP BETA4	Y	-.055	4
46	MP BETA4	X	-.032	4
47	MP GAMMA4	Y	-.072	4
48	MP GAMMA4	X	-.041	4
49	MP ALPHA3	Y	-.065	4
50	MP ALPHA3	X	-.037	4
51	MP BETA3	Y	-.042	4
52	MP BETA3	X	-.024	4
53	MP GAMMA3	Y	-.065	4
54	MP GAMMA3	X	-.037	4
55	MP ALPHA3	Y	-.061	4
56	MP ALPHA3	X	-.036	4
57	MP BETA3	Y	-.053	4
58	MP BETA3	X	-.031	4
59	MP GAMMA3	Y	-.061	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP GAMMA3	X	-.036	4
61	MP ALPHA3	Y	-.049	4
62	MP ALPHA3	X	-.028	4
63	MP ALPHA4	Y	-.049	4
64	MP ALPHA4	X	-.028	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.028	6.25
2	MP ALPHA1	Y	-.028	1.75
3	MP ALPHA1	X	-.048	6.25
4	MP ALPHA1	X	-.048	1.75
5	MP BETA1	Y	-.028	6.25
6	MP BETA1	Y	-.028	1.75
7	MP BETA1	X	-.048	6.25
8	MP BETA1	X	-.048	1.75
9	MP GAMMA1	Y	-.053	6.25
10	MP GAMMA1	Y	-.053	1.75
11	MP GAMMA1	X	-.091	6.25
12	MP GAMMA1	X	-.091	1.75
13	MP ALPHA4	Y	-.106	6.583
14	MP ALPHA4	Y	-.106	1.417
15	MP ALPHA4	X	-.184	6.583
16	MP ALPHA4	X	-.184	1.417
17	MP BETA4	Y	-.106	6.583
18	MP BETA4	Y	-.106	1.417
19	MP BETA4	X	-.184	6.583
20	MP BETA4	X	-.184	1.417
21	MP GAMMA4	Y	-.2	6.583
22	MP GAMMA4	Y	-.2	1.417
23	MP GAMMA4	X	-.346	6.583
24	MP GAMMA4	X	-.346	1.417
25	MP ALPHA3	Y	-.116	6.583
26	MP ALPHA3	Y	-.116	1.417
27	MP ALPHA3	X	-.201	6.583
28	MP ALPHA3	X	-.201	1.417
29	MP BETA3	Y	-.116	6.583
30	MP BETA3	Y	-.116	1.417
31	MP BETA3	X	-.201	6.583
32	MP BETA3	X	-.201	1.417
33	MP GAMMA3	Y	-.219	6.583
34	MP GAMMA3	Y	-.219	1.417
35	MP GAMMA3	X	-.38	6.583
36	MP GAMMA3	X	-.38	1.417
37	MP ALPHA1	Y	-.031	4
38	MP ALPHA1	X	-.053	4
39	MP BETA1	Y	-.031	4
40	MP BETA1	X	-.053	4
41	MP GAMMA1	Y	-.036	4
42	MP GAMMA1	X	-.062	4
43	MP ALPHA4	Y	-.035	4
44	MP ALPHA4	X	-.061	4
45	MP BETA4	Y	-.035	4
46	MP BETA4	X	-.061	4
47	MP GAMMA4	Y	-.045	4
48	MP GAMMA4	X	-.077	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
49	MP ALPHA3	Y	-.028	4
50	MP ALPHA3	X	-.049	4
51	MP BETA3	Y	-.028	4
52	MP BETA3	X	-.049	4
53	MP GAMMA3	Y	-.042	4
54	MP GAMMA3	X	-.072	4
55	MP ALPHA3	Y	-.032	4
56	MP ALPHA3	X	-.056	4
57	MP BETA3	Y	-.032	4
58	MP BETA3	X	-.056	4
59	MP GAMMA3	Y	-.037	4
60	MP GAMMA3	X	-.064	4
61	MP ALPHA3	Y	-.03	4
62	MP ALPHA3	X	-.051	4
63	MP ALPHA4	Y	-.03	4
64	MP ALPHA4	X	-.051	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.038	6.25
2	MP ALPHA1	X	-.038	1.75
3	MP BETA1	X	-.089	6.25
4	MP BETA1	X	-.089	1.75
5	MP GAMMA1	X	-.089	6.25
6	MP GAMMA1	X	-.089	1.75
7	MP ALPHA4	X	-.15	6.583
8	MP ALPHA4	X	-.15	1.417
9	MP BETA4	X	-.337	6.583
10	MP BETA4	X	-.337	1.417
11	MP GAMMA4	X	-.337	6.583
12	MP GAMMA4	X	-.337	1.417
13	MP ALPHA3	X	-.163	6.583
14	MP ALPHA3	X	-.163	1.417
15	MP BETA3	X	-.37	6.583
16	MP BETA3	X	-.37	1.417
17	MP GAMMA3	X	-.37	6.583
18	MP GAMMA3	X	-.37	1.417
19	MP ALPHA1	X	-.058	4
20	MP BETA1	X	-.068	4
21	MP GAMMA1	X	-.068	4
22	MP ALPHA4	X	-.064	4
23	MP BETA4	X	-.083	4
24	MP GAMMA4	X	-.083	4
25	MP ALPHA3	X	-.048	4
26	MP BETA3	X	-.075	4
27	MP GAMMA3	X	-.075	4
28	MP ALPHA3	X	-.061	4
29	MP BETA3	X	-.071	4
30	MP GAMMA3	X	-.071	4
31	MP ALPHA3	X	-.061	4
32	MP ALPHA4	X	-.061	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.028	6.25
2	MP ALPHA1	Y	.028	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
3	MP ALPHA1	X	-.048	6.25
4	MP ALPHA1	X	-.048	1.75
5	MP BETA1	Y	.053	6.25
6	MP BETA1	Y	.053	1.75
7	MP BETA1	X	-.091	6.25
8	MP BETA1	X	-.091	1.75
9	MP GAMMA1	Y	.028	6.25
10	MP GAMMA1	Y	.028	1.75
11	MP GAMMA1	X	-.048	6.25
12	MP GAMMA1	X	-.048	1.75
13	MP ALPHA4	Y	.106	6.583
14	MP ALPHA4	Y	.106	1.417
15	MP ALPHA4	X	-.184	6.583
16	MP ALPHA4	X	-.184	1.417
17	MP BETA4	Y	.2	6.583
18	MP BETA4	Y	.2	1.417
19	MP BETA4	X	-.346	6.583
20	MP BETA4	X	-.346	1.417
21	MP GAMMA4	Y	.106	6.583
22	MP GAMMA4	Y	.106	1.417
23	MP GAMMA4	X	-.184	6.583
24	MP GAMMA4	X	-.184	1.417
25	MP ALPHA3	Y	.116	6.583
26	MP ALPHA3	Y	.116	1.417
27	MP ALPHA3	X	-.201	6.583
28	MP ALPHA3	X	-.201	1.417
29	MP BETA3	Y	.219	6.583
30	MP BETA3	Y	.219	1.417
31	MP BETA3	X	-.38	6.583
32	MP BETA3	X	-.38	1.417
33	MP GAMMA3	Y	.116	6.583
34	MP GAMMA3	Y	.116	1.417
35	MP GAMMA3	X	-.201	6.583
36	MP GAMMA3	X	-.201	1.417
37	MP ALPHA1	Y	.031	4
38	MP ALPHA1	X	-.053	4
39	MP BETA1	Y	.036	4
40	MP BETA1	X	-.062	4
41	MP GAMMA1	Y	.031	4
42	MP GAMMA1	X	-.053	4
43	MP ALPHA4	Y	.035	4
44	MP ALPHA4	X	-.061	4
45	MP BETA4	Y	.045	4
46	MP BETA4	X	-.077	4
47	MP GAMMA4	Y	.035	4
48	MP GAMMA4	X	-.061	4
49	MP ALPHA3	Y	.028	4
50	MP ALPHA3	X	-.049	4
51	MP BETA3	Y	.042	4
52	MP BETA3	X	-.072	4
53	MP GAMMA3	Y	.028	4
54	MP GAMMA3	X	-.049	4
55	MP ALPHA3	Y	.032	4
56	MP ALPHA3	X	-.056	4
57	MP BETA3	Y	.037	4
58	MP BETA3	X	-.064	4
59	MP GAMMA3	Y	.032	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP GAMMA3	X	-.056	4
61	MP ALPHA3	Y	.03	4
62	MP ALPHA3	X	-.051	4
63	MP ALPHA4	Y	.03	4
64	MP ALPHA4	X	-.051	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.077	6.25
2	MP ALPHA1	Y	.077	1.75
3	MP ALPHA1	X	-.044	6.25
4	MP ALPHA1	X	-.044	1.75
5	MP BETA1	Y	.077	6.25
6	MP BETA1	Y	.077	1.75
7	MP BETA1	X	-.044	6.25
8	MP BETA1	X	-.044	1.75
9	MP GAMMA1	Y	.033	6.25
10	MP GAMMA1	Y	.033	1.75
11	MP GAMMA1	X	-.019	6.25
12	MP GAMMA1	X	-.019	1.75
13	MP ALPHA4	Y	.292	6.583
14	MP ALPHA4	Y	.292	1.417
15	MP ALPHA4	X	-.168	6.583
16	MP ALPHA4	X	-.168	1.417
17	MP BETA4	Y	.292	6.583
18	MP BETA4	Y	.292	1.417
19	MP BETA4	X	-.168	6.583
20	MP BETA4	X	-.168	1.417
21	MP GAMMA4	Y	.13	6.583
22	MP GAMMA4	Y	.13	1.417
23	MP GAMMA4	X	-.075	6.583
24	MP GAMMA4	X	-.075	1.417
25	MP ALPHA3	Y	.32	6.583
26	MP ALPHA3	Y	.32	1.417
27	MP ALPHA3	X	-.185	6.583
28	MP ALPHA3	X	-.185	1.417
29	MP BETA3	Y	.32	6.583
30	MP BETA3	Y	.32	1.417
31	MP BETA3	X	-.185	6.583
32	MP BETA3	X	-.185	1.417
33	MP GAMMA3	Y	.141	6.583
34	MP GAMMA3	Y	.141	1.417
35	MP GAMMA3	X	-.082	6.583
36	MP GAMMA3	X	-.082	1.417
37	MP ALPHA1	Y	.059	4
38	MP ALPHA1	X	-.034	4
39	MP BETA1	Y	.059	4
40	MP BETA1	X	-.034	4
41	MP GAMMA1	Y	.05	4
42	MP GAMMA1	X	-.029	4
43	MP ALPHA4	Y	.072	4
44	MP ALPHA4	X	-.041	4
45	MP BETA4	Y	.072	4
46	MP BETA4	X	-.041	4
47	MP GAMMA4	Y	.055	4
48	MP GAMMA4	X	-.032	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
49	MP ALPHA3	Y	.065	4
50	MP ALPHA3	X	-.037	4
51	MP BETA3	Y	.065	4
52	MP BETA3	X	-.037	4
53	MP GAMMA3	Y	.042	4
54	MP GAMMA3	X	-.024	4
55	MP ALPHA3	Y	.061	4
56	MP ALPHA3	X	-.036	4
57	MP BETA3	Y	.061	4
58	MP BETA3	X	-.036	4
59	MP GAMMA3	Y	.053	4
60	MP GAMMA3	X	-.031	4
61	MP ALPHA3	Y	.049	4
62	MP ALPHA3	X	-.028	4
63	MP ALPHA4	Y	.049	4
64	MP ALPHA4	X	-.028	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.105	6.25
2	MP ALPHA1	Y	.105	1.75
3	MP BETA1	Y	.055	6.25
4	MP BETA1	Y	.055	1.75
5	MP GAMMA1	Y	.055	6.25
6	MP GAMMA1	Y	.055	1.75
7	MP ALPHA4	Y	.399	6.583
8	MP ALPHA4	Y	.399	1.417
9	MP BETA4	Y	.212	6.583
10	MP BETA4	Y	.212	1.417
11	MP GAMMA4	Y	.212	6.583
12	MP GAMMA4	Y	.212	1.417
13	MP ALPHA3	Y	.438	6.583
14	MP ALPHA3	Y	.438	1.417
15	MP BETA3	Y	.232	6.583
16	MP BETA3	Y	.232	1.417
17	MP GAMMA3	Y	.232	6.583
18	MP GAMMA3	Y	.232	1.417
19	MP ALPHA1	Y	.072	4
20	MP BETA1	Y	.062	4
21	MP GAMMA1	Y	.062	4
22	MP ALPHA4	Y	.089	4
23	MP BETA4	Y	.07	4
24	MP GAMMA4	Y	.07	4
25	MP ALPHA3	Y	.083	4
26	MP BETA3	Y	.057	4
27	MP GAMMA3	Y	.057	4
28	MP ALPHA3	Y	.074	4
29	MP BETA3	Y	.065	4
30	MP GAMMA3	Y	.065	4
31	MP ALPHA3	Y	.055	4
32	MP ALPHA4	Y	.055	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.077	6.25
2	MP ALPHA1	Y	.077	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
3	MP ALPHA1	X	.044	6.25
4	MP ALPHA1	X	.044	1.75
5	MP BETA1	Y	.033	6.25
6	MP BETA1	Y	.033	1.75
7	MP BETA1	X	.019	6.25
8	MP BETA1	X	.019	1.75
9	MP GAMMA1	Y	.077	6.25
10	MP GAMMA1	Y	.077	1.75
11	MP GAMMA1	X	.044	6.25
12	MP GAMMA1	X	.044	1.75
13	MP ALPHA4	Y	.292	6.583
14	MP ALPHA4	Y	.292	1.417
15	MP ALPHA4	X	.168	6.583
16	MP ALPHA4	X	.168	1.417
17	MP BETA4	Y	.13	6.583
18	MP BETA4	Y	.13	1.417
19	MP BETA4	X	.075	6.583
20	MP BETA4	X	.075	1.417
21	MP GAMMA4	Y	.292	6.583
22	MP GAMMA4	Y	.292	1.417
23	MP GAMMA4	X	.168	6.583
24	MP GAMMA4	X	.168	1.417
25	MP ALPHA3	Y	.32	6.583
26	MP ALPHA3	Y	.32	1.417
27	MP ALPHA3	X	.185	6.583
28	MP ALPHA3	X	.185	1.417
29	MP BETA3	Y	.141	6.583
30	MP BETA3	Y	.141	1.417
31	MP BETA3	X	.082	6.583
32	MP BETA3	X	.082	1.417
33	MP GAMMA3	Y	.32	6.583
34	MP GAMMA3	Y	.32	1.417
35	MP GAMMA3	X	.185	6.583
36	MP GAMMA3	X	.185	1.417
37	MP ALPHA1	Y	.059	4
38	MP ALPHA1	X	.034	4
39	MP BETA1	Y	.05	4
40	MP BETA1	X	.029	4
41	MP GAMMA1	Y	.059	4
42	MP GAMMA1	X	.034	4
43	MP ALPHA4	Y	.072	4
44	MP ALPHA4	X	.041	4
45	MP BETA4	Y	.055	4
46	MP BETA4	X	.032	4
47	MP GAMMA4	Y	.072	4
48	MP GAMMA4	X	.041	4
49	MP ALPHA3	Y	.065	4
50	MP ALPHA3	X	.037	4
51	MP BETA3	Y	.042	4
52	MP BETA3	X	.024	4
53	MP GAMMA3	Y	.065	4
54	MP GAMMA3	X	.037	4
55	MP ALPHA3	Y	.061	4
56	MP ALPHA3	X	.036	4
57	MP BETA3	Y	.053	4
58	MP BETA3	X	.031	4
59	MP GAMMA3	Y	.061	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP GAMMA3	X	.036	4
61	MP ALPHA3	Y	.049	4
62	MP ALPHA3	X	.028	4
63	MP ALPHA4	Y	.049	4
64	MP ALPHA4	X	.028	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.028	6.25
2	MP ALPHA1	Y	.028	1.75
3	MP ALPHA1	X	.048	6.25
4	MP ALPHA1	X	.048	1.75
5	MP BETA1	Y	.028	6.25
6	MP BETA1	Y	.028	1.75
7	MP BETA1	X	.048	6.25
8	MP BETA1	X	.048	1.75
9	MP GAMMA1	Y	.053	6.25
10	MP GAMMA1	Y	.053	1.75
11	MP GAMMA1	X	.091	6.25
12	MP GAMMA1	X	.091	1.75
13	MP ALPHA4	Y	.106	6.583
14	MP ALPHA4	Y	.106	1.417
15	MP ALPHA4	X	.184	6.583
16	MP ALPHA4	X	.184	1.417
17	MP BETA4	Y	.106	6.583
18	MP BETA4	Y	.106	1.417
19	MP BETA4	X	.184	6.583
20	MP BETA4	X	.184	1.417
21	MP GAMMA4	Y	.2	6.583
22	MP GAMMA4	Y	.2	1.417
23	MP GAMMA4	X	.346	6.583
24	MP GAMMA4	X	.346	1.417
25	MP ALPHA3	Y	.116	6.583
26	MP ALPHA3	Y	.116	1.417
27	MP ALPHA3	X	.201	6.583
28	MP ALPHA3	X	.201	1.417
29	MP BETA3	Y	.116	6.583
30	MP BETA3	Y	.116	1.417
31	MP BETA3	X	.201	6.583
32	MP BETA3	X	.201	1.417
33	MP GAMMA3	Y	.219	6.583
34	MP GAMMA3	Y	.219	1.417
35	MP GAMMA3	X	.38	6.583
36	MP GAMMA3	X	.38	1.417
37	MP ALPHA1	Y	.031	4
38	MP ALPHA1	X	.053	4
39	MP BETA1	Y	.031	4
40	MP BETA1	X	.053	4
41	MP GAMMA1	Y	.036	4
42	MP GAMMA1	X	.062	4
43	MP ALPHA4	Y	.035	4
44	MP ALPHA4	X	.061	4
45	MP BETA4	Y	.035	4
46	MP BETA4	X	.061	4
47	MP GAMMA4	Y	.045	4
48	MP GAMMA4	X	.077	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
49	MP ALPHA3	Y	.028	4
50	MP ALPHA3	X	.049	4
51	MP BETA3	Y	.028	4
52	MP BETA3	X	.049	4
53	MP GAMMA3	Y	.042	4
54	MP GAMMA3	X	.072	4
55	MP ALPHA3	Y	.032	4
56	MP ALPHA3	X	.056	4
57	MP BETA3	Y	.032	4
58	MP BETA3	X	.056	4
59	MP GAMMA3	Y	.037	4
60	MP GAMMA3	X	.064	4
61	MP ALPHA3	Y	.03	4
62	MP ALPHA3	X	.051	4
63	MP ALPHA4	Y	.03	4
64	MP ALPHA4	X	.051	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.038	6.25
2	MP ALPHA1	X	.038	1.75
3	MP BETA1	X	.089	6.25
4	MP BETA1	X	.089	1.75
5	MP GAMMA1	X	.089	6.25
6	MP GAMMA1	X	.089	1.75
7	MP ALPHA4	X	.15	6.583
8	MP ALPHA4	X	.15	1.417
9	MP BETA4	X	.337	6.583
10	MP BETA4	X	.337	1.417
11	MP GAMMA4	X	.337	6.583
12	MP GAMMA4	X	.337	1.417
13	MP ALPHA3	X	.163	6.583
14	MP ALPHA3	X	.163	1.417
15	MP BETA3	X	.37	6.583
16	MP BETA3	X	.37	1.417
17	MP GAMMA3	X	.37	6.583
18	MP GAMMA3	X	.37	1.417
19	MP ALPHA1	X	.058	4
20	MP BETA1	X	.068	4
21	MP GAMMA1	X	.068	4
22	MP ALPHA4	X	.064	4
23	MP BETA4	X	.083	4
24	MP GAMMA4	X	.083	4
25	MP ALPHA3	X	.048	4
26	MP BETA3	X	.075	4
27	MP GAMMA3	X	.075	4
28	MP ALPHA3	X	.061	4
29	MP BETA3	X	.071	4
30	MP GAMMA3	X	.071	4
31	MP ALPHA3	X	.061	4
32	MP ALPHA4	X	.061	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.028	6.25
2	MP ALPHA1	Y	-.028	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
3	MP ALPHA1	X	.048	6.25
4	MP ALPHA1	X	.048	1.75
5	MP BETA1	Y	-.053	6.25
6	MP BETA1	Y	-.053	1.75
7	MP BETA1	X	.091	6.25
8	MP BETA1	X	.091	1.75
9	MP GAMMA1	Y	-.028	6.25
10	MP GAMMA1	Y	-.028	1.75
11	MP GAMMA1	X	.048	6.25
12	MP GAMMA1	X	.048	1.75
13	MP ALPHA4	Y	-.106	6.583
14	MP ALPHA4	Y	-.106	1.417
15	MP ALPHA4	X	.184	6.583
16	MP ALPHA4	X	.184	1.417
17	MP BETA4	Y	-.2	6.583
18	MP BETA4	Y	-.2	1.417
19	MP BETA4	X	.346	6.583
20	MP BETA4	X	.346	1.417
21	MP GAMMA4	Y	-.106	6.583
22	MP GAMMA4	Y	-.106	1.417
23	MP GAMMA4	X	.184	6.583
24	MP GAMMA4	X	.184	1.417
25	MP ALPHA3	Y	-.116	6.583
26	MP ALPHA3	Y	-.116	1.417
27	MP ALPHA3	X	.201	6.583
28	MP ALPHA3	X	.201	1.417
29	MP BETA3	Y	-.219	6.583
30	MP BETA3	Y	-.219	1.417
31	MP BETA3	X	.38	6.583
32	MP BETA3	X	.38	1.417
33	MP GAMMA3	Y	-.116	6.583
34	MP GAMMA3	Y	-.116	1.417
35	MP GAMMA3	X	.201	6.583
36	MP GAMMA3	X	.201	1.417
37	MP ALPHA1	Y	-.031	4
38	MP ALPHA1	X	.053	4
39	MP BETA1	Y	-.036	4
40	MP BETA1	X	.062	4
41	MP GAMMA1	Y	-.031	4
42	MP GAMMA1	X	.053	4
43	MP ALPHA4	Y	-.035	4
44	MP ALPHA4	X	.061	4
45	MP BETA4	Y	-.045	4
46	MP BETA4	X	.077	4
47	MP GAMMA4	Y	-.035	4
48	MP GAMMA4	X	.061	4
49	MP ALPHA3	Y	-.028	4
50	MP ALPHA3	X	.049	4
51	MP BETA3	Y	-.042	4
52	MP BETA3	X	.072	4
53	MP GAMMA3	Y	-.028	4
54	MP GAMMA3	X	.049	4
55	MP ALPHA3	Y	-.032	4
56	MP ALPHA3	X	.056	4
57	MP BETA3	Y	-.037	4
58	MP BETA3	X	.064	4
59	MP GAMMA3	Y	-.032	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP GAMMA3	X	.056	4
61	MP ALPHA3	Y	-.03	4
62	MP ALPHA3	X	.051	4
63	MP ALPHA4	Y	-.03	4
64	MP ALPHA4	X	.051	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.077	6.25
2	MP ALPHA1	Y	-.077	1.75
3	MP ALPHA1	X	.044	6.25
4	MP ALPHA1	X	.044	1.75
5	MP BETA1	Y	-.077	6.25
6	MP BETA1	Y	-.077	1.75
7	MP BETA1	X	.044	6.25
8	MP BETA1	X	.044	1.75
9	MP GAMMA1	Y	-.033	6.25
10	MP GAMMA1	Y	-.033	1.75
11	MP GAMMA1	X	.019	6.25
12	MP GAMMA1	X	.019	1.75
13	MP ALPHA4	Y	-.292	6.583
14	MP ALPHA4	Y	-.292	1.417
15	MP ALPHA4	X	.168	6.583
16	MP ALPHA4	X	.168	1.417
17	MP BETA4	Y	-.292	6.583
18	MP BETA4	Y	-.292	1.417
19	MP BETA4	X	.168	6.583
20	MP BETA4	X	.168	1.417
21	MP GAMMA4	Y	-.13	6.583
22	MP GAMMA4	Y	-.13	1.417
23	MP GAMMA4	X	.075	6.583
24	MP GAMMA4	X	.075	1.417
25	MP ALPHA3	Y	-.32	6.583
26	MP ALPHA3	Y	-.32	1.417
27	MP ALPHA3	X	.185	6.583
28	MP ALPHA3	X	.185	1.417
29	MP BETA3	Y	-.32	6.583
30	MP BETA3	Y	-.32	1.417
31	MP BETA3	X	.185	6.583
32	MP BETA3	X	.185	1.417
33	MP GAMMA3	Y	-.141	6.583
34	MP GAMMA3	Y	-.141	1.417
35	MP GAMMA3	X	.082	6.583
36	MP GAMMA3	X	.082	1.417
37	MP ALPHA1	Y	-.059	4
38	MP ALPHA1	X	.034	4
39	MP BETA1	Y	-.059	4
40	MP BETA1	X	.034	4
41	MP GAMMA1	Y	-.05	4
42	MP GAMMA1	X	.029	4
43	MP ALPHA4	Y	-.072	4
44	MP ALPHA4	X	.041	4
45	MP BETA4	Y	-.072	4
46	MP BETA4	X	.041	4
47	MP GAMMA4	Y	-.055	4
48	MP GAMMA4	X	.032	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
49	MP ALPHA3	Y	-.065	4
50	MP ALPHA3	X	.037	4
51	MP BETA3	Y	-.065	4
52	MP BETA3	X	.037	4
53	MP GAMMA3	Y	-.042	4
54	MP GAMMA3	X	.024	4
55	MP ALPHA3	Y	-.061	4
56	MP ALPHA3	X	.036	4
57	MP BETA3	Y	-.061	4
58	MP BETA3	X	.036	4
59	MP GAMMA3	Y	-.053	4
60	MP GAMMA3	X	.031	4
61	MP ALPHA3	Y	-.049	4
62	MP ALPHA3	X	.028	4
63	MP ALPHA4	Y	-.049	4
64	MP ALPHA4	X	.028	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.006	6.25
2	MP ALPHA1	Y	-.006	1.75
3	MP BETA1	Y	-.003	6.25
4	MP BETA1	Y	-.003	1.75
5	MP GAMMA1	Y	-.003	6.25
6	MP GAMMA1	Y	-.003	1.75
7	MP ALPHA4	Y	-.023	6.583
8	MP ALPHA4	Y	-.023	1.417
9	MP BETA4	Y	-.012	6.583
10	MP BETA4	Y	-.012	1.417
11	MP GAMMA4	Y	-.012	6.583
12	MP GAMMA4	Y	-.012	1.417
13	MP ALPHA3	Y	-.025	6.583
14	MP ALPHA3	Y	-.025	1.417
15	MP BETA3	Y	-.013	6.583
16	MP BETA3	Y	-.013	1.417
17	MP GAMMA3	Y	-.013	6.583
18	MP GAMMA3	Y	-.013	1.417
19	MP ALPHA1	Y	-.004	4
20	MP BETA1	Y	-.003	4
21	MP GAMMA1	Y	-.003	4
22	MP ALPHA4	Y	-.005	4
23	MP BETA4	Y	-.004	4
24	MP GAMMA4	Y	-.004	4
25	MP ALPHA3	Y	-.005	4
26	MP BETA3	Y	-.003	4
27	MP GAMMA3	Y	-.003	4
28	MP ALPHA3	Y	-.004	4
29	MP BETA3	Y	-.004	4
30	MP GAMMA3	Y	-.004	4
31	MP ALPHA3	Y	-.003	4
32	MP ALPHA4	Y	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.004	6.25
2	MP ALPHA1	Y	-.004	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
3	MP ALPHA1	X	-.003	6.25
4	MP ALPHA1	X	-.003	1.75
5	MP BETA1	Y	-.002	6.25
6	MP BETA1	Y	-.002	1.75
7	MP BETA1	X	-.001	6.25
8	MP BETA1	X	-.001	1.75
9	MP GAMMA1	Y	-.004	6.25
10	MP GAMMA1	Y	-.004	1.75
11	MP GAMMA1	X	-.003	6.25
12	MP GAMMA1	X	-.003	1.75
13	MP ALPHA4	Y	-.017	6.583
14	MP ALPHA4	Y	-.017	1.417
15	MP ALPHA4	X	-.01	6.583
16	MP ALPHA4	X	-.01	1.417
17	MP BETA4	Y	-.007	6.583
18	MP BETA4	Y	-.007	1.417
19	MP BETA4	X	-.004	6.583
20	MP BETA4	X	-.004	1.417
21	MP GAMMA4	Y	-.017	6.583
22	MP GAMMA4	Y	-.017	1.417
23	MP GAMMA4	X	-.01	6.583
24	MP GAMMA4	X	-.01	1.417
25	MP ALPHA3	Y	-.018	6.583
26	MP ALPHA3	Y	-.018	1.417
27	MP ALPHA3	X	-.01	6.583
28	MP ALPHA3	X	-.01	1.417
29	MP BETA3	Y	-.008	6.583
30	MP BETA3	Y	-.008	1.417
31	MP BETA3	X	-.005	6.583
32	MP BETA3	X	-.005	1.417
33	MP GAMMA3	Y	-.018	6.583
34	MP GAMMA3	Y	-.018	1.417
35	MP GAMMA3	X	-.01	6.583
36	MP GAMMA3	X	-.01	1.417
37	MP ALPHA1	Y	-.003	4
38	MP ALPHA1	X	-.002	4
39	MP BETA1	Y	-.003	4
40	MP BETA1	X	-.002	4
41	MP GAMMA1	Y	-.003	4
42	MP GAMMA1	X	-.002	4
43	MP ALPHA4	Y	-.004	4
44	MP ALPHA4	X	-.002	4
45	MP BETA4	Y	-.003	4
46	MP BETA4	X	-.002	4
47	MP GAMMA4	Y	-.004	4
48	MP GAMMA4	X	-.002	4
49	MP ALPHA3	Y	-.004	4
50	MP ALPHA3	X	-.002	4
51	MP BETA3	Y	-.002	4
52	MP BETA3	X	-.001	4
53	MP GAMMA3	Y	-.004	4
54	MP GAMMA3	X	-.002	4
55	MP ALPHA3	Y	-.003	4
56	MP ALPHA3	X	-.002	4
57	MP BETA3	Y	-.003	4
58	MP BETA3	X	-.002	4
59	MP GAMMA3	Y	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP GAMMA3	X	-.002	4
61	MP ALPHA3	Y	-.003	4
62	MP ALPHA3	X	-.002	4
63	MP ALPHA4	Y	-.003	4
64	MP ALPHA4	X	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.002	6.25
2	MP ALPHA1	Y	-.002	1.75
3	MP ALPHA1	X	-.003	6.25
4	MP ALPHA1	X	-.003	1.75
5	MP BETA1	Y	-.002	6.25
6	MP BETA1	Y	-.002	1.75
7	MP BETA1	X	-.003	6.25
8	MP BETA1	X	-.003	1.75
9	MP GAMMA1	Y	-.003	6.25
10	MP GAMMA1	Y	-.003	1.75
11	MP GAMMA1	X	-.005	6.25
12	MP GAMMA1	X	-.005	1.75
13	MP ALPHA4	Y	-.006	6.583
14	MP ALPHA4	Y	-.006	1.417
15	MP ALPHA4	X	-.01	6.583
16	MP ALPHA4	X	-.01	1.417
17	MP BETA4	Y	-.006	6.583
18	MP BETA4	Y	-.006	1.417
19	MP BETA4	X	-.01	6.583
20	MP BETA4	X	-.01	1.417
21	MP GAMMA4	Y	-.011	6.583
22	MP GAMMA4	Y	-.011	1.417
23	MP GAMMA4	X	-.02	6.583
24	MP GAMMA4	X	-.02	1.417
25	MP ALPHA3	Y	-.007	6.583
26	MP ALPHA3	Y	-.007	1.417
27	MP ALPHA3	X	-.011	6.583
28	MP ALPHA3	X	-.011	1.417
29	MP BETA3	Y	-.007	6.583
30	MP BETA3	Y	-.007	1.417
31	MP BETA3	X	-.011	6.583
32	MP BETA3	X	-.011	1.417
33	MP GAMMA3	Y	-.012	6.583
34	MP GAMMA3	Y	-.012	1.417
35	MP GAMMA3	X	-.022	6.583
36	MP GAMMA3	X	-.022	1.417
37	MP ALPHA1	Y	-.002	4
38	MP ALPHA1	X	-.003	4
39	MP BETA1	Y	-.002	4
40	MP BETA1	X	-.003	4
41	MP GAMMA1	Y	-.002	4
42	MP GAMMA1	X	-.004	4
43	MP ALPHA4	Y	-.002	4
44	MP ALPHA4	X	-.003	4
45	MP BETA4	Y	-.002	4
46	MP BETA4	X	-.003	4
47	MP GAMMA4	Y	-.003	4
48	MP GAMMA4	X	-.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
49	MP ALPHA3	Y	-.002	4
50	MP ALPHA3	X	-.003	4
51	MP BETA3	Y	-.002	4
52	MP BETA3	X	-.003	4
53	MP GAMMA3	Y	-.002	4
54	MP GAMMA3	X	-.004	4
55	MP ALPHA3	Y	-.002	4
56	MP ALPHA3	X	-.003	4
57	MP BETA3	Y	-.002	4
58	MP BETA3	X	-.003	4
59	MP GAMMA3	Y	-.002	4
60	MP GAMMA3	X	-.004	4
61	MP ALPHA3	Y	-.002	4
62	MP ALPHA3	X	-.003	4
63	MP ALPHA4	Y	-.002	4
64	MP ALPHA4	X	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.002	6.25
2	MP ALPHA1	X	-.002	1.75
3	MP BETA1	X	-.005	6.25
4	MP BETA1	X	-.005	1.75
5	MP GAMMA1	X	-.005	6.25
6	MP GAMMA1	X	-.005	1.75
7	MP ALPHA4	X	-.008	6.583
8	MP ALPHA4	X	-.008	1.417
9	MP BETA4	X	-.019	6.583
10	MP BETA4	X	-.019	1.417
11	MP GAMMA4	X	-.019	6.583
12	MP GAMMA4	X	-.019	1.417
13	MP ALPHA3	X	-.009	6.583
14	MP ALPHA3	X	-.009	1.417
15	MP BETA3	X	-.021	6.583
16	MP BETA3	X	-.021	1.417
17	MP GAMMA3	X	-.021	6.583
18	MP GAMMA3	X	-.021	1.417
19	MP ALPHA1	X	-.003	4
20	MP BETA1	X	-.004	4
21	MP GAMMA1	X	-.004	4
22	MP ALPHA4	X	-.004	4
23	MP BETA4	X	-.005	4
24	MP GAMMA4	X	-.005	4
25	MP ALPHA3	X	-.003	4
26	MP BETA3	X	-.004	4
27	MP GAMMA3	X	-.004	4
28	MP ALPHA3	X	-.003	4
29	MP BETA3	X	-.004	4
30	MP GAMMA3	X	-.004	4
31	MP ALPHA3	X	-.003	4
32	MP ALPHA4	X	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.002	6.25
2	MP ALPHA1	Y	.002	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
3	MP ALPHA1	X	-.003	6.25
4	MP ALPHA1	X	-.003	1.75
5	MP BETA1	Y	.003	6.25
6	MP BETA1	Y	.003	1.75
7	MP BETA1	X	-.005	6.25
8	MP BETA1	X	-.005	1.75
9	MP GAMMA1	Y	.002	6.25
10	MP GAMMA1	Y	.002	1.75
11	MP GAMMA1	X	-.003	6.25
12	MP GAMMA1	X	-.003	1.75
13	MP ALPHA4	Y	.006	6.583
14	MP ALPHA4	Y	.006	1.417
15	MP ALPHA4	X	-.01	6.583
16	MP ALPHA4	X	-.01	1.417
17	MP BETA4	Y	.011	6.583
18	MP BETA4	Y	.011	1.417
19	MP BETA4	X	-.02	6.583
20	MP BETA4	X	-.02	1.417
21	MP GAMMA4	Y	.006	6.583
22	MP GAMMA4	Y	.006	1.417
23	MP GAMMA4	X	-.01	6.583
24	MP GAMMA4	X	-.01	1.417
25	MP ALPHA3	Y	.007	6.583
26	MP ALPHA3	Y	.007	1.417
27	MP ALPHA3	X	-.011	6.583
28	MP ALPHA3	X	-.011	1.417
29	MP BETA3	Y	.012	6.583
30	MP BETA3	Y	.012	1.417
31	MP BETA3	X	-.022	6.583
32	MP BETA3	X	-.022	1.417
33	MP GAMMA3	Y	.007	6.583
34	MP GAMMA3	Y	.007	1.417
35	MP GAMMA3	X	-.011	6.583
36	MP GAMMA3	X	-.011	1.417
37	MP ALPHA1	Y	.002	4
38	MP ALPHA1	X	-.003	4
39	MP BETA1	Y	.002	4
40	MP BETA1	X	-.004	4
41	MP GAMMA1	Y	.002	4
42	MP GAMMA1	X	-.003	4
43	MP ALPHA4	Y	.002	4
44	MP ALPHA4	X	-.003	4
45	MP BETA4	Y	.003	4
46	MP BETA4	X	-.004	4
47	MP GAMMA4	Y	.002	4
48	MP GAMMA4	X	-.003	4
49	MP ALPHA3	Y	.002	4
50	MP ALPHA3	X	-.003	4
51	MP BETA3	Y	.002	4
52	MP BETA3	X	-.004	4
53	MP GAMMA3	Y	.002	4
54	MP GAMMA3	X	-.003	4
55	MP ALPHA3	Y	.002	4
56	MP ALPHA3	X	-.003	4
57	MP BETA3	Y	.002	4
58	MP BETA3	X	-.004	4
59	MP GAMMA3	Y	.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP GAMMA3	X	-.003	4
61	MP ALPHA3	Y	.002	4
62	MP ALPHA3	X	-.003	4
63	MP ALPHA4	Y	.002	4
64	MP ALPHA4	X	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.004	6.25
2	MP ALPHA1	Y	.004	1.75
3	MP ALPHA1	X	-.003	6.25
4	MP ALPHA1	X	-.003	1.75
5	MP BETA1	Y	.004	6.25
6	MP BETA1	Y	.004	1.75
7	MP BETA1	X	-.003	6.25
8	MP BETA1	X	-.003	1.75
9	MP GAMMA1	Y	.002	6.25
10	MP GAMMA1	Y	.002	1.75
11	MP GAMMA1	X	-.001	6.25
12	MP GAMMA1	X	-.001	1.75
13	MP ALPHA4	Y	.017	6.583
14	MP ALPHA4	Y	.017	1.417
15	MP ALPHA4	X	-.01	6.583
16	MP ALPHA4	X	-.01	1.417
17	MP BETA4	Y	.017	6.583
18	MP BETA4	Y	.017	1.417
19	MP BETA4	X	-.01	6.583
20	MP BETA4	X	-.01	1.417
21	MP GAMMA4	Y	.007	6.583
22	MP GAMMA4	Y	.007	1.417
23	MP GAMMA4	X	-.004	6.583
24	MP GAMMA4	X	-.004	1.417
25	MP ALPHA3	Y	.018	6.583
26	MP ALPHA3	Y	.018	1.417
27	MP ALPHA3	X	-.01	6.583
28	MP ALPHA3	X	-.01	1.417
29	MP BETA3	Y	.018	6.583
30	MP BETA3	Y	.018	1.417
31	MP BETA3	X	-.01	6.583
32	MP BETA3	X	-.01	1.417
33	MP GAMMA3	Y	.008	6.583
34	MP GAMMA3	Y	.008	1.417
35	MP GAMMA3	X	-.005	6.583
36	MP GAMMA3	X	-.005	1.417
37	MP ALPHA1	Y	.003	4
38	MP ALPHA1	X	-.002	4
39	MP BETA1	Y	.003	4
40	MP BETA1	X	-.002	4
41	MP GAMMA1	Y	.003	4
42	MP GAMMA1	X	-.002	4
43	MP ALPHA4	Y	.004	4
44	MP ALPHA4	X	-.002	4
45	MP BETA4	Y	.004	4
46	MP BETA4	X	-.002	4
47	MP GAMMA4	Y	.003	4
48	MP GAMMA4	X	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
49	MP ALPHA3	Y	.004	4
50	MP ALPHA3	X	-.002	4
51	MP BETA3	Y	.004	4
52	MP BETA3	X	-.002	4
53	MP GAMMA3	Y	.002	4
54	MP GAMMA3	X	-.001	4
55	MP ALPHA3	Y	.003	4
56	MP ALPHA3	X	-.002	4
57	MP BETA3	Y	.003	4
58	MP BETA3	X	-.002	4
59	MP GAMMA3	Y	.003	4
60	MP GAMMA3	X	-.002	4
61	MP ALPHA3	Y	.003	4
62	MP ALPHA3	X	-.002	4
63	MP ALPHA4	Y	.003	4
64	MP ALPHA4	X	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.006	6.25
2	MP ALPHA1	Y	.006	1.75
3	MP BETA1	Y	.003	6.25
4	MP BETA1	Y	.003	1.75
5	MP GAMMA1	Y	.003	6.25
6	MP GAMMA1	Y	.003	1.75
7	MP ALPHA4	Y	.023	6.583
8	MP ALPHA4	Y	.023	1.417
9	MP BETA4	Y	.012	6.583
10	MP BETA4	Y	.012	1.417
11	MP GAMMA4	Y	.012	6.583
12	MP GAMMA4	Y	.012	1.417
13	MP ALPHA3	Y	.025	6.583
14	MP ALPHA3	Y	.025	1.417
15	MP BETA3	Y	.013	6.583
16	MP BETA3	Y	.013	1.417
17	MP GAMMA3	Y	.013	6.583
18	MP GAMMA3	Y	.013	1.417
19	MP ALPHA1	Y	.004	4
20	MP BETA1	Y	.003	4
21	MP GAMMA1	Y	.003	4
22	MP ALPHA4	Y	.005	4
23	MP BETA4	Y	.004	4
24	MP GAMMA4	Y	.004	4
25	MP ALPHA3	Y	.005	4
26	MP BETA3	Y	.003	4
27	MP GAMMA3	Y	.003	4
28	MP ALPHA3	Y	.004	4
29	MP BETA3	Y	.004	4
30	MP GAMMA3	Y	.004	4
31	MP ALPHA3	Y	.003	4
32	MP ALPHA4	Y	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.004	6.25
2	MP ALPHA1	Y	.004	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
3	MP ALPHA1	X	.003	6.25
4	MP ALPHA1	X	.003	1.75
5	MP BETA1	Y	.002	6.25
6	MP BETA1	Y	.002	1.75
7	MP BETA1	X	.001	6.25
8	MP BETA1	X	.001	1.75
9	MP GAMMA1	Y	.004	6.25
10	MP GAMMA1	Y	.004	1.75
11	MP GAMMA1	X	.003	6.25
12	MP GAMMA1	X	.003	1.75
13	MP ALPHA4	Y	.017	6.583
14	MP ALPHA4	Y	.017	1.417
15	MP ALPHA4	X	.01	6.583
16	MP ALPHA4	X	.01	1.417
17	MP BETA4	Y	.007	6.583
18	MP BETA4	Y	.007	1.417
19	MP BETA4	X	.004	6.583
20	MP BETA4	X	.004	1.417
21	MP GAMMA4	Y	.017	6.583
22	MP GAMMA4	Y	.017	1.417
23	MP GAMMA4	X	.01	6.583
24	MP GAMMA4	X	.01	1.417
25	MP ALPHA3	Y	.018	6.583
26	MP ALPHA3	Y	.018	1.417
27	MP ALPHA3	X	.01	6.583
28	MP ALPHA3	X	.01	1.417
29	MP BETA3	Y	.008	6.583
30	MP BETA3	Y	.008	1.417
31	MP BETA3	X	.005	6.583
32	MP BETA3	X	.005	1.417
33	MP GAMMA3	Y	.018	6.583
34	MP GAMMA3	Y	.018	1.417
35	MP GAMMA3	X	.01	6.583
36	MP GAMMA3	X	.01	1.417
37	MP ALPHA1	Y	.003	4
38	MP ALPHA1	X	.002	4
39	MP BETA1	Y	.003	4
40	MP BETA1	X	.002	4
41	MP GAMMA1	Y	.003	4
42	MP GAMMA1	X	.002	4
43	MP ALPHA4	Y	.004	4
44	MP ALPHA4	X	.002	4
45	MP BETA4	Y	.003	4
46	MP BETA4	X	.002	4
47	MP GAMMA4	Y	.004	4
48	MP GAMMA4	X	.002	4
49	MP ALPHA3	Y	.004	4
50	MP ALPHA3	X	.002	4
51	MP BETA3	Y	.002	4
52	MP BETA3	X	.001	4
53	MP GAMMA3	Y	.004	4
54	MP GAMMA3	X	.002	4
55	MP ALPHA3	Y	.003	4
56	MP ALPHA3	X	.002	4
57	MP BETA3	Y	.003	4
58	MP BETA3	X	.002	4
59	MP GAMMA3	Y	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP GAMMA3	X	.002	4
61	MP ALPHA3	Y	.003	4
62	MP ALPHA3	X	.002	4
63	MP ALPHA4	Y	.003	4
64	MP ALPHA4	X	.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.002	6.25
2	MP ALPHA1	Y	.002	1.75
3	MP ALPHA1	X	.003	6.25
4	MP ALPHA1	X	.003	1.75
5	MP BETA1	Y	.002	6.25
6	MP BETA1	Y	.002	1.75
7	MP BETA1	X	.003	6.25
8	MP BETA1	X	.003	1.75
9	MP GAMMA1	Y	.003	6.25
10	MP GAMMA1	Y	.003	1.75
11	MP GAMMA1	X	.005	6.25
12	MP GAMMA1	X	.005	1.75
13	MP ALPHA4	Y	.006	6.583
14	MP ALPHA4	Y	.006	1.417
15	MP ALPHA4	X	.01	6.583
16	MP ALPHA4	X	.01	1.417
17	MP BETA4	Y	.006	6.583
18	MP BETA4	Y	.006	1.417
19	MP BETA4	X	.01	6.583
20	MP BETA4	X	.01	1.417
21	MP GAMMA4	Y	.011	6.583
22	MP GAMMA4	Y	.011	1.417
23	MP GAMMA4	X	.02	6.583
24	MP GAMMA4	X	.02	1.417
25	MP ALPHA3	Y	.007	6.583
26	MP ALPHA3	Y	.007	1.417
27	MP ALPHA3	X	.011	6.583
28	MP ALPHA3	X	.011	1.417
29	MP BETA3	Y	.007	6.583
30	MP BETA3	Y	.007	1.417
31	MP BETA3	X	.011	6.583
32	MP BETA3	X	.011	1.417
33	MP GAMMA3	Y	.012	6.583
34	MP GAMMA3	Y	.012	1.417
35	MP GAMMA3	X	.022	6.583
36	MP GAMMA3	X	.022	1.417
37	MP ALPHA1	Y	.002	4
38	MP ALPHA1	X	.003	4
39	MP BETA1	Y	.002	4
40	MP BETA1	X	.003	4
41	MP GAMMA1	Y	.002	4
42	MP GAMMA1	X	.004	4
43	MP ALPHA4	Y	.002	4
44	MP ALPHA4	X	.003	4
45	MP BETA4	Y	.002	4
46	MP BETA4	X	.003	4
47	MP GAMMA4	Y	.003	4
48	MP GAMMA4	X	.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
49	MP ALPHA3	Y	.002	4
50	MP ALPHA3	X	.003	4
51	MP BETA3	Y	.002	4
52	MP BETA3	X	.003	4
53	MP GAMMA3	Y	.002	4
54	MP GAMMA3	X	.004	4
55	MP ALPHA3	Y	.002	4
56	MP ALPHA3	X	.003	4
57	MP BETA3	Y	.002	4
58	MP BETA3	X	.003	4
59	MP GAMMA3	Y	.002	4
60	MP GAMMA3	X	.004	4
61	MP ALPHA3	Y	.002	4
62	MP ALPHA3	X	.003	4
63	MP ALPHA4	Y	.002	4
64	MP ALPHA4	X	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.002	6.25
2	MP ALPHA1	X	.002	1.75
3	MP BETA1	X	.005	6.25
4	MP BETA1	X	.005	1.75
5	MP GAMMA1	X	.005	6.25
6	MP GAMMA1	X	.005	1.75
7	MP ALPHA4	X	.008	6.583
8	MP ALPHA4	X	.008	1.417
9	MP BETA4	X	.019	6.583
10	MP BETA4	X	.019	1.417
11	MP GAMMA4	X	.019	6.583
12	MP GAMMA4	X	.019	1.417
13	MP ALPHA3	X	.009	6.583
14	MP ALPHA3	X	.009	1.417
15	MP BETA3	X	.021	6.583
16	MP BETA3	X	.021	1.417
17	MP GAMMA3	X	.021	6.583
18	MP GAMMA3	X	.021	1.417
19	MP ALPHA1	X	.003	4
20	MP BETA1	X	.004	4
21	MP GAMMA1	X	.004	4
22	MP ALPHA4	X	.004	4
23	MP BETA4	X	.005	4
24	MP GAMMA4	X	.005	4
25	MP ALPHA3	X	.003	4
26	MP BETA3	X	.004	4
27	MP GAMMA3	X	.004	4
28	MP ALPHA3	X	.003	4
29	MP BETA3	X	.004	4
30	MP GAMMA3	X	.004	4
31	MP ALPHA3	X	.003	4
32	MP ALPHA4	X	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.002	6.25
2	MP ALPHA1	Y	-.002	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
3	MP ALPHA1	X	.003	6.25
4	MP ALPHA1	X	.003	1.75
5	MP BETA1	Y	-.003	6.25
6	MP BETA1	Y	-.003	1.75
7	MP BETA1	X	.005	6.25
8	MP BETA1	X	.005	1.75
9	MP GAMMA1	Y	-.002	6.25
10	MP GAMMA1	Y	-.002	1.75
11	MP GAMMA1	X	.003	6.25
12	MP GAMMA1	X	.003	1.75
13	MP ALPHA4	Y	-.006	6.583
14	MP ALPHA4	Y	-.006	1.417
15	MP ALPHA4	X	.01	6.583
16	MP ALPHA4	X	.01	1.417
17	MP BETA4	Y	-.011	6.583
18	MP BETA4	Y	-.011	1.417
19	MP BETA4	X	.02	6.583
20	MP BETA4	X	.02	1.417
21	MP GAMMA4	Y	-.006	6.583
22	MP GAMMA4	Y	-.006	1.417
23	MP GAMMA4	X	.01	6.583
24	MP GAMMA4	X	.01	1.417
25	MP ALPHA3	Y	-.007	6.583
26	MP ALPHA3	Y	-.007	1.417
27	MP ALPHA3	X	.011	6.583
28	MP ALPHA3	X	.011	1.417
29	MP BETA3	Y	-.012	6.583
30	MP BETA3	Y	-.012	1.417
31	MP BETA3	X	.022	6.583
32	MP BETA3	X	.022	1.417
33	MP GAMMA3	Y	-.007	6.583
34	MP GAMMA3	Y	-.007	1.417
35	MP GAMMA3	X	.011	6.583
36	MP GAMMA3	X	.011	1.417
37	MP ALPHA1	Y	-.002	4
38	MP ALPHA1	X	.003	4
39	MP BETA1	Y	-.002	4
40	MP BETA1	X	.004	4
41	MP GAMMA1	Y	-.002	4
42	MP GAMMA1	X	.003	4
43	MP ALPHA4	Y	-.002	4
44	MP ALPHA4	X	.003	4
45	MP BETA4	Y	-.003	4
46	MP BETA4	X	.004	4
47	MP GAMMA4	Y	-.002	4
48	MP GAMMA4	X	.003	4
49	MP ALPHA3	Y	-.002	4
50	MP ALPHA3	X	.003	4
51	MP BETA3	Y	-.002	4
52	MP BETA3	X	.004	4
53	MP GAMMA3	Y	-.002	4
54	MP GAMMA3	X	.003	4
55	MP ALPHA3	Y	-.002	4
56	MP ALPHA3	X	.003	4
57	MP BETA3	Y	-.002	4
58	MP BETA3	X	.004	4
59	MP GAMMA3	Y	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP GAMMA3	X	.003	4
61	MP ALPHA3	Y	-.002	4
62	MP ALPHA3	X	.003	4
63	MP ALPHA4	Y	-.002	4
64	MP ALPHA4	X	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.004	6.25
2	MP ALPHA1	Y	-.004	1.75
3	MP ALPHA1	X	.003	6.25
4	MP ALPHA1	X	.003	1.75
5	MP BETA1	Y	-.004	6.25
6	MP BETA1	Y	-.004	1.75
7	MP BETA1	X	.003	6.25
8	MP BETA1	X	.003	1.75
9	MP GAMMA1	Y	-.002	6.25
10	MP GAMMA1	Y	-.002	1.75
11	MP GAMMA1	X	.001	6.25
12	MP GAMMA1	X	.001	1.75
13	MP ALPHA4	Y	-.017	6.583
14	MP ALPHA4	Y	-.017	1.417
15	MP ALPHA4	X	.01	6.583
16	MP ALPHA4	X	.01	1.417
17	MP BETA4	Y	-.017	6.583
18	MP BETA4	Y	-.017	1.417
19	MP BETA4	X	.01	6.583
20	MP BETA4	X	.01	1.417
21	MP GAMMA4	Y	-.007	6.583
22	MP GAMMA4	Y	-.007	1.417
23	MP GAMMA4	X	.004	6.583
24	MP GAMMA4	X	.004	1.417
25	MP ALPHA3	Y	-.018	6.583
26	MP ALPHA3	Y	-.018	1.417
27	MP ALPHA3	X	.01	6.583
28	MP ALPHA3	X	.01	1.417
29	MP BETA3	Y	-.018	6.583
30	MP BETA3	Y	-.018	1.417
31	MP BETA3	X	.01	6.583
32	MP BETA3	X	.01	1.417
33	MP GAMMA3	Y	-.008	6.583
34	MP GAMMA3	Y	-.008	1.417
35	MP GAMMA3	X	.005	6.583
36	MP GAMMA3	X	.005	1.417
37	MP ALPHA1	Y	-.003	4
38	MP ALPHA1	X	.002	4
39	MP BETA1	Y	-.003	4
40	MP BETA1	X	.002	4
41	MP GAMMA1	Y	-.003	4
42	MP GAMMA1	X	.002	4
43	MP ALPHA4	Y	-.004	4
44	MP ALPHA4	X	.002	4
45	MP BETA4	Y	-.004	4
46	MP BETA4	X	.002	4
47	MP GAMMA4	Y	-.003	4
48	MP GAMMA4	X	.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
49	MP ALPHA3	Y	-.004	4
50	MP ALPHA3	X	.002	4
51	MP BETA3	Y	-.004	4
52	MP BETA3	X	.002	4
53	MP GAMMA3	Y	-.002	4
54	MP GAMMA3	X	.001	4
55	MP ALPHA3	Y	-.003	4
56	MP ALPHA3	X	.002	4
57	MP BETA3	Y	-.003	4
58	MP BETA3	X	.002	4
59	MP GAMMA3	Y	-.003	4
60	MP GAMMA3	X	.002	4
61	MP ALPHA3	Y	-.003	4
62	MP ALPHA3	X	.002	4
63	MP ALPHA4	Y	-.003	4
64	MP ALPHA4	X	.002	4

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.046	6.25
2	MP ALPHA1	Z	-.046	1.75
3	MP BETA1	Z	-.046	6.25
4	MP BETA1	Z	-.046	1.75
5	MP GAMMA1	Z	-.046	6.25
6	MP GAMMA1	Z	-.046	1.75
7	MP ALPHA4	Z	-.117	6.583
8	MP ALPHA4	Z	-.117	1.417
9	MP BETA4	Z	-.117	6.583
10	MP BETA4	Z	-.117	1.417
11	MP GAMMA4	Z	-.117	6.583
12	MP GAMMA4	Z	-.117	1.417
13	MP ALPHA3	Z	-.118	6.583
14	MP ALPHA3	Z	-.118	1.417
15	MP BETA3	Z	-.118	6.583
16	MP BETA3	Z	-.118	1.417
17	MP GAMMA3	Z	-.118	6.583
18	MP GAMMA3	Z	-.118	1.417
19	MP ALPHA1	Z	-.04	4
20	MP BETA1	Z	-.04	4
21	MP GAMMA1	Z	-.04	4
22	MP ALPHA4	Z	-.046	4
23	MP BETA4	Z	-.046	4
24	MP GAMMA4	Z	-.046	4
25	MP ALPHA3	Z	-.04	4
26	MP BETA3	Z	-.04	4
27	MP GAMMA3	Z	-.04	4
28	MP ALPHA3	Z	-.044	4
29	MP BETA3	Z	-.044	4
30	MP GAMMA3	Z	-.044	4
31	MP ALPHA3	Z	-.069	4
32	MP ALPHA4	Z	-.069	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.019	6.25
2	MP ALPHA1	Y	-.019	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
3	MP BETA1	Y	-.011	6.25
4	MP BETA1	Y	-.011	1.75
5	MP GAMMA1	Y	-.011	6.25
6	MP GAMMA1	Y	-.011	1.75
7	MP ALPHA4	Y	-.064	6.583
8	MP ALPHA4	Y	-.064	1.417
9	MP BETA4	Y	-.037	6.583
10	MP BETA4	Y	-.037	1.417
11	MP GAMMA4	Y	-.037	6.583
12	MP GAMMA4	Y	-.037	1.417
13	MP ALPHA3	Y	-.07	6.583
14	MP ALPHA3	Y	-.07	1.417
15	MP BETA3	Y	-.041	6.583
16	MP BETA3	Y	-.041	1.417
17	MP GAMMA3	Y	-.041	6.583
18	MP GAMMA3	Y	-.041	1.417
19	MP ALPHA1	Y	-.01	4
20	MP BETA1	Y	-.009	4
21	MP GAMMA1	Y	-.009	4
22	MP ALPHA4	Y	-.011	4
23	MP BETA4	Y	-.009	4
24	MP GAMMA4	Y	-.009	4
25	MP ALPHA3	Y	-.01	4
26	MP BETA3	Y	-.007	4
27	MP GAMMA3	Y	-.007	4
28	MP ALPHA3	Y	-.009	4
29	MP BETA3	Y	-.008	4
30	MP GAMMA3	Y	-.008	4
31	MP ALPHA3	Y	-.015	4
32	MP ALPHA4	Y	-.015	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.014	6.25
2	MP ALPHA1	Y	-.014	1.75
3	MP ALPHA1	X	-.008	6.25
4	MP ALPHA1	X	-.008	1.75
5	MP BETA1	Y	-.008	6.25
6	MP BETA1	Y	-.008	1.75
7	MP BETA1	X	-.004	6.25
8	MP BETA1	X	-.004	1.75
9	MP GAMMA1	Y	-.014	6.25
10	MP GAMMA1	Y	-.014	1.75
11	MP GAMMA1	X	-.008	6.25
12	MP GAMMA1	X	-.008	1.75
13	MP ALPHA4	Y	-.048	6.583
14	MP ALPHA4	Y	-.048	1.417
15	MP ALPHA4	X	-.028	6.583
16	MP ALPHA4	X	-.028	1.417
17	MP BETA4	Y	-.024	6.583
18	MP BETA4	Y	-.024	1.417
19	MP BETA4	X	-.014	6.583
20	MP BETA4	X	-.014	1.417
21	MP GAMMA4	Y	-.048	6.583
22	MP GAMMA4	Y	-.048	1.417
23	MP GAMMA4	X	-.028	6.583

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP GAMMA4	X	-.028	1.417
25	MP ALPHA3	Y	-.052	6.583
26	MP ALPHA3	Y	-.052	1.417
27	MP ALPHA3	X	-.03	6.583
28	MP ALPHA3	X	-.03	1.417
29	MP BETA3	Y	-.026	6.583
30	MP BETA3	Y	-.026	1.417
31	MP BETA3	X	-.015	6.583
32	MP BETA3	X	-.015	1.417
33	MP GAMMA3	Y	-.052	6.583
34	MP GAMMA3	Y	-.052	1.417
35	MP GAMMA3	X	-.03	6.583
36	MP GAMMA3	X	-.03	1.417
37	MP ALPHA1	Y	-.009	4
38	MP ALPHA1	X	-.005	4
39	MP BETA1	Y	-.008	4
40	MP BETA1	X	-.004	4
41	MP GAMMA1	Y	-.009	4
42	MP GAMMA1	X	-.005	4
43	MP ALPHA4	Y	-.009	4
44	MP ALPHA4	X	-.005	4
45	MP BETA4	Y	-.007	4
46	MP BETA4	X	-.004	4
47	MP GAMMA4	Y	-.009	4
48	MP GAMMA4	X	-.005	4
49	MP ALPHA3	Y	-.008	4
50	MP ALPHA3	X	-.005	4
51	MP BETA3	Y	-.006	4
52	MP BETA3	X	-.003	4
53	MP GAMMA3	Y	-.008	4
54	MP GAMMA3	X	-.005	4
55	MP ALPHA3	Y	-.008	4
56	MP ALPHA3	X	-.004	4
57	MP BETA3	Y	-.007	4
58	MP BETA3	X	-.004	4
59	MP GAMMA3	Y	-.008	4
60	MP GAMMA3	X	-.004	4
61	MP ALPHA3	Y	-.013	4
62	MP ALPHA3	X	-.008	4
63	MP ALPHA4	Y	-.013	4
64	MP ALPHA4	X	-.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.006	6.25
2	MP ALPHA1	Y	-.006	1.75
3	MP ALPHA1	X	-.01	6.25
4	MP ALPHA1	X	-.01	1.75
5	MP BETA1	Y	-.006	6.25
6	MP BETA1	Y	-.006	1.75
7	MP BETA1	X	-.01	6.25
8	MP BETA1	X	-.01	1.75
9	MP GAMMA1	Y	-.009	6.25
10	MP GAMMA1	Y	-.009	1.75
11	MP GAMMA1	X	-.016	6.25
12	MP GAMMA1	X	-.016	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
13	MP ALPHA4	Y	-.019	6.583
14	MP ALPHA4	Y	-.019	1.417
15	MP ALPHA4	X	-.032	6.583
16	MP ALPHA4	X	-.032	1.417
17	MP BETA4	Y	-.019	6.583
18	MP BETA4	Y	-.019	1.417
19	MP BETA4	X	-.032	6.583
20	MP BETA4	X	-.032	1.417
21	MP GAMMA4	Y	-.032	6.583
22	MP GAMMA4	Y	-.032	1.417
23	MP GAMMA4	X	-.056	6.583
24	MP GAMMA4	X	-.056	1.417
25	MP ALPHA3	Y	-.02	6.583
26	MP ALPHA3	Y	-.02	1.417
27	MP ALPHA3	X	-.035	6.583
28	MP ALPHA3	X	-.035	1.417
29	MP BETA3	Y	-.02	6.583
30	MP BETA3	Y	-.02	1.417
31	MP BETA3	X	-.035	6.583
32	MP BETA3	X	-.035	1.417
33	MP GAMMA3	Y	-.035	6.583
34	MP GAMMA3	Y	-.035	1.417
35	MP GAMMA3	X	-.061	6.583
36	MP GAMMA3	X	-.061	1.417
37	MP ALPHA1	Y	-.005	4
38	MP ALPHA1	X	-.008	4
39	MP BETA1	Y	-.005	4
40	MP BETA1	X	-.008	4
41	MP GAMMA1	Y	-.005	4
42	MP GAMMA1	X	-.009	4
43	MP ALPHA4	Y	-.004	4
44	MP ALPHA4	X	-.008	4
45	MP BETA4	Y	-.004	4
46	MP BETA4	X	-.008	4
47	MP GAMMA4	Y	-.005	4
48	MP GAMMA4	X	-.009	4
49	MP ALPHA3	Y	-.004	4
50	MP ALPHA3	X	-.006	4
51	MP BETA3	Y	-.004	4
52	MP BETA3	X	-.006	4
53	MP GAMMA3	Y	-.005	4
54	MP GAMMA3	X	-.009	4
55	MP ALPHA3	Y	-.004	4
56	MP ALPHA3	X	-.007	4
57	MP BETA3	Y	-.004	4
58	MP BETA3	X	-.007	4
59	MP GAMMA3	Y	-.005	4
60	MP GAMMA3	X	-.008	4
61	MP ALPHA3	Y	-.008	4
62	MP ALPHA3	X	-.013	4
63	MP ALPHA4	Y	-.008	4
64	MP ALPHA4	X	-.013	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	X	-.009	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
2	MP ALPHA1	X	-.009	1.75
3	MP BETA1	X	-.016	6.25
4	MP BETA1	X	-.016	1.75
5	MP GAMMA1	X	-.016	6.25
6	MP GAMMA1	X	-.016	1.75
7	MP ALPHA4	X	-.028	6.583
8	MP ALPHA4	X	-.028	1.417
9	MP BETA4	X	-.055	6.583
10	MP BETA4	X	-.055	1.417
11	MP GAMMA4	X	-.055	6.583
12	MP GAMMA4	X	-.055	1.417
13	MP ALPHA3	X	-.031	6.583
14	MP ALPHA3	X	-.031	1.417
15	MP BETA3	X	-.06	6.583
16	MP BETA3	X	-.06	1.417
17	MP GAMMA3	X	-.06	6.583
18	MP GAMMA3	X	-.06	1.417
19	MP ALPHA1	X	-.009	4
20	MP BETA1	X	-.01	4
21	MP GAMMA1	X	-.01	4
22	MP ALPHA4	X	-.008	4
23	MP BETA4	X	-.01	4
24	MP GAMMA4	X	-.01	4
25	MP ALPHA3	X	-.007	4
26	MP BETA3	X	-.009	4
27	MP GAMMA3	X	-.009	4
28	MP ALPHA3	X	-.008	4
29	MP BETA3	X	-.009	4
30	MP GAMMA3	X	-.009	4
31	MP ALPHA3	X	-.015	4
32	MP ALPHA4	X	-.015	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Y	.006	6.25
2	MP ALPHA1	Y	.006	1.75
3	MP ALPHA1	X	-.01	6.25
4	MP ALPHA1	X	-.01	1.75
5	MP BETA1	Y	.009	6.25
6	MP BETA1	Y	.009	1.75
7	MP BETA1	X	-.016	6.25
8	MP BETA1	X	-.016	1.75
9	MP GAMMA1	Y	.006	6.25
10	MP GAMMA1	Y	.006	1.75
11	MP GAMMA1	X	-.01	6.25
12	MP GAMMA1	X	-.01	1.75
13	MP ALPHA4	Y	.019	6.583
14	MP ALPHA4	Y	.019	1.417
15	MP ALPHA4	X	-.032	6.583
16	MP ALPHA4	X	-.032	1.417
17	MP BETA4	Y	.032	6.583
18	MP BETA4	Y	.032	1.417
19	MP BETA4	X	-.056	6.583
20	MP BETA4	X	-.056	1.417
21	MP GAMMA4	Y	.019	6.583
22	MP GAMMA4	Y	.019	1.417

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
23	MP GAMMA4	X	-.032	6.583
24	MP GAMMA4	X	-.032	1.417
25	MP ALPHA3	Y	.02	6.583
26	MP ALPHA3	Y	.02	1.417
27	MP ALPHA3	X	-.035	6.583
28	MP ALPHA3	X	-.035	1.417
29	MP BETA3	Y	.035	6.583
30	MP BETA3	Y	.035	1.417
31	MP BETA3	X	-.061	6.583
32	MP BETA3	X	-.061	1.417
33	MP GAMMA3	Y	.02	6.583
34	MP GAMMA3	Y	.02	1.417
35	MP GAMMA3	X	-.035	6.583
36	MP GAMMA3	X	-.035	1.417
37	MP ALPHA1	Y	.005	4
38	MP ALPHA1	X	-.008	4
39	MP BETA1	Y	.005	4
40	MP BETA1	X	-.009	4
41	MP GAMMA1	Y	.005	4
42	MP GAMMA1	X	-.008	4
43	MP ALPHA4	Y	.004	4
44	MP ALPHA4	X	-.008	4
45	MP BETA4	Y	.005	4
46	MP BETA4	X	-.009	4
47	MP GAMMA4	Y	.004	4
48	MP GAMMA4	X	-.008	4
49	MP ALPHA3	Y	.004	4
50	MP ALPHA3	X	-.006	4
51	MP BETA3	Y	.005	4
52	MP BETA3	X	-.009	4
53	MP GAMMA3	Y	.004	4
54	MP GAMMA3	X	-.006	4
55	MP ALPHA3	Y	.004	4
56	MP ALPHA3	X	-.007	4
57	MP BETA3	Y	.005	4
58	MP BETA3	X	-.008	4
59	MP GAMMA3	Y	.004	4
60	MP GAMMA3	X	-.007	4
61	MP ALPHA3	Y	.008	4
62	MP ALPHA3	X	-.013	4
63	MP ALPHA4	Y	.008	4
64	MP ALPHA4	X	-.013	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Y	.014	6.25
2	MP ALPHA1	Y	.014	1.75
3	MP ALPHA1	X	-.008	6.25
4	MP ALPHA1	X	-.008	1.75
5	MP BETA1	Y	.014	6.25
6	MP BETA1	Y	.014	1.75
7	MP BETA1	X	-.008	6.25
8	MP BETA1	X	-.008	1.75
9	MP GAMMA1	Y	.008	6.25
10	MP GAMMA1	Y	.008	1.75
11	MP GAMMA1	X	-.004	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP GAMMA1	X	-.004	1.75
13	MP ALPHA4	Y	.048	6.583
14	MP ALPHA4	Y	.048	1.417
15	MP ALPHA4	X	-.028	6.583
16	MP ALPHA4	X	-.028	1.417
17	MP BETA4	Y	.048	6.583
18	MP BETA4	Y	.048	1.417
19	MP BETA4	X	-.028	6.583
20	MP BETA4	X	-.028	1.417
21	MP GAMMA4	Y	.024	6.583
22	MP GAMMA4	Y	.024	1.417
23	MP GAMMA4	X	-.014	6.583
24	MP GAMMA4	X	-.014	1.417
25	MP ALPHA3	Y	.052	6.583
26	MP ALPHA3	Y	.052	1.417
27	MP ALPHA3	X	-.03	6.583
28	MP ALPHA3	X	-.03	1.417
29	MP BETA3	Y	.052	6.583
30	MP BETA3	Y	.052	1.417
31	MP BETA3	X	-.03	6.583
32	MP BETA3	X	-.03	1.417
33	MP GAMMA3	Y	.026	6.583
34	MP GAMMA3	Y	.026	1.417
35	MP GAMMA3	X	-.015	6.583
36	MP GAMMA3	X	-.015	1.417
37	MP ALPHA1	Y	.009	4
38	MP ALPHA1	X	-.005	4
39	MP BETA1	Y	.009	4
40	MP BETA1	X	-.005	4
41	MP GAMMA1	Y	.008	4
42	MP GAMMA1	X	-.004	4
43	MP ALPHA4	Y	.009	4
44	MP ALPHA4	X	-.005	4
45	MP BETA4	Y	.009	4
46	MP BETA4	X	-.005	4
47	MP GAMMA4	Y	.007	4
48	MP GAMMA4	X	-.004	4
49	MP ALPHA3	Y	.008	4
50	MP ALPHA3	X	-.005	4
51	MP BETA3	Y	.008	4
52	MP BETA3	X	-.005	4
53	MP GAMMA3	Y	.006	4
54	MP GAMMA3	X	-.003	4
55	MP ALPHA3	Y	.008	4
56	MP ALPHA3	X	-.004	4
57	MP BETA3	Y	.008	4
58	MP BETA3	X	-.004	4
59	MP GAMMA3	Y	.007	4
60	MP GAMMA3	X	-.004	4
61	MP ALPHA3	Y	.013	4
62	MP ALPHA3	X	-.008	4
63	MP ALPHA4	Y	.013	4
64	MP ALPHA4	X	-.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
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Member Point Loads (BLC 34 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Y	.019	6.25
2	MP ALPHA1	Y	.019	1.75
3	MP BETA1	Y	.011	6.25
4	MP BETA1	Y	.011	1.75
5	MP GAMMA1	Y	.011	6.25
6	MP GAMMA1	Y	.011	1.75
7	MP ALPHA4	Y	.064	6.583
8	MP ALPHA4	Y	.064	1.417
9	MP BETA4	Y	.037	6.583
10	MP BETA4	Y	.037	1.417
11	MP GAMMA4	Y	.037	6.583
12	MP GAMMA4	Y	.037	1.417
13	MP ALPHA3	Y	.07	6.583
14	MP ALPHA3	Y	.07	1.417
15	MP BETA3	Y	.041	6.583
16	MP BETA3	Y	.041	1.417
17	MP GAMMA3	Y	.041	6.583
18	MP GAMMA3	Y	.041	1.417
19	MP ALPHA1	Y	.01	4
20	MP BETA1	Y	.009	4
21	MP GAMMA1	Y	.009	4
22	MP ALPHA4	Y	.011	4
23	MP BETA4	Y	.009	4
24	MP GAMMA4	Y	.009	4
25	MP ALPHA3	Y	.01	4
26	MP BETA3	Y	.007	4
27	MP GAMMA3	Y	.007	4
28	MP ALPHA3	Y	.009	4
29	MP BETA3	Y	.008	4
30	MP GAMMA3	Y	.008	4
31	MP ALPHA3	Y	.015	4
32	MP ALPHA4	Y	.015	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Y	.014	6.25
2	MP ALPHA1	Y	.014	1.75
3	MP ALPHA1	X	.008	6.25
4	MP ALPHA1	X	.008	1.75
5	MP BETA1	Y	.008	6.25
6	MP BETA1	Y	.008	1.75
7	MP BETA1	X	.004	6.25
8	MP BETA1	X	.004	1.75
9	MP GAMMA1	Y	.014	6.25
10	MP GAMMA1	Y	.014	1.75
11	MP GAMMA1	X	.008	6.25
12	MP GAMMA1	X	.008	1.75
13	MP ALPHA4	Y	.048	6.583
14	MP ALPHA4	Y	.048	1.417
15	MP ALPHA4	X	.028	6.583
16	MP ALPHA4	X	.028	1.417
17	MP BETA4	Y	.024	6.583
18	MP BETA4	Y	.024	1.417
19	MP BETA4	X	.014	6.583
20	MP BETA4	X	.014	1.417
21	MP GAMMA4	Y	.048	6.583

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP GAMMA4	Y	.048	1.417
23	MP GAMMA4	X	.028	6.583
24	MP GAMMA4	X	.028	1.417
25	MP ALPHA3	Y	.052	6.583
26	MP ALPHA3	Y	.052	1.417
27	MP ALPHA3	X	.03	6.583
28	MP ALPHA3	X	.03	1.417
29	MP BETA3	Y	.026	6.583
30	MP BETA3	Y	.026	1.417
31	MP BETA3	X	.015	6.583
32	MP BETA3	X	.015	1.417
33	MP GAMMA3	Y	.052	6.583
34	MP GAMMA3	Y	.052	1.417
35	MP GAMMA3	X	.03	6.583
36	MP GAMMA3	X	.03	1.417
37	MP ALPHA1	Y	.009	4
38	MP ALPHA1	X	.005	4
39	MP BETA1	Y	.008	4
40	MP BETA1	X	.004	4
41	MP GAMMA1	Y	.009	4
42	MP GAMMA1	X	.005	4
43	MP ALPHA4	Y	.009	4
44	MP ALPHA4	X	.005	4
45	MP BETA4	Y	.007	4
46	MP BETA4	X	.004	4
47	MP GAMMA4	Y	.009	4
48	MP GAMMA4	X	.005	4
49	MP ALPHA3	Y	.008	4
50	MP ALPHA3	X	.005	4
51	MP BETA3	Y	.006	4
52	MP BETA3	X	.003	4
53	MP GAMMA3	Y	.008	4
54	MP GAMMA3	X	.005	4
55	MP ALPHA3	Y	.008	4
56	MP ALPHA3	X	.004	4
57	MP BETA3	Y	.007	4
58	MP BETA3	X	.004	4
59	MP GAMMA3	Y	.008	4
60	MP GAMMA3	X	.004	4
61	MP ALPHA3	Y	.013	4
62	MP ALPHA3	X	.008	4
63	MP ALPHA4	Y	.013	4
64	MP ALPHA4	X	.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.006	6.25
2	MP ALPHA1	Y	.006	1.75
3	MP ALPHA1	X	.01	6.25
4	MP ALPHA1	X	.01	1.75
5	MP BETA1	Y	.006	6.25
6	MP BETA1	Y	.006	1.75
7	MP BETA1	X	.01	6.25
8	MP BETA1	X	.01	1.75
9	MP GAMMA1	Y	.009	6.25
10	MP GAMMA1	Y	.009	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA1	X	.016	6.25
12	MP GAMMA1	X	.016	1.75
13	MP ALPHA4	Y	.019	6.583
14	MP ALPHA4	Y	.019	1.417
15	MP ALPHA4	X	.032	6.583
16	MP ALPHA4	X	.032	1.417
17	MP BETA4	Y	.019	6.583
18	MP BETA4	Y	.019	1.417
19	MP BETA4	X	.032	6.583
20	MP BETA4	X	.032	1.417
21	MP GAMMA4	Y	.032	6.583
22	MP GAMMA4	Y	.032	1.417
23	MP GAMMA4	X	.056	6.583
24	MP GAMMA4	X	.056	1.417
25	MP ALPHA3	Y	.02	6.583
26	MP ALPHA3	Y	.02	1.417
27	MP ALPHA3	X	.035	6.583
28	MP ALPHA3	X	.035	1.417
29	MP BETA3	Y	.02	6.583
30	MP BETA3	Y	.02	1.417
31	MP BETA3	X	.035	6.583
32	MP BETA3	X	.035	1.417
33	MP GAMMA3	Y	.035	6.583
34	MP GAMMA3	Y	.035	1.417
35	MP GAMMA3	X	.061	6.583
36	MP GAMMA3	X	.061	1.417
37	MP ALPHA1	Y	.005	4
38	MP ALPHA1	X	.008	4
39	MP BETA1	Y	.005	4
40	MP BETA1	X	.008	4
41	MP GAMMA1	Y	.005	4
42	MP GAMMA1	X	.009	4
43	MP ALPHA4	Y	.004	4
44	MP ALPHA4	X	.008	4
45	MP BETA4	Y	.004	4
46	MP BETA4	X	.008	4
47	MP GAMMA4	Y	.005	4
48	MP GAMMA4	X	.009	4
49	MP ALPHA3	Y	.004	4
50	MP ALPHA3	X	.006	4
51	MP BETA3	Y	.004	4
52	MP BETA3	X	.006	4
53	MP GAMMA3	Y	.005	4
54	MP GAMMA3	X	.009	4
55	MP ALPHA3	Y	.004	4
56	MP ALPHA3	X	.007	4
57	MP BETA3	Y	.004	4
58	MP BETA3	X	.007	4
59	MP GAMMA3	Y	.005	4
60	MP GAMMA3	X	.008	4
61	MP ALPHA3	Y	.008	4
62	MP ALPHA3	X	.013	4
63	MP ALPHA4	Y	.008	4
64	MP ALPHA4	X	.013	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
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Member Point Loads (BLC 37 : Ice Wind Load (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	X	.009	6.25
2	MP ALPHA1	X	.009	1.75
3	MP BETA1	X	.016	6.25
4	MP BETA1	X	.016	1.75
5	MP GAMMA1	X	.016	6.25
6	MP GAMMA1	X	.016	1.75
7	MP ALPHA4	X	.028	6.583
8	MP ALPHA4	X	.028	1.417
9	MP BETA4	X	.055	6.583
10	MP BETA4	X	.055	1.417
11	MP GAMMA4	X	.055	6.583
12	MP GAMMA4	X	.055	1.417
13	MP ALPHA3	X	.031	6.583
14	MP ALPHA3	X	.031	1.417
15	MP BETA3	X	.06	6.583
16	MP BETA3	X	.06	1.417
17	MP GAMMA3	X	.06	6.583
18	MP GAMMA3	X	.06	1.417
19	MP ALPHA1	X	.009	4
20	MP BETA1	X	.01	4
21	MP GAMMA1	X	.01	4
22	MP ALPHA4	X	.008	4
23	MP BETA4	X	.01	4
24	MP GAMMA4	X	.01	4
25	MP ALPHA3	X	.007	4
26	MP BETA3	X	.009	4
27	MP GAMMA3	X	.009	4
28	MP ALPHA3	X	.008	4
29	MP BETA3	X	.009	4
30	MP GAMMA3	X	.009	4
31	MP ALPHA3	X	.015	4
32	MP ALPHA4	X	.015	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Y	-.006	6.25
2	MP ALPHA1	Y	-.006	1.75
3	MP ALPHA1	X	.01	6.25
4	MP ALPHA1	X	.01	1.75
5	MP BETA1	Y	-.009	6.25
6	MP BETA1	Y	-.009	1.75
7	MP BETA1	X	.016	6.25
8	MP BETA1	X	.016	1.75
9	MP GAMMA1	Y	-.006	6.25
10	MP GAMMA1	Y	-.006	1.75
11	MP GAMMA1	X	.01	6.25
12	MP GAMMA1	X	.01	1.75
13	MP ALPHA4	Y	-.019	6.583
14	MP ALPHA4	Y	-.019	1.417
15	MP ALPHA4	X	.032	6.583
16	MP ALPHA4	X	.032	1.417
17	MP BETA4	Y	-.032	6.583
18	MP BETA4	Y	-.032	1.417
19	MP BETA4	X	.056	6.583
20	MP BETA4	X	.056	1.417
21	MP GAMMA4	Y	-.019	6.583

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP GAMMA4	Y	-.019	1.417
23	MP GAMMA4	X	.032	6.583
24	MP GAMMA4	X	.032	1.417
25	MP ALPHA3	Y	-.02	6.583
26	MP ALPHA3	Y	-.02	1.417
27	MP ALPHA3	X	.035	6.583
28	MP ALPHA3	X	.035	1.417
29	MP BETA3	Y	-.035	6.583
30	MP BETA3	Y	-.035	1.417
31	MP BETA3	X	.061	6.583
32	MP BETA3	X	.061	1.417
33	MP GAMMA3	Y	-.02	6.583
34	MP GAMMA3	Y	-.02	1.417
35	MP GAMMA3	X	.035	6.583
36	MP GAMMA3	X	.035	1.417
37	MP ALPHA1	Y	-.005	4
38	MP ALPHA1	X	.008	4
39	MP BETA1	Y	-.005	4
40	MP BETA1	X	.009	4
41	MP GAMMA1	Y	-.005	4
42	MP GAMMA1	X	.008	4
43	MP ALPHA4	Y	-.004	4
44	MP ALPHA4	X	.008	4
45	MP BETA4	Y	-.005	4
46	MP BETA4	X	.009	4
47	MP GAMMA4	Y	-.004	4
48	MP GAMMA4	X	.008	4
49	MP ALPHA3	Y	-.004	4
50	MP ALPHA3	X	.006	4
51	MP BETA3	Y	-.005	4
52	MP BETA3	X	.009	4
53	MP GAMMA3	Y	-.004	4
54	MP GAMMA3	X	.006	4
55	MP ALPHA3	Y	-.004	4
56	MP ALPHA3	X	.007	4
57	MP BETA3	Y	-.005	4
58	MP BETA3	X	.008	4
59	MP GAMMA3	Y	-.004	4
60	MP GAMMA3	X	.007	4
61	MP ALPHA3	Y	-.008	4
62	MP ALPHA3	X	.013	4
63	MP ALPHA4	Y	-.008	4
64	MP ALPHA4	X	.013	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.014	6.25
2	MP ALPHA1	Y	-.014	1.75
3	MP ALPHA1	X	.008	6.25
4	MP ALPHA1	X	.008	1.75
5	MP BETA1	Y	-.014	6.25
6	MP BETA1	Y	-.014	1.75
7	MP BETA1	X	.008	6.25
8	MP BETA1	X	.008	1.75
9	MP GAMMA1	Y	-.008	6.25
10	MP GAMMA1	Y	-.008	1.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
11	MP GAMMA1	X	.004	6.25
12	MP GAMMA1	X	.004	1.75
13	MP ALPHA4	Y	-.048	6.583
14	MP ALPHA4	Y	-.048	1.417
15	MP ALPHA4	X	.028	6.583
16	MP ALPHA4	X	.028	1.417
17	MP BETA4	Y	-.048	6.583
18	MP BETA4	Y	-.048	1.417
19	MP BETA4	X	.028	6.583
20	MP BETA4	X	.028	1.417
21	MP GAMMA4	Y	-.024	6.583
22	MP GAMMA4	Y	-.024	1.417
23	MP GAMMA4	X	.014	6.583
24	MP GAMMA4	X	.014	1.417
25	MP ALPHA3	Y	-.052	6.583
26	MP ALPHA3	Y	-.052	1.417
27	MP ALPHA3	X	.03	6.583
28	MP ALPHA3	X	.03	1.417
29	MP BETA3	Y	-.052	6.583
30	MP BETA3	Y	-.052	1.417
31	MP BETA3	X	.03	6.583
32	MP BETA3	X	.03	1.417
33	MP GAMMA3	Y	-.026	6.583
34	MP GAMMA3	Y	-.026	1.417
35	MP GAMMA3	X	.015	6.583
36	MP GAMMA3	X	.015	1.417
37	MP ALPHA1	Y	-.009	4
38	MP ALPHA1	X	.005	4
39	MP BETA1	Y	-.009	4
40	MP BETA1	X	.005	4
41	MP GAMMA1	Y	-.008	4
42	MP GAMMA1	X	.004	4
43	MP ALPHA4	Y	-.009	4
44	MP ALPHA4	X	.005	4
45	MP BETA4	Y	-.009	4
46	MP BETA4	X	.005	4
47	MP GAMMA4	Y	-.007	4
48	MP GAMMA4	X	.004	4
49	MP ALPHA3	Y	-.008	4
50	MP ALPHA3	X	.005	4
51	MP BETA3	Y	-.008	4
52	MP BETA3	X	.005	4
53	MP GAMMA3	Y	-.006	4
54	MP GAMMA3	X	.003	4
55	MP ALPHA3	Y	-.008	4
56	MP ALPHA3	X	.004	4
57	MP BETA3	Y	-.008	4
58	MP BETA3	X	.004	4
59	MP GAMMA3	Y	-.007	4
60	MP GAMMA3	X	.004	4
61	MP ALPHA3	Y	-.013	4
62	MP ALPHA3	X	.008	4
63	MP ALPHA4	Y	-.013	4
64	MP ALPHA4	X	.008	4

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	X	-.002	6.25
2	MP ALPHA1	X	-.002	1.75
3	MP BETA1	X	-.002	6.25
4	MP BETA1	X	-.002	1.75
5	MP GAMMA1	X	-.002	6.25
6	MP GAMMA1	X	-.002	1.75
7	MP ALPHA4	X	-.005	6.583
8	MP ALPHA4	X	-.005	1.417
9	MP BETA4	X	-.005	6.583
10	MP BETA4	X	-.005	1.417
11	MP GAMMA4	X	-.005	6.583
12	MP GAMMA4	X	-.005	1.417
13	MP ALPHA3	X	-.004	6.583
14	MP ALPHA3	X	-.004	1.417
15	MP BETA3	X	-.004	6.583
16	MP BETA3	X	-.004	1.417
17	MP GAMMA3	X	-.004	6.583
18	MP GAMMA3	X	-.004	1.417
19	MP ALPHA1	X	-.004	4
20	MP BETA1	X	-.004	4
21	MP GAMMA1	X	-.004	4
22	MP ALPHA4	X	-.007	4
23	MP BETA4	X	-.007	4
24	MP GAMMA4	X	-.007	4
25	MP ALPHA3	X	-.006	4
26	MP BETA3	X	-.006	4
27	MP GAMMA3	X	-.006	4
28	MP ALPHA3	X	-.007	4
29	MP BETA3	X	-.007	4
30	MP GAMMA3	X	-.007	4
31	MP ALPHA3	X	-.003	4
32	MP ALPHA4	X	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Y	-.002	6.25
2	MP ALPHA1	Y	-.002	1.75
3	MP BETA1	Y	-.002	6.25
4	MP BETA1	Y	-.002	1.75
5	MP GAMMA1	Y	-.002	6.25
6	MP GAMMA1	Y	-.002	1.75
7	MP ALPHA4	Y	-.005	6.583
8	MP ALPHA4	Y	-.005	1.417
9	MP BETA4	Y	-.005	6.583
10	MP BETA4	Y	-.005	1.417
11	MP GAMMA4	Y	-.005	6.583
12	MP GAMMA4	Y	-.005	1.417
13	MP ALPHA3	Y	-.004	6.583
14	MP ALPHA3	Y	-.004	1.417
15	MP BETA3	Y	-.004	6.583
16	MP BETA3	Y	-.004	1.417
17	MP GAMMA3	Y	-.004	6.583
18	MP GAMMA3	Y	-.004	1.417
19	MP ALPHA1	Y	-.004	4
20	MP BETA1	Y	-.004	4
21	MP GAMMA1	Y	-.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
22	MP ALPHA4	Y	-.007	4
23	MP BETA4	Y	-.007	4
24	MP GAMMA4	Y	-.007	4
25	MP ALPHA3	Y	-.006	4
26	MP BETA3	Y	-.006	4
27	MP GAMMA3	Y	-.006	4
28	MP ALPHA3	Y	-.007	4
29	MP BETA3	Y	-.007	4
30	MP GAMMA3	Y	-.007	4
31	MP ALPHA3	Y	-.003	4
32	MP ALPHA4	Y	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.000811	6.25
2	MP ALPHA1	Z	-.000811	1.75
3	MP BETA1	Z	-.000811	6.25
4	MP BETA1	Z	-.000811	1.75
5	MP GAMMA1	Z	-.000811	6.25
6	MP GAMMA1	Z	-.000811	1.75
7	MP ALPHA4	Z	-.002	6.583
8	MP ALPHA4	Z	-.002	1.417
9	MP BETA4	Z	-.002	6.583
10	MP BETA4	Z	-.002	1.417
11	MP GAMMA4	Z	-.002	6.583
12	MP GAMMA4	Z	-.002	1.417
13	MP ALPHA3	Z	-.002	6.583
14	MP ALPHA3	Z	-.002	1.417
15	MP BETA3	Z	-.002	6.583
16	MP BETA3	Z	-.002	1.417
17	MP GAMMA3	Z	-.002	6.583
18	MP GAMMA3	Z	-.002	1.417
19	MP ALPHA1	Z	-.002	4
20	MP BETA1	Z	-.002	4
21	MP GAMMA1	Z	-.002	4
22	MP ALPHA4	Z	-.003	4
23	MP BETA4	Z	-.003	4
24	MP GAMMA4	Z	-.003	4
25	MP ALPHA3	Z	-.002	4
26	MP BETA3	Z	-.002	4
27	MP GAMMA3	Z	-.002	4
28	MP ALPHA3	Z	-.003	4
29	MP BETA3	Z	-.003	4
30	MP GAMMA3	Z	-.003	4
31	MP ALPHA3	Z	-.001	4
32	MP ALPHA4	Z	-.001	4

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

	Member Label	Direction	Start Magnitude[k/ft, ...]	End Magnitude[k/ft, F...]	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.008	-.008	0	0
2	SUP3A	PY	-.008	-.008	0	0
3	SUP2B	PY	-.008	-.008	0	0
4	SUP2A	PY	-.008	-.008	0	0
5	SUP1B	PY	-.008	-.008	0	0
6	SUP1A	PY	-.008	-.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
7	SO3	PY	-0.009	-0.009	0	0
8	SO2	PY	-0.009	-0.009	0	0
9	SO1	PY	-0.009	-0.009	0	0
10	RC3	PY	-0.009	-0.009	0	0
11	RC2	PY	-0.009	-0.009	0	0
12	RC1	PY	-0.009	-0.009	0	0
13	RAIL3	PY	-0.004	-0.004	0	0
14	RAIL2	PY	-0.004	-0.004	0	0
15	RAIL1	PY	-0.007	-0.007	0	0
16	PLATECORNER3C	PY	-0.023	-0.023	0	0
17	PLATECORNER3B	PY	-0.023	-0.023	0	0
18	PLATECORNER3A	PY	-0.023	-0.023	0	0
19	PLATECORNER2C	PY	-0.023	-0.023	0	0
20	PLATECORNER2B	PY	-0.023	-0.023	0	0
21	PLATECORNER2A	PY	-0.023	-0.023	0	0
22	PLATECORNER1C	PY	-0.023	-0.023	0	0
23	PLATECORNER1B	PY	-0.023	-0.023	0	0
24	PLATECORNER1A	PY	-0.023	-0.023	0	0
25	PLATE12	PY	-0.023	-0.023	0	0
26	PLATE11	PY	-0.023	-0.023	0	0
27	PLATE10	PY	-0.023	-0.023	0	0
28	PLATE9	PY	-0.023	-0.023	0	0
29	PLATE8	PY	-0.023	-0.023	0	0
30	PLATE7	PY	-0.023	-0.023	0	0
31	PLATE6	PY	-0.023	-0.023	0	0
32	PLATE5	PY	-0.023	-0.023	0	0
33	PLATE4	PY	-0.023	-0.023	0	0
34	PLATE3	PY	-0.023	-0.023	0	0
35	PLATE2	PY	-0.023	-0.023	0	0
36	PLATE1	PY	-0.023	-0.023	0	0
37	PIPE3	PY	-0.003	-0.003	0	0
38	PIPE2	PY	-0.003	-0.003	0	0
39	PIPE1	PY	-0.003	-0.003	0	0
40	MP GAMMA4	PY	-0.011	-0.011	0	0
41	MP GAMMA3	PY	-0.011	-0.011	0	0
42	MP GAMMA2	PY	-0.011	-0.011	0	0
43	MP GAMMA1	PY	-0.011	-0.011	0	0
44	MP BETA4	PY	-0.011	-0.011	0	0
45	MP BETA3	PY	-0.011	-0.011	0	0
46	MP BETA2	PY	-0.011	-0.011	0	0
47	MP BETA1	PY	-0.011	-0.011	0	0
48	MP ALPHA4	PY	-0.011	-0.011	0	0
49	MP ALPHA3	PY	-0.011	-0.011	0	0
50	MP ALPHA2	PY	-0.011	-0.011	0	0
51	MP ALPHA1	PY	-0.011	-0.011	0	0
52	FACEBOT3	PY	-0.009	-0.009	0	0
53	FACEBOT2	PY	-0.009	-0.009	0	0
54	FACEBOT1	PY	-0.005	-0.005	0	0
55	CR3B	PY	-0.009	-0.009	0	0
56	CR3A	PY	-0.009	-0.009	0	0
57	CR2B	PY	-0.009	-0.009	0	0
58	CR2A	PY	-0.009	-0.009	0	0
59	CR1B	PY	-0.009	-0.009	0	0
60	CR1A	PY	-0.009	-0.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
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Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-0.007	-0.007	0	0
2	SUP3A	PY	-0.007	-0.007	0	0
3	SUP2B	PY	-0.007	-0.007	0	0
4	SUP2A	PY	-0.007	-0.007	0	0
5	SUP1B	PY	-0.007	-0.007	0	0
6	SUP1A	PY	-0.007	-0.007	0	0
7	SO3	PY	-0.008	-0.008	0	0
8	SO2	PY	-0.008	-0.008	0	0
9	SO1	PY	-0.008	-0.008	0	0
10	RC3	PY	-0.008	-0.008	0	0
11	RC2	PY	-0.008	-0.008	0	0
12	RC1	PY	-0.008	-0.008	0	0
13	RAIL3	PY	-0.003	-0.003	0	0
14	RAIL2	PY	-0.003	-0.003	0	0
15	RAIL1	PY	-0.006	-0.006	0	0
16	PLATECORNER3C	PY	-0.02	-0.02	0	0
17	PLATECORNER3B	PY	-0.02	-0.02	0	0
18	PLATECORNER3A	PY	-0.02	-0.02	0	0
19	PLATECORNER2C	PY	-0.02	-0.02	0	0
20	PLATECORNER2B	PY	-0.02	-0.02	0	0
21	PLATECORNER2A	PY	-0.02	-0.02	0	0
22	PLATECORNER1C	PY	-0.02	-0.02	0	0
23	PLATECORNER1B	PY	-0.02	-0.02	0	0
24	PLATECORNER1A	PY	-0.02	-0.02	0	0
25	PLATE12	PY	-0.02	-0.02	0	0
26	PLATE11	PY	-0.02	-0.02	0	0
27	PLATE10	PY	-0.02	-0.02	0	0
28	PLATE9	PY	-0.02	-0.02	0	0
29	PLATE8	PY	-0.02	-0.02	0	0
30	PLATE7	PY	-0.02	-0.02	0	0
31	PLATE6	PY	-0.02	-0.02	0	0
32	PLATE5	PY	-0.02	-0.02	0	0
33	PLATE4	PY	-0.02	-0.02	0	0
34	PLATE3	PY	-0.02	-0.02	0	0
35	PLATE2	PY	-0.02	-0.02	0	0
36	PLATE1	PY	-0.02	-0.02	0	0
37	PIPE3	PY	-0.003	-0.003	0	0
38	PIPE2	PY	-0.003	-0.003	0	0
39	PIPE1	PY	-0.003	-0.003	0	0
40	MP GAMMA4	PY	-0.009	-0.009	0	0
41	MP GAMMA3	PY	-0.009	-0.009	0	0
42	MP GAMMA2	PY	-0.009	-0.009	0	0
43	MP GAMMA1	PY	-0.009	-0.009	0	0
44	MP BETA4	PY	-0.009	-0.009	0	0
45	MP BETA3	PY	-0.009	-0.009	0	0
46	MP BETA2	PY	-0.009	-0.009	0	0
47	MP BETA1	PY	-0.009	-0.009	0	0
48	MP ALPHA4	PY	-0.009	-0.009	0	0
49	MP ALPHA3	PY	-0.009	-0.009	0	0
50	MP ALPHA2	PY	-0.009	-0.009	0	0
51	MP ALPHA1	PY	-0.009	-0.009	0	0
52	FACEBOT3	PY	-0.008	-0.008	0	0
53	FACEBOT2	PY	-0.008	-0.008	0	0
54	FACEBOT1	PY	-0.004	-0.004	0	0
55	CR3B	PY	-0.008	-0.008	0	0
56	CR3A	PY	-0.008	-0.008	0	0
57	CR2B	PY	-0.008	-0.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	CR2A	PY	-0.008	-0.008	0	0
59	CR1B	PY	-0.008	-0.008	0	0
60	CR1A	PY	-0.008	-0.008	0	0
61	SUP3B	PX	-0.004	-0.004	0	0
62	SUP3A	PX	-0.004	-0.004	0	0
63	SUP2B	PX	-0.004	-0.004	0	0
64	SUP2A	PX	-0.004	-0.004	0	0
65	SUP1B	PX	-0.004	-0.004	0	0
66	SUP1A	PX	-0.004	-0.004	0	0
67	SO3	PX	-0.005	-0.005	0	0
68	SO2	PX	-0.005	-0.005	0	0
69	SO1	PX	-0.005	-0.005	0	0
70	RC3	PX	-0.005	-0.005	0	0
71	RC2	PX	-0.005	-0.005	0	0
72	RC1	PX	-0.005	-0.005	0	0
73	RAIL3	PX	-0.002	-0.002	0	0
74	RAIL2	PX	-0.002	-0.002	0	0
75	RAIL1	PX	-0.004	-0.004	0	0
76	PLATECORNER3C	PX	-0.011	-0.011	0	0
77	PLATECORNER3B	PX	-0.011	-0.011	0	0
78	PLATECORNER3A	PX	-0.011	-0.011	0	0
79	PLATECORNER2C	PX	-0.011	-0.011	0	0
80	PLATECORNER2B	PX	-0.011	-0.011	0	0
81	PLATECORNER2A	PX	-0.011	-0.011	0	0
82	PLATECORNER1C	PX	-0.011	-0.011	0	0
83	PLATECORNER1B	PX	-0.011	-0.011	0	0
84	PLATECORNER1A	PX	-0.011	-0.011	0	0
85	PLATE12	PX	-0.011	-0.011	0	0
86	PLATE11	PX	-0.011	-0.011	0	0
87	PLATE10	PX	-0.011	-0.011	0	0
88	PLATE9	PX	-0.011	-0.011	0	0
89	PLATE8	PX	-0.011	-0.011	0	0
90	PLATE7	PX	-0.011	-0.011	0	0
91	PLATE6	PX	-0.011	-0.011	0	0
92	PLATE5	PX	-0.011	-0.011	0	0
93	PLATE4	PX	-0.011	-0.011	0	0
94	PLATE3	PX	-0.011	-0.011	0	0
95	PLATE2	PX	-0.011	-0.011	0	0
96	PLATE1	PX	-0.011	-0.011	0	0
97	PIPE3	PX	-0.002	-0.002	0	0
98	PIPE2	PX	-0.002	-0.002	0	0
99	PIPE1	PX	-0.002	-0.002	0	0
100	MP GAMMA4	PX	-0.005	-0.005	0	0
101	MP GAMMA3	PX	-0.005	-0.005	0	0
102	MP GAMMA2	PX	-0.005	-0.005	0	0
103	MP GAMMA1	PX	-0.005	-0.005	0	0
104	MP BETA4	PX	-0.005	-0.005	0	0
105	MP BETA3	PX	-0.005	-0.005	0	0
106	MP BETA2	PX	-0.005	-0.005	0	0
107	MP BETA1	PX	-0.005	-0.005	0	0
108	MP ALPHA4	PX	-0.005	-0.005	0	0
109	MP ALPHA3	PX	-0.005	-0.005	0	0
110	MP ALPHA2	PX	-0.005	-0.005	0	0
111	MP ALPHA1	PX	-0.005	-0.005	0	0
112	FACEBOT3	PX	-0.005	-0.005	0	0
113	FACEBOT2	PX	-0.005	-0.005	0	0
114	FACEBOT1	PX	-0.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	CR3B	PX	-0.005	-0.005	0	0
116	CR3A	PX	-0.005	-0.005	0	0
117	CR2B	PX	-0.005	-0.005	0	0
118	CR2A	PX	-0.005	-0.005	0	0
119	CR1B	PX	-0.005	-0.005	0	0
120	CR1A	PX	-0.005	-0.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-0.004	-0.004	0	0
2	SUP3A	PY	-0.004	-0.004	0	0
3	SUP2B	PY	-0.004	-0.004	0	0
4	SUP2A	PY	-0.004	-0.004	0	0
5	SUP1B	PY	-0.004	-0.004	0	0
6	SUP1A	PY	-0.004	-0.004	0	0
7	SO3	PY	-0.005	-0.005	0	0
8	SO2	PY	-0.005	-0.005	0	0
9	SO1	PY	-0.005	-0.005	0	0
10	RC3	PY	-0.005	-0.005	0	0
11	RC2	PY	-0.005	-0.005	0	0
12	RC1	PY	-0.005	-0.005	0	0
13	RAIL3	PY	-0.002	-0.002	0	0
14	RAIL2	PY	-0.002	-0.002	0	0
15	RAIL1	PY	-0.004	-0.004	0	0
16	PLATECORNER3C	PY	-0.011	-0.011	0	0
17	PLATECORNER3B	PY	-0.011	-0.011	0	0
18	PLATECORNER3A	PY	-0.011	-0.011	0	0
19	PLATECORNER2C	PY	-0.011	-0.011	0	0
20	PLATECORNER2B	PY	-0.011	-0.011	0	0
21	PLATECORNER2A	PY	-0.011	-0.011	0	0
22	PLATECORNER1C	PY	-0.011	-0.011	0	0
23	PLATECORNER1B	PY	-0.011	-0.011	0	0
24	PLATECORNER1A	PY	-0.011	-0.011	0	0
25	PLATE12	PY	-0.011	-0.011	0	0
26	PLATE11	PY	-0.011	-0.011	0	0
27	PLATE10	PY	-0.011	-0.011	0	0
28	PLATE9	PY	-0.011	-0.011	0	0
29	PLATE8	PY	-0.011	-0.011	0	0
30	PLATE7	PY	-0.011	-0.011	0	0
31	PLATE6	PY	-0.011	-0.011	0	0
32	PLATE5	PY	-0.011	-0.011	0	0
33	PLATE4	PY	-0.011	-0.011	0	0
34	PLATE3	PY	-0.011	-0.011	0	0
35	PLATE2	PY	-0.011	-0.011	0	0
36	PLATE1	PY	-0.011	-0.011	0	0
37	PIPE3	PY	-0.002	-0.002	0	0
38	PIPE2	PY	-0.002	-0.002	0	0
39	PIPE1	PY	-0.002	-0.002	0	0
40	MP GAMMA4	PY	-0.005	-0.005	0	0
41	MP GAMMA3	PY	-0.005	-0.005	0	0
42	MP GAMMA2	PY	-0.005	-0.005	0	0
43	MP GAMMA1	PY	-0.005	-0.005	0	0
44	MP BETA4	PY	-0.005	-0.005	0	0
45	MP BETA3	PY	-0.005	-0.005	0	0
46	MP BETA2	PY	-0.005	-0.005	0	0
47	MP BETA1	PY	-0.005	-0.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
48	MP ALPHA4	PY	-.005	-.005	0	0
49	MP ALPHA3	PY	-.005	-.005	0	0
50	MP ALPHA2	PY	-.005	-.005	0	0
51	MP ALPHA1	PY	-.005	-.005	0	0
52	FACEBOT3	PY	-.005	-.005	0	0
53	FACEBOT2	PY	-.005	-.005	0	0
54	FACEBOT1	PY	-.002	-.002	0	0
55	CR3B	PY	-.005	-.005	0	0
56	CR3A	PY	-.005	-.005	0	0
57	CR2B	PY	-.005	-.005	0	0
58	CR2A	PY	-.005	-.005	0	0
59	CR1B	PY	-.005	-.005	0	0
60	CR1A	PY	-.005	-.005	0	0
61	SUP3B	PX	-.007	-.007	0	0
62	SUP3A	PX	-.007	-.007	0	0
63	SUP2B	PX	-.007	-.007	0	0
64	SUP2A	PX	-.007	-.007	0	0
65	SUP1B	PX	-.007	-.007	0	0
66	SUP1A	PX	-.007	-.007	0	0
67	SO3	PX	-.008	-.008	0	0
68	SO2	PX	-.008	-.008	0	0
69	SO1	PX	-.008	-.008	0	0
70	RC3	PX	-.008	-.008	0	0
71	RC2	PX	-.008	-.008	0	0
72	RC1	PX	-.008	-.008	0	0
73	RAIL3	PX	-.003	-.003	0	0
74	RAIL2	PX	-.003	-.003	0	0
75	RAIL1	PX	-.006	-.006	0	0
76	PLATECORNER3C	PX	-.02	-.02	0	0
77	PLATECORNER3B	PX	-.02	-.02	0	0
78	PLATECORNER3A	PX	-.02	-.02	0	0
79	PLATECORNER2C	PX	-.02	-.02	0	0
80	PLATECORNER2B	PX	-.02	-.02	0	0
81	PLATECORNER2A	PX	-.02	-.02	0	0
82	PLATECORNER1C	PX	-.02	-.02	0	0
83	PLATECORNER1B	PX	-.02	-.02	0	0
84	PLATECORNER1A	PX	-.02	-.02	0	0
85	PLATE12	PX	-.02	-.02	0	0
86	PLATE11	PX	-.02	-.02	0	0
87	PLATE10	PX	-.02	-.02	0	0
88	PLATE9	PX	-.02	-.02	0	0
89	PLATE8	PX	-.02	-.02	0	0
90	PLATE7	PX	-.02	-.02	0	0
91	PLATE6	PX	-.02	-.02	0	0
92	PLATE5	PX	-.02	-.02	0	0
93	PLATE4	PX	-.02	-.02	0	0
94	PLATE3	PX	-.02	-.02	0	0
95	PLATE2	PX	-.02	-.02	0	0
96	PLATE1	PX	-.02	-.02	0	0
97	PIPE3	PX	-.003	-.003	0	0
98	PIPE2	PX	-.003	-.003	0	0
99	PIPE1	PX	-.003	-.003	0	0
100	MP GAMMA4	PX	-.009	-.009	0	0
101	MP GAMMA3	PX	-.009	-.009	0	0
102	MP GAMMA2	PX	-.009	-.009	0	0
103	MP GAMMA1	PX	-.009	-.009	0	0
104	MP BETA4	PX	-.009	-.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
105	MP BETA3	PX	-.009	-.009	0	0
106	MP BETA2	PX	-.009	-.009	0	0
107	MP BETA1	PX	-.009	-.009	0	0
108	MP ALPHA4	PX	-.009	-.009	0	0
109	MP ALPHA3	PX	-.009	-.009	0	0
110	MP ALPHA2	PX	-.009	-.009	0	0
111	MP ALPHA1	PX	-.009	-.009	0	0
112	FACEBOT3	PX	-.008	-.008	0	0
113	FACEBOT2	PX	-.008	-.008	0	0
114	FACEBOT1	PX	-.004	-.004	0	0
115	CR3B	PX	-.008	-.008	0	0
116	CR3A	PX	-.008	-.008	0	0
117	CR2B	PX	-.008	-.008	0	0
118	CR2A	PX	-.008	-.008	0	0
119	CR1B	PX	-.008	-.008	0	0
120	CR1A	PX	-.008	-.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PX	-.008	-.008	0	0
2	SUP3A	PX	-.008	-.008	0	0
3	SUP2B	PX	-.008	-.008	0	0
4	SUP2A	PX	-.008	-.008	0	0
5	SUP1B	PX	-.008	-.008	0	0
6	SUP1A	PX	-.008	-.008	0	0
7	SO3	PX	-.009	-.009	0	0
8	SO2	PX	-.009	-.009	0	0
9	SO1	PX	-.009	-.009	0	0
10	RC3	PX	-.009	-.009	0	0
11	RC2	PX	-.009	-.009	0	0
12	RC1	PX	-.009	-.009	0	0
13	RAIL3	PX	-.004	-.004	0	0
14	RAIL1	PX	-.004	-.004	0	0
15	RAIL2	PX	-.007	-.007	0	0
16	PLATECORNER3C	PX	-.023	-.023	0	0
17	PLATECORNER3B	PX	-.023	-.023	0	0
18	PLATECORNER3A	PX	-.023	-.023	0	0
19	PLATECORNER2C	PX	-.023	-.023	0	0
20	PLATECORNER2B	PX	-.023	-.023	0	0
21	PLATECORNER2A	PX	-.023	-.023	0	0
22	PLATECORNER1C	PX	-.023	-.023	0	0
23	PLATECORNER1B	PX	-.023	-.023	0	0
24	PLATECORNER1A	PX	-.023	-.023	0	0
25	PLATE12	PX	-.023	-.023	0	0
26	PLATE11	PX	-.023	-.023	0	0
27	PLATE10	PX	-.023	-.023	0	0
28	PLATE9	PX	-.023	-.023	0	0
29	PLATE8	PX	-.023	-.023	0	0
30	PLATE7	PX	-.023	-.023	0	0
31	PLATE6	PX	-.023	-.023	0	0
32	PLATE5	PX	-.023	-.023	0	0
33	PLATE4	PX	-.023	-.023	0	0
34	PLATE3	PX	-.023	-.023	0	0
35	PLATE2	PX	-.023	-.023	0	0
36	PLATE1	PX	-.023	-.023	0	0
37	PIPE3	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
38	PIPE2	PX	-.003	-.003	0	0
39	PIPE1	PX	-.003	-.003	0	0
40	MP GAMMA4	PX	-.011	-.011	0	0
41	MP GAMMA3	PX	-.011	-.011	0	0
42	MP GAMMA2	PX	-.011	-.011	0	0
43	MP GAMMA1	PX	-.011	-.011	0	0
44	MP BETA4	PX	-.011	-.011	0	0
45	MP BETA3	PX	-.011	-.011	0	0
46	MP BETA2	PX	-.011	-.011	0	0
47	MP BETA1	PX	-.011	-.011	0	0
48	MP ALPHA4	PX	-.011	-.011	0	0
49	MP ALPHA3	PX	-.011	-.011	0	0
50	MP ALPHA2	PX	-.011	-.011	0	0
51	MP ALPHA1	PX	-.011	-.011	0	0
52	FACEBOT3	PX	-.009	-.009	0	0
53	FACEBOT1	PX	-.009	-.009	0	0
54	FACEBOT2	PX	-.005	-.005	0	0
55	CR3B	PX	-.009	-.009	0	0
56	CR3A	PX	-.009	-.009	0	0
57	CR2B	PX	-.009	-.009	0	0
58	CR2A	PX	-.009	-.009	0	0
59	CR1B	PX	-.009	-.009	0	0
60	CR1A	PX	-.009	-.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.004	.004	0	0
2	SUP3A	PY	.004	.004	0	0
3	SUP2B	PY	.004	.004	0	0
4	SUP2A	PY	.004	.004	0	0
5	SUP1B	PY	.004	.004	0	0
6	SUP1A	PY	.004	.004	0	0
7	SO3	PY	.005	.005	0	0
8	SO2	PY	.005	.005	0	0
9	SO1	PY	.005	.005	0	0
10	RC3	PY	.005	.005	0	0
11	RC2	PY	.005	.005	0	0
12	RC1	PY	.005	.005	0	0
13	RAIL3	PY	.002	.002	0	0
14	RAIL1	PY	.002	.002	0	0
15	RAIL2	PY	.004	.004	0	0
16	PLATECORNER3C	PY	.011	.011	0	0
17	PLATECORNER3B	PY	.011	.011	0	0
18	PLATECORNER3A	PY	.011	.011	0	0
19	PLATECORNER2C	PY	.011	.011	0	0
20	PLATECORNER2B	PY	.011	.011	0	0
21	PLATECORNER2A	PY	.011	.011	0	0
22	PLATECORNER1C	PY	.011	.011	0	0
23	PLATECORNER1B	PY	.011	.011	0	0
24	PLATECORNER1A	PY	.011	.011	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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
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	PIPE3	PY	.002	.002	0	0
38	PIPE2	PY	.002	.002	0	0
39	PIPE1	PY	.002	.002	0	0
40	MP GAMMA4	PY	.005	.005	0	0
41	MP GAMMA3	PY	.005	.005	0	0
42	MP GAMMA2	PY	.005	.005	0	0
43	MP GAMMA1	PY	.005	.005	0	0
44	MP BETA4	PY	.005	.005	0	0
45	MP BETA3	PY	.005	.005	0	0
46	MP BETA2	PY	.005	.005	0	0
47	MP BETA1	PY	.005	.005	0	0
48	MP ALPHA4	PY	.005	.005	0	0
49	MP ALPHA3	PY	.005	.005	0	0
50	MP ALPHA2	PY	.005	.005	0	0
51	MP ALPHA1	PY	.005	.005	0	0
52	FACEBOT3	PY	.005	.005	0	0
53	FACEBOT1	PY	.005	.005	0	0
54	FACEBOT2	PY	.002	.002	0	0
55	CR3B	PY	.005	.005	0	0
56	CR3A	PY	.005	.005	0	0
57	CR2B	PY	.005	.005	0	0
58	CR2A	PY	.005	.005	0	0
59	CR1B	PY	.005	.005	0	0
60	CR1A	PY	.005	.005	0	0
61	SUP3B	PX	-.007	-.007	0	0
62	SUP3A	PX	-.007	-.007	0	0
63	SUP2B	PX	-.007	-.007	0	0
64	SUP2A	PX	-.007	-.007	0	0
65	SUP1B	PX	-.007	-.007	0	0
66	SUP1A	PX	-.007	-.007	0	0
67	SO3	PX	-.008	-.008	0	0
68	SO2	PX	-.008	-.008	0	0
69	SO1	PX	-.008	-.008	0	0
70	RC3	PX	-.008	-.008	0	0
71	RC2	PX	-.008	-.008	0	0
72	RC1	PX	-.008	-.008	0	0
73	RAIL3	PX	-.003	-.003	0	0
74	RAIL1	PX	-.003	-.003	0	0
75	RAIL2	PX	-.006	-.006	0	0
76	PLATECORNER3C	PX	-.02	-.02	0	0
77	PLATECORNER3B	PX	-.02	-.02	0	0
78	PLATECORNER3A	PX	-.02	-.02	0	0
79	PLATECORNER2C	PX	-.02	-.02	0	0
80	PLATECORNER2B	PX	-.02	-.02	0	0
81	PLATECORNER2A	PX	-.02	-.02	0	0
82	PLATECORNER1C	PX	-.02	-.02	0	0
83	PLATECORNER1B	PX	-.02	-.02	0	0
84	PLATECORNER1A	PX	-.02	-.02	0	0
85	PLATE12	PX	-.02	-.02	0	0
86	PLATE11	PX	-.02	-.02	0	0
87	PLATE10	PX	-.02	-.02	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
88	PLATE9	PX	-.02	-.02	0	0
89	PLATE8	PX	-.02	-.02	0	0
90	PLATE7	PX	-.02	-.02	0	0
91	PLATE6	PX	-.02	-.02	0	0
92	PLATE5	PX	-.02	-.02	0	0
93	PLATE4	PX	-.02	-.02	0	0
94	PLATE3	PX	-.02	-.02	0	0
95	PLATE2	PX	-.02	-.02	0	0
96	PLATE1	PX	-.02	-.02	0	0
97	PIPE3	PX	-.003	-.003	0	0
98	PIPE2	PX	-.003	-.003	0	0
99	PIPE1	PX	-.003	-.003	0	0
100	MP GAMMA4	PX	-.009	-.009	0	0
101	MP GAMMA3	PX	-.009	-.009	0	0
102	MP GAMMA2	PX	-.009	-.009	0	0
103	MP GAMMA1	PX	-.009	-.009	0	0
104	MP BETA4	PX	-.009	-.009	0	0
105	MP BETA3	PX	-.009	-.009	0	0
106	MP BETA2	PX	-.009	-.009	0	0
107	MP BETA1	PX	-.009	-.009	0	0
108	MP ALPHA4	PX	-.009	-.009	0	0
109	MP ALPHA3	PX	-.009	-.009	0	0
110	MP ALPHA2	PX	-.009	-.009	0	0
111	MP ALPHA1	PX	-.009	-.009	0	0
112	FACEBOT3	PX	-.008	-.008	0	0
113	FACEBOT1	PX	-.008	-.008	0	0
114	FACEBOT2	PX	-.004	-.004	0	0
115	CR3B	PX	-.008	-.008	0	0
116	CR3A	PX	-.008	-.008	0	0
117	CR2B	PX	-.008	-.008	0	0
118	CR2A	PX	-.008	-.008	0	0
119	CR1B	PX	-.008	-.008	0	0
120	CR1A	PX	-.008	-.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.007	.007	0	0
2	SUP3A	PY	.007	.007	0	0
3	SUP2B	PY	.007	.007	0	0
4	SUP2A	PY	.007	.007	0	0
5	SUP1B	PY	.007	.007	0	0
6	SUP1A	PY	.007	.007	0	0
7	SO3	PY	.008	.008	0	0
8	SO2	PY	.008	.008	0	0
9	SO1	PY	.008	.008	0	0
10	RC3	PY	.008	.008	0	0
11	RC2	PY	.008	.008	0	0
12	RC1	PY	.008	.008	0	0
13	RAIL3	PY	.003	.003	0	0
14	RAIL1	PY	.003	.003	0	0
15	RAIL2	PY	.006	.006	0	0
16	PLATECORNER3C	PY	.02	.02	0	0
17	PLATECORNER3B	PY	.02	.02	0	0
18	PLATECORNER3A	PY	.02	.02	0	0
19	PLATECORNER2C	PY	.02	.02	0	0
20	PLATECORNER2B	PY	.02	.02	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
21	PLATECORNER2A	PY	.02	.02	0	0
22	PLATECORNER1C	PY	.02	.02	0	0
23	PLATECORNER1B	PY	.02	.02	0	0
24	PLATECORNER1A	PY	.02	.02	0	0
25	PLATE12	PY	.02	.02	0	0
26	PLATE11	PY	.02	.02	0	0
27	PLATE10	PY	.02	.02	0	0
28	PLATE9	PY	.02	.02	0	0
29	PLATE8	PY	.02	.02	0	0
30	PLATE7	PY	.02	.02	0	0
31	PLATE6	PY	.02	.02	0	0
32	PLATE5	PY	.02	.02	0	0
33	PLATE4	PY	.02	.02	0	0
34	PLATE3	PY	.02	.02	0	0
35	PLATE2	PY	.02	.02	0	0
36	PLATE1	PY	.02	.02	0	0
37	PIPE3	PY	.003	.003	0	0
38	PIPE2	PY	.003	.003	0	0
39	PIPE1	PY	.003	.003	0	0
40	MP GAMMA4	PY	.009	.009	0	0
41	MP GAMMA3	PY	.009	.009	0	0
42	MP GAMMA2	PY	.009	.009	0	0
43	MP GAMMA1	PY	.009	.009	0	0
44	MP BETA4	PY	.009	.009	0	0
45	MP BETA3	PY	.009	.009	0	0
46	MP BETA2	PY	.009	.009	0	0
47	MP BETA1	PY	.009	.009	0	0
48	MP ALPHA4	PY	.009	.009	0	0
49	MP ALPHA3	PY	.009	.009	0	0
50	MP ALPHA2	PY	.009	.009	0	0
51	MP ALPHA1	PY	.009	.009	0	0
52	FACEBOT3	PY	.008	.008	0	0
53	FACEBOT1	PY	.008	.008	0	0
54	FACEBOT2	PY	.004	.004	0	0
55	CR3B	PY	.008	.008	0	0
56	CR3A	PY	.008	.008	0	0
57	CR2B	PY	.008	.008	0	0
58	CR2A	PY	.008	.008	0	0
59	CR1B	PY	.008	.008	0	0
60	CR1A	PY	.008	.008	0	0
61	SUP3B	PX	-.004	-.004	0	0
62	SUP3A	PX	-.004	-.004	0	0
63	SUP2B	PX	-.004	-.004	0	0
64	SUP2A	PX	-.004	-.004	0	0
65	SUP1B	PX	-.004	-.004	0	0
66	SUP1A	PX	-.004	-.004	0	0
67	SO3	PX	-.005	-.005	0	0
68	SO2	PX	-.005	-.005	0	0
69	SO1	PX	-.005	-.005	0	0
70	RC3	PX	-.005	-.005	0	0
71	RC2	PX	-.005	-.005	0	0
72	RC1	PX	-.005	-.005	0	0
73	RAIL3	PX	-.002	-.002	0	0
74	RAIL1	PX	-.002	-.002	0	0
75	RAIL2	PX	-.004	-.004	0	0
76	PLATECORNER3C	PX	-.011	-.011	0	0
77	PLATECORNER3B	PX	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
78	PLATECORNER3A	PX	-.011	-.011	0	0
79	PLATECORNER2C	PX	-.011	-.011	0	0
80	PLATECORNER2B	PX	-.011	-.011	0	0
81	PLATECORNER2A	PX	-.011	-.011	0	0
82	PLATECORNER1C	PX	-.011	-.011	0	0
83	PLATECORNER1B	PX	-.011	-.011	0	0
84	PLATECORNER1A	PX	-.011	-.011	0	0
85	PLATE12	PX	-.011	-.011	0	0
86	PLATE11	PX	-.011	-.011	0	0
87	PLATE10	PX	-.011	-.011	0	0
88	PLATE9	PX	-.011	-.011	0	0
89	PLATE8	PX	-.011	-.011	0	0
90	PLATE7	PX	-.011	-.011	0	0
91	PLATE6	PX	-.011	-.011	0	0
92	PLATE5	PX	-.011	-.011	0	0
93	PLATE4	PX	-.011	-.011	0	0
94	PLATE3	PX	-.011	-.011	0	0
95	PLATE2	PX	-.011	-.011	0	0
96	PLATE1	PX	-.011	-.011	0	0
97	PIPE3	PX	-.002	-.002	0	0
98	PIPE2	PX	-.002	-.002	0	0
99	PIPE1	PX	-.002	-.002	0	0
100	MP GAMMA4	PX	-.005	-.005	0	0
101	MP GAMMA3	PX	-.005	-.005	0	0
102	MP GAMMA2	PX	-.005	-.005	0	0
103	MP GAMMA1	PX	-.005	-.005	0	0
104	MP BETA4	PX	-.005	-.005	0	0
105	MP BETA3	PX	-.005	-.005	0	0
106	MP BETA2	PX	-.005	-.005	0	0
107	MP BETA1	PX	-.005	-.005	0	0
108	MP ALPHA4	PX	-.005	-.005	0	0
109	MP ALPHA3	PX	-.005	-.005	0	0
110	MP ALPHA2	PX	-.005	-.005	0	0
111	MP ALPHA1	PX	-.005	-.005	0	0
112	FACEBOT3	PX	-.005	-.005	0	0
113	FACEBOT1	PX	-.005	-.005	0	0
114	FACEBOT2	PX	-.002	-.002	0	0
115	CR3B	PX	-.005	-.005	0	0
116	CR3A	PX	-.005	-.005	0	0
117	CR2B	PX	-.005	-.005	0	0
118	CR2A	PX	-.005	-.005	0	0
119	CR1B	PX	-.005	-.005	0	0
120	CR1A	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.008	.008	0	0
2	SUP3A	PY	.008	.008	0	0
3	SUP2B	PY	.008	.008	0	0
4	SUP2A	PY	.008	.008	0	0
5	SUP1B	PY	.008	.008	0	0
6	SUP1A	PY	.008	.008	0	0
7	SO3	PY	.009	.009	0	0
8	SO2	PY	.009	.009	0	0
9	SO1	PY	.009	.009	0	0
10	RC3	PY	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
11	RC2	PY	.009	.009	0	0
12	RC1	PY	.009	.009	0	0
13	RAIL3	PY	.004	.004	0	0
14	RAIL1	PY	.004	.004	0	0
15	RAIL2	PY	.007	.007	0	0
16	PLATECORNER3C	PY	.023	.023	0	0
17	PLATECORNER3B	PY	.023	.023	0	0
18	PLATECORNER3A	PY	.023	.023	0	0
19	PLATECORNER2C	PY	.023	.023	0	0
20	PLATECORNER2B	PY	.023	.023	0	0
21	PLATECORNER2A	PY	.023	.023	0	0
22	PLATECORNER1C	PY	.023	.023	0	0
23	PLATECORNER1B	PY	.023	.023	0	0
24	PLATECORNER1A	PY	.023	.023	0	0
25	PLATE12	PY	.023	.023	0	0
26	PLATE11	PY	.023	.023	0	0
27	PLATE10	PY	.023	.023	0	0
28	PLATE9	PY	.023	.023	0	0
29	PLATE8	PY	.023	.023	0	0
30	PLATE7	PY	.023	.023	0	0
31	PLATE6	PY	.023	.023	0	0
32	PLATE5	PY	.023	.023	0	0
33	PLATE4	PY	.023	.023	0	0
34	PLATE3	PY	.023	.023	0	0
35	PLATE2	PY	.023	.023	0	0
36	PLATE1	PY	.023	.023	0	0
37	PIPE3	PY	.003	.003	0	0
38	PIPE2	PY	.003	.003	0	0
39	PIPE1	PY	.003	.003	0	0
40	MP GAMMA4	PY	.011	.011	0	0
41	MP GAMMA3	PY	.011	.011	0	0
42	MP GAMMA2	PY	.011	.011	0	0
43	MP GAMMA1	PY	.011	.011	0	0
44	MP BETA4	PY	.011	.011	0	0
45	MP BETA3	PY	.011	.011	0	0
46	MP BETA2	PY	.011	.011	0	0
47	MP BETA1	PY	.011	.011	0	0
48	MP ALPHA4	PY	.011	.011	0	0
49	MP ALPHA3	PY	.011	.011	0	0
50	MP ALPHA2	PY	.011	.011	0	0
51	MP ALPHA1	PY	.011	.011	0	0
52	FACEBOT3	PY	.009	.009	0	0
53	FACEBOT1	PY	.009	.009	0	0
54	FACEBOT2	PY	.005	.005	0	0
55	CR3B	PY	.009	.009	0	0
56	CR3A	PY	.009	.009	0	0
57	CR2B	PY	.009	.009	0	0
58	CR2A	PY	.009	.009	0	0
59	CR1B	PY	.009	.009	0	0
60	CR1A	PY	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.007	.007	0	0
2	SUP3A	PY	.007	.007	0	0
3	SUP2B	PY	.007	.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
4	SUP2A	PY	.007	.007	0	0
5	SUP1B	PY	.007	.007	0	0
6	SUP1A	PY	.007	.007	0	0
7	SO3	PY	.008	.008	0	0
8	SO2	PY	.008	.008	0	0
9	SO1	PY	.008	.008	0	0
10	RC3	PY	.008	.008	0	0
11	RC2	PY	.008	.008	0	0
12	RC1	PY	.008	.008	0	0
13	RAIL1	PY	.003	.003	0	0
14	RAIL2	PY	.003	.003	0	0
15	RAIL3	PY	.006	.006	0	0
16	PLATECORNER3C	PY	.02	.02	0	0
17	PLATECORNER3B	PY	.02	.02	0	0
18	PLATECORNER3A	PY	.02	.02	0	0
19	PLATECORNER2C	PY	.02	.02	0	0
20	PLATECORNER2B	PY	.02	.02	0	0
21	PLATECORNER2A	PY	.02	.02	0	0
22	PLATECORNER1C	PY	.02	.02	0	0
23	PLATECORNER1B	PY	.02	.02	0	0
24	PLATECORNER1A	PY	.02	.02	0	0
25	PLATE12	PY	.02	.02	0	0
26	PLATE11	PY	.02	.02	0	0
27	PLATE10	PY	.02	.02	0	0
28	PLATE9	PY	.02	.02	0	0
29	PLATE8	PY	.02	.02	0	0
30	PLATE7	PY	.02	.02	0	0
31	PLATE6	PY	.02	.02	0	0
32	PLATE5	PY	.02	.02	0	0
33	PLATE4	PY	.02	.02	0	0
34	PLATE3	PY	.02	.02	0	0
35	PLATE2	PY	.02	.02	0	0
36	PLATE1	PY	.02	.02	0	0
37	PIPE3	PY	.003	.003	0	0
38	PIPE2	PY	.003	.003	0	0
39	PIPE1	PY	.003	.003	0	0
40	MP GAMMA4	PY	.009	.009	0	0
41	MP GAMMA3	PY	.009	.009	0	0
42	MP GAMMA2	PY	.009	.009	0	0
43	MP GAMMA1	PY	.009	.009	0	0
44	MP BETA4	PY	.009	.009	0	0
45	MP BETA3	PY	.009	.009	0	0
46	MP BETA2	PY	.009	.009	0	0
47	MP BETA1	PY	.009	.009	0	0
48	MP ALPHA4	PY	.009	.009	0	0
49	MP ALPHA3	PY	.009	.009	0	0
50	MP ALPHA2	PY	.009	.009	0	0
51	MP ALPHA1	PY	.009	.009	0	0
52	FACEBOT1	PY	.008	.008	0	0
53	FACEBOT2	PY	.008	.008	0	0
54	FACEBOT3	PY	.004	.004	0	0
55	CR3B	PY	.008	.008	0	0
56	CR3A	PY	.008	.008	0	0
57	CR2B	PY	.008	.008	0	0
58	CR2A	PY	.008	.008	0	0
59	CR1B	PY	.008	.008	0	0
60	CR1A	PY	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	SUP3B	PX	.004	.004	0	0
62	SUP3A	PX	.004	.004	0	0
63	SUP2B	PX	.004	.004	0	0
64	SUP2A	PX	.004	.004	0	0
65	SUP1B	PX	.004	.004	0	0
66	SUP1A	PX	.004	.004	0	0
67	SO3	PX	.005	.005	0	0
68	SO2	PX	.005	.005	0	0
69	SO1	PX	.005	.005	0	0
70	RC3	PX	.005	.005	0	0
71	RC2	PX	.005	.005	0	0
72	RC1	PX	.005	.005	0	0
73	RAIL1	PX	.002	.002	0	0
74	RAIL2	PX	.002	.002	0	0
75	RAIL3	PX	.004	.004	0	0
76	PLATECORNER3C	PX	.011	.011	0	0
77	PLATECORNER3B	PX	.011	.011	0	0
78	PLATECORNER3A	PX	.011	.011	0	0
79	PLATECORNER2C	PX	.011	.011	0	0
80	PLATECORNER2B	PX	.011	.011	0	0
81	PLATECORNER2A	PX	.011	.011	0	0
82	PLATECORNER1C	PX	.011	.011	0	0
83	PLATECORNER1B	PX	.011	.011	0	0
84	PLATECORNER1A	PX	.011	.011	0	0
85	PLATE12	PX	.011	.011	0	0
86	PLATE11	PX	.011	.011	0	0
87	PLATE10	PX	.011	.011	0	0
88	PLATE9	PX	.011	.011	0	0
89	PLATE8	PX	.011	.011	0	0
90	PLATE7	PX	.011	.011	0	0
91	PLATE6	PX	.011	.011	0	0
92	PLATE5	PX	.011	.011	0	0
93	PLATE4	PX	.011	.011	0	0
94	PLATE3	PX	.011	.011	0	0
95	PLATE2	PX	.011	.011	0	0
96	PLATE1	PX	.011	.011	0	0
97	PIPE3	PX	.002	.002	0	0
98	PIPE2	PX	.002	.002	0	0
99	PIPE1	PX	.002	.002	0	0
100	MP GAMMA4	PX	.005	.005	0	0
101	MP GAMMA3	PX	.005	.005	0	0
102	MP GAMMA2	PX	.005	.005	0	0
103	MP GAMMA1	PX	.005	.005	0	0
104	MP BETA4	PX	.005	.005	0	0
105	MP BETA3	PX	.005	.005	0	0
106	MP BETA2	PX	.005	.005	0	0
107	MP BETA1	PX	.005	.005	0	0
108	MP ALPHA4	PX	.005	.005	0	0
109	MP ALPHA3	PX	.005	.005	0	0
110	MP ALPHA2	PX	.005	.005	0	0
111	MP ALPHA1	PX	.005	.005	0	0
112	FACEBOT1	PX	.005	.005	0	0
113	FACEBOT2	PX	.005	.005	0	0
114	FACEBOT3	PX	.002	.002	0	0
115	CR3B	PX	.005	.005	0	0
116	CR3A	PX	.005	.005	0	0
117	CR2B	PX	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
118	CR2A	PX	.005	.005	0	0
119	CR1B	PX	.005	.005	0	0
120	CR1A	PX	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.004	.004	0	0
2	SUP3A	PY	.004	.004	0	0
3	SUP2B	PY	.004	.004	0	0
4	SUP2A	PY	.004	.004	0	0
5	SUP1B	PY	.004	.004	0	0
6	SUP1A	PY	.004	.004	0	0
7	SO3	PY	.005	.005	0	0
8	SO2	PY	.005	.005	0	0
9	SO1	PY	.005	.005	0	0
10	RC3	PY	.005	.005	0	0
11	RC2	PY	.005	.005	0	0
12	RC1	PY	.005	.005	0	0
13	RAIL1	PY	.002	.002	0	0
14	RAIL2	PY	.002	.002	0	0
15	RAIL3	PY	.004	.004	0	0
16	PLATECORNER3C	PY	.011	.011	0	0
17	PLATECORNER3B	PY	.011	.011	0	0
18	PLATECORNER3A	PY	.011	.011	0	0
19	PLATECORNER2C	PY	.011	.011	0	0
20	PLATECORNER2B	PY	.011	.011	0	0
21	PLATECORNER2A	PY	.011	.011	0	0
22	PLATECORNER1C	PY	.011	.011	0	0
23	PLATECORNER1B	PY	.011	.011	0	0
24	PLATECORNER1A	PY	.011	.011	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	PIPE3	PY	.002	.002	0	0
38	PIPE2	PY	.002	.002	0	0
39	PIPE1	PY	.002	.002	0	0
40	MP GAMMA4	PY	.005	.005	0	0
41	MP GAMMA3	PY	.005	.005	0	0
42	MP GAMMA2	PY	.005	.005	0	0
43	MP GAMMA1	PY	.005	.005	0	0
44	MP BETA4	PY	.005	.005	0	0
45	MP BETA3	PY	.005	.005	0	0
46	MP BETA2	PY	.005	.005	0	0
47	MP BETA1	PY	.005	.005	0	0
48	MP ALPHA4	PY	.005	.005	0	0
49	MP ALPHA3	PY	.005	.005	0	0
50	MP ALPHA2	PY	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
51	MP ALPHA1	PY	.005	.005	0	0
52	FACEBOT1	PY	.005	.005	0	0
53	FACEBOT2	PY	.005	.005	0	0
54	FACEBOT3	PY	.002	.002	0	0
55	CR3B	PY	.005	.005	0	0
56	CR3A	PY	.005	.005	0	0
57	CR2B	PY	.005	.005	0	0
58	CR2A	PY	.005	.005	0	0
59	CR1B	PY	.005	.005	0	0
60	CR1A	PY	.005	.005	0	0
61	SUP3B	PX	.007	.007	0	0
62	SUP3A	PX	.007	.007	0	0
63	SUP2B	PX	.007	.007	0	0
64	SUP2A	PX	.007	.007	0	0
65	SUP1B	PX	.007	.007	0	0
66	SUP1A	PX	.007	.007	0	0
67	SO3	PX	.008	.008	0	0
68	SO2	PX	.008	.008	0	0
69	SO1	PX	.008	.008	0	0
70	RC3	PX	.008	.008	0	0
71	RC2	PX	.008	.008	0	0
72	RC1	PX	.008	.008	0	0
73	RAIL1	PX	.003	.003	0	0
74	RAIL2	PX	.003	.003	0	0
75	RAIL3	PX	.006	.006	0	0
76	PLATECORNER3C	PX	.02	.02	0	0
77	PLATECORNER3B	PX	.02	.02	0	0
78	PLATECORNER3A	PX	.02	.02	0	0
79	PLATECORNER2C	PX	.02	.02	0	0
80	PLATECORNER2B	PX	.02	.02	0	0
81	PLATECORNER2A	PX	.02	.02	0	0
82	PLATECORNER1C	PX	.02	.02	0	0
83	PLATECORNER1B	PX	.02	.02	0	0
84	PLATECORNER1A	PX	.02	.02	0	0
85	PLATE12	PX	.02	.02	0	0
86	PLATE11	PX	.02	.02	0	0
87	PLATE10	PX	.02	.02	0	0
88	PLATE9	PX	.02	.02	0	0
89	PLATE8	PX	.02	.02	0	0
90	PLATE7	PX	.02	.02	0	0
91	PLATE6	PX	.02	.02	0	0
92	PLATE5	PX	.02	.02	0	0
93	PLATE4	PX	.02	.02	0	0
94	PLATE3	PX	.02	.02	0	0
95	PLATE2	PX	.02	.02	0	0
96	PLATE1	PX	.02	.02	0	0
97	PIPE3	PX	.003	.003	0	0
98	PIPE2	PX	.003	.003	0	0
99	PIPE1	PX	.003	.003	0	0
100	MP GAMMA4	PX	.009	.009	0	0
101	MP GAMMA3	PX	.009	.009	0	0
102	MP GAMMA2	PX	.009	.009	0	0
103	MP GAMMA1	PX	.009	.009	0	0
104	MP BETA4	PX	.009	.009	0	0
105	MP BETA3	PX	.009	.009	0	0
106	MP BETA2	PX	.009	.009	0	0
107	MP BETA1	PX	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
108	MP ALPHA4	PX	.009	.009	0	0
109	MP ALPHA3	PX	.009	.009	0	0
110	MP ALPHA2	PX	.009	.009	0	0
111	MP ALPHA1	PX	.009	.009	0	0
112	FACEBOT1	PX	.008	.008	0	0
113	FACEBOT2	PX	.008	.008	0	0
114	FACEBOT3	PX	.004	.004	0	0
115	CR3B	PX	.008	.008	0	0
116	CR3A	PX	.008	.008	0	0
117	CR2B	PX	.008	.008	0	0
118	CR2A	PX	.008	.008	0	0
119	CR1B	PX	.008	.008	0	0
120	CR1A	PX	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PX	.008	.008	0	0
2	SUP3A	PX	.008	.008	0	0
3	SUP2B	PX	.008	.008	0	0
4	SUP2A	PX	.008	.008	0	0
5	SUP1B	PX	.008	.008	0	0
6	SUP1A	PX	.008	.008	0	0
7	SO3	PX	.009	.009	0	0
8	SO2	PX	.009	.009	0	0
9	SO1	PX	.009	.009	0	0
10	RC3	PX	.009	.009	0	0
11	RC2	PX	.009	.009	0	0
12	RC1	PX	.009	.009	0	0
13	RAIL1	PX	.004	.004	0	0
14	RAIL2	PX	.004	.004	0	0
15	RAIL3	PX	.007	.007	0	0
16	PLATECORNER3C	PX	.023	.023	0	0
17	PLATECORNER3B	PX	.023	.023	0	0
18	PLATECORNER3A	PX	.023	.023	0	0
19	PLATECORNER2C	PX	.023	.023	0	0
20	PLATECORNER2B	PX	.023	.023	0	0
21	PLATECORNER2A	PX	.023	.023	0	0
22	PLATECORNER1C	PX	.023	.023	0	0
23	PLATECORNER1B	PX	.023	.023	0	0
24	PLATECORNER1A	PX	.023	.023	0	0
25	PLATE12	PX	.023	.023	0	0
26	PLATE11	PX	.023	.023	0	0
27	PLATE10	PX	.023	.023	0	0
28	PLATE9	PX	.023	.023	0	0
29	PLATE8	PX	.023	.023	0	0
30	PLATE7	PX	.023	.023	0	0
31	PLATE6	PX	.023	.023	0	0
32	PLATE5	PX	.023	.023	0	0
33	PLATE4	PX	.023	.023	0	0
34	PLATE3	PX	.023	.023	0	0
35	PLATE2	PX	.023	.023	0	0
36	PLATE1	PX	.023	.023	0	0
37	PIPE3	PX	.003	.003	0	0
38	PIPE2	PX	.003	.003	0	0
39	PIPE1	PX	.003	.003	0	0
40	MP GAMMA4	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
41	MP GAMMA3	PX	.011	.011	0	0
42	MP GAMMA2	PX	.011	.011	0	0
43	MP GAMMA1	PX	.011	.011	0	0
44	MP BETA4	PX	.011	.011	0	0
45	MP BETA3	PX	.011	.011	0	0
46	MP BETA2	PX	.011	.011	0	0
47	MP BETA1	PX	.011	.011	0	0
48	MP ALPHA4	PX	.011	.011	0	0
49	MP ALPHA3	PX	.011	.011	0	0
50	MP ALPHA2	PX	.011	.011	0	0
51	MP ALPHA1	PX	.011	.011	0	0
52	FACEBOT1	PX	.009	.009	0	0
53	FACEBOT2	PX	.009	.009	0	0
54	FACEBOT3	PX	.005	.005	0	0
55	CR3B	PX	.009	.009	0	0
56	CR3A	PX	.009	.009	0	0
57	CR2B	PX	.009	.009	0	0
58	CR2A	PX	.009	.009	0	0
59	CR1B	PX	.009	.009	0	0
60	CR1A	PX	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.004	-.004	0	0
2	SUP3A	PY	-.004	-.004	0	0
3	SUP2B	PY	-.004	-.004	0	0
4	SUP2A	PY	-.004	-.004	0	0
5	SUP1B	PY	-.004	-.004	0	0
6	SUP1A	PY	-.004	-.004	0	0
7	SO3	PY	-.005	-.005	0	0
8	SO2	PY	-.005	-.005	0	0
9	SO1	PY	-.005	-.005	0	0
10	RC3	PY	-.005	-.005	0	0
11	RC2	PY	-.005	-.005	0	0
12	RC1	PY	-.005	-.005	0	0
13	RAIL1	PY	-.002	-.002	0	0
14	RAIL2	PY	-.002	-.002	0	0
15	RAIL3	PY	-.004	-.004	0	0
16	PLATECORNER3C	PY	-.011	-.011	0	0
17	PLATECORNER3B	PY	-.011	-.011	0	0
18	PLATECORNER3A	PY	-.011	-.011	0	0
19	PLATECORNER2C	PY	-.011	-.011	0	0
20	PLATECORNER2B	PY	-.011	-.011	0	0
21	PLATECORNER2A	PY	-.011	-.011	0	0
22	PLATECORNER1C	PY	-.011	-.011	0	0
23	PLATECORNER1B	PY	-.011	-.011	0	0
24	PLATECORNER1A	PY	-.011	-.011	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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	PLATE3	PY	-.011	-.011	0	0
35	PLATE2	PY	-.011	-.011	0	0
36	PLATE1	PY	-.011	-.011	0	0
37	PIPE3	PY	-.002	-.002	0	0
38	PIPE2	PY	-.002	-.002	0	0
39	PIPE1	PY	-.002	-.002	0	0
40	MP GAMMA4	PY	-.005	-.005	0	0
41	MP GAMMA3	PY	-.005	-.005	0	0
42	MP GAMMA2	PY	-.005	-.005	0	0
43	MP GAMMA1	PY	-.005	-.005	0	0
44	MP BETA4	PY	-.005	-.005	0	0
45	MP BETA3	PY	-.005	-.005	0	0
46	MP BETA2	PY	-.005	-.005	0	0
47	MP BETA1	PY	-.005	-.005	0	0
48	MP ALPHA4	PY	-.005	-.005	0	0
49	MP ALPHA3	PY	-.005	-.005	0	0
50	MP ALPHA2	PY	-.005	-.005	0	0
51	MP ALPHA1	PY	-.005	-.005	0	0
52	FACEBOT1	PY	-.005	-.005	0	0
53	FACEBOT2	PY	-.005	-.005	0	0
54	FACEBOT3	PY	-.002	-.002	0	0
55	CR3B	PY	-.005	-.005	0	0
56	CR3A	PY	-.005	-.005	0	0
57	CR2B	PY	-.005	-.005	0	0
58	CR2A	PY	-.005	-.005	0	0
59	CR1B	PY	-.005	-.005	0	0
60	CR1A	PY	-.005	-.005	0	0
61	SUP3B	PX	.007	.007	0	0
62	SUP3A	PX	.007	.007	0	0
63	SUP2B	PX	.007	.007	0	0
64	SUP2A	PX	.007	.007	0	0
65	SUP1B	PX	.007	.007	0	0
66	SUP1A	PX	.007	.007	0	0
67	SO3	PX	.008	.008	0	0
68	SO2	PX	.008	.008	0	0
69	SO1	PX	.008	.008	0	0
70	RC3	PX	.008	.008	0	0
71	RC2	PX	.008	.008	0	0
72	RC1	PX	.008	.008	0	0
73	RAIL1	PX	.003	.003	0	0
74	RAIL2	PX	.003	.003	0	0
75	RAIL3	PX	.006	.006	0	0
76	PLATECORNER3C	PX	.02	.02	0	0
77	PLATECORNER3B	PX	.02	.02	0	0
78	PLATECORNER3A	PX	.02	.02	0	0
79	PLATECORNER2C	PX	.02	.02	0	0
80	PLATECORNER2B	PX	.02	.02	0	0
81	PLATECORNER2A	PX	.02	.02	0	0
82	PLATECORNER1C	PX	.02	.02	0	0
83	PLATECORNER1B	PX	.02	.02	0	0
84	PLATECORNER1A	PX	.02	.02	0	0
85	PLATE12	PX	.02	.02	0	0
86	PLATE11	PX	.02	.02	0	0
87	PLATE10	PX	.02	.02	0	0
88	PLATE9	PX	.02	.02	0	0
89	PLATE8	PX	.02	.02	0	0
90	PLATE7	PX	.02	.02	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	PLATE6	PX	.02	.02	0	0
92	PLATE5	PX	.02	.02	0	0
93	PLATE4	PX	.02	.02	0	0
94	PLATE3	PX	.02	.02	0	0
95	PLATE2	PX	.02	.02	0	0
96	PLATE1	PX	.02	.02	0	0
97	PIPE3	PX	.003	.003	0	0
98	PIPE2	PX	.003	.003	0	0
99	PIPE1	PX	.003	.003	0	0
100	MP GAMMA4	PX	.009	.009	0	0
101	MP GAMMA3	PX	.009	.009	0	0
102	MP GAMMA2	PX	.009	.009	0	0
103	MP GAMMA1	PX	.009	.009	0	0
104	MP BETA4	PX	.009	.009	0	0
105	MP BETA3	PX	.009	.009	0	0
106	MP BETA2	PX	.009	.009	0	0
107	MP BETA1	PX	.009	.009	0	0
108	MP ALPHA4	PX	.009	.009	0	0
109	MP ALPHA3	PX	.009	.009	0	0
110	MP ALPHA2	PX	.009	.009	0	0
111	MP ALPHA1	PX	.009	.009	0	0
112	FACEBOT1	PX	.008	.008	0	0
113	FACEBOT2	PX	.008	.008	0	0
114	FACEBOT3	PX	.004	.004	0	0
115	CR3B	PX	.008	.008	0	0
116	CR3A	PX	.008	.008	0	0
117	CR2B	PX	.008	.008	0	0
118	CR2A	PX	.008	.008	0	0
119	CR1B	PX	.008	.008	0	0
120	CR1A	PX	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.007	-.007	0	0
2	SUP3A	PY	-.007	-.007	0	0
3	SUP2B	PY	-.007	-.007	0	0
4	SUP2A	PY	-.007	-.007	0	0
5	SUP1B	PY	-.007	-.007	0	0
6	SUP1A	PY	-.007	-.007	0	0
7	SO3	PY	-.008	-.008	0	0
8	SO2	PY	-.008	-.008	0	0
9	SO1	PY	-.008	-.008	0	0
10	RC3	PY	-.008	-.008	0	0
11	RC2	PY	-.008	-.008	0	0
12	RC1	PY	-.008	-.008	0	0
13	RAIL3	PY	-.003	-.003	0	0
14	RAIL2	PY	-.003	-.003	0	0
15	RAIL1	PY	-.006	-.006	0	0
16	PLATECORNER3C	PY	-.02	-.02	0	0
17	PLATECORNER3B	PY	-.02	-.02	0	0
18	PLATECORNER3A	PY	-.02	-.02	0	0
19	PLATECORNER2C	PY	-.02	-.02	0	0
20	PLATECORNER2B	PY	-.02	-.02	0	0
21	PLATECORNER2A	PY	-.02	-.02	0	0
22	PLATECORNER1C	PY	-.02	-.02	0	0
23	PLATECORNER1B	PY	-.02	-.02	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	PLATECORNER1A	PY	-.02	-.02	0	0
25	PLATE12	PY	-.02	-.02	0	0
26	PLATE11	PY	-.02	-.02	0	0
27	PLATE10	PY	-.02	-.02	0	0
28	PLATE9	PY	-.02	-.02	0	0
29	PLATE8	PY	-.02	-.02	0	0
30	PLATE7	PY	-.02	-.02	0	0
31	PLATE6	PY	-.02	-.02	0	0
32	PLATE5	PY	-.02	-.02	0	0
33	PLATE4	PY	-.02	-.02	0	0
34	PLATE3	PY	-.02	-.02	0	0
35	PLATE2	PY	-.02	-.02	0	0
36	PLATE1	PY	-.02	-.02	0	0
37	PIPE3	PY	-.003	-.003	0	0
38	PIPE2	PY	-.003	-.003	0	0
39	PIPE1	PY	-.003	-.003	0	0
40	MP GAMMA4	PY	-.009	-.009	0	0
41	MP GAMMA3	PY	-.009	-.009	0	0
42	MP GAMMA2	PY	-.009	-.009	0	0
43	MP GAMMA1	PY	-.009	-.009	0	0
44	MP BETA4	PY	-.009	-.009	0	0
45	MP BETA3	PY	-.009	-.009	0	0
46	MP BETA2	PY	-.009	-.009	0	0
47	MP BETA1	PY	-.009	-.009	0	0
48	MP ALPHA4	PY	-.009	-.009	0	0
49	MP ALPHA3	PY	-.009	-.009	0	0
50	MP ALPHA2	PY	-.009	-.009	0	0
51	MP ALPHA1	PY	-.009	-.009	0	0
52	FACEBOT3	PY	-.008	-.008	0	0
53	FACEBOT2	PY	-.008	-.008	0	0
54	FACEBOT1	PY	-.004	-.004	0	0
55	CR3B	PY	-.008	-.008	0	0
56	CR3A	PY	-.008	-.008	0	0
57	CR2B	PY	-.008	-.008	0	0
58	CR2A	PY	-.008	-.008	0	0
59	CR1B	PY	-.008	-.008	0	0
60	CR1A	PY	-.008	-.008	0	0
61	SUP3B	PX	.004	.004	0	0
62	SUP3A	PX	.004	.004	0	0
63	SUP2B	PX	.004	.004	0	0
64	SUP2A	PX	.004	.004	0	0
65	SUP1B	PX	.004	.004	0	0
66	SUP1A	PX	.004	.004	0	0
67	SO3	PX	.005	.005	0	0
68	SO2	PX	.005	.005	0	0
69	SO1	PX	.005	.005	0	0
70	RC3	PX	.005	.005	0	0
71	RC2	PX	.005	.005	0	0
72	RC1	PX	.005	.005	0	0
73	RAIL3	PX	.002	.002	0	0
74	RAIL2	PX	.002	.002	0	0
75	RAIL1	PX	.004	.004	0	0
76	PLATECORNER3C	PX	.011	.011	0	0
77	PLATECORNER3B	PX	.011	.011	0	0
78	PLATECORNER3A	PX	.011	.011	0	0
79	PLATECORNER2C	PX	.011	.011	0	0
80	PLATECORNER2B	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
81	PLATECORNER2A	PX	.011	.011	0	0
82	PLATECORNER1C	PX	.011	.011	0	0
83	PLATECORNER1B	PX	.011	.011	0	0
84	PLATECORNER1A	PX	.011	.011	0	0
85	PLATE12	PX	.011	.011	0	0
86	PLATE11	PX	.011	.011	0	0
87	PLATE10	PX	.011	.011	0	0
88	PLATE9	PX	.011	.011	0	0
89	PLATE8	PX	.011	.011	0	0
90	PLATE7	PX	.011	.011	0	0
91	PLATE6	PX	.011	.011	0	0
92	PLATE5	PX	.011	.011	0	0
93	PLATE4	PX	.011	.011	0	0
94	PLATE3	PX	.011	.011	0	0
95	PLATE2	PX	.011	.011	0	0
96	PLATE1	PX	.011	.011	0	0
97	PIPE3	PX	.002	.002	0	0
98	PIPE2	PX	.002	.002	0	0
99	PIPE1	PX	.002	.002	0	0
100	MP GAMMA4	PX	.005	.005	0	0
101	MP GAMMA3	PX	.005	.005	0	0
102	MP GAMMA2	PX	.005	.005	0	0
103	MP GAMMA1	PX	.005	.005	0	0
104	MP BETA4	PX	.005	.005	0	0
105	MP BETA3	PX	.005	.005	0	0
106	MP BETA2	PX	.005	.005	0	0
107	MP BETA1	PX	.005	.005	0	0
108	MP ALPHA4	PX	.005	.005	0	0
109	MP ALPHA3	PX	.005	.005	0	0
110	MP ALPHA2	PX	.005	.005	0	0
111	MP ALPHA1	PX	.005	.005	0	0
112	FACEBOT3	PX	.005	.005	0	0
113	FACEBOT2	PX	.005	.005	0	0
114	FACEBOT1	PX	.002	.002	0	0
115	CR3B	PX	.005	.005	0	0
116	CR3A	PX	.005	.005	0	0
117	CR2B	PX	.005	.005	0	0
118	CR2A	PX	.005	.005	0	0
119	CR1B	PX	.005	.005	0	0
120	CR1A	PX	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.000428	-.000428	0	0
2	SUP3A	PY	-.000428	-.000428	0	0
3	SUP2B	PY	-.000428	-.000428	0	0
4	SUP2A	PY	-.000428	-.000428	0	0
5	SUP1B	PY	-.000428	-.000428	0	0
6	SUP1A	PY	-.000428	-.000428	0	0
7	SO3	PY	-.000535	-.000535	0	0
8	SO2	PY	-.000535	-.000535	0	0
9	SO1	PY	-.000535	-.000535	0	0
10	RC3	PY	-.000535	-.000535	0	0
11	RC2	PY	-.000535	-.000535	0	0
12	RC1	PY	-.000535	-.000535	0	0
13	RAIL3	PY	-.000211	-.000211	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
14	RAIL2	PY	-0.000211	-0.000211	0	0
15	RAIL1	PY	-0.000423	-0.000423	0	0
16	PLATECORNER3C	PY	-0.001	-0.001	0	0
17	PLATECORNER3B	PY	-0.001	-0.001	0	0
18	PLATECORNER3A	PY	-0.001	-0.001	0	0
19	PLATECORNER2C	PY	-0.001	-0.001	0	0
20	PLATECORNER2B	PY	-0.001	-0.001	0	0
21	PLATECORNER2A	PY	-0.001	-0.001	0	0
22	PLATECORNER1C	PY	-0.001	-0.001	0	0
23	PLATECORNER1B	PY	-0.001	-0.001	0	0
24	PLATECORNER1A	PY	-0.001	-0.001	0	0
25	PLATE12	PY	-0.001	-0.001	0	0
26	PLATE11	PY	-0.001	-0.001	0	0
27	PLATE10	PY	-0.001	-0.001	0	0
28	PLATE9	PY	-0.001	-0.001	0	0
29	PLATE8	PY	-0.001	-0.001	0	0
30	PLATE7	PY	-0.001	-0.001	0	0
31	PLATE6	PY	-0.001	-0.001	0	0
32	PLATE5	PY	-0.001	-0.001	0	0
33	PLATE4	PY	-0.001	-0.001	0	0
34	PLATE3	PY	-0.001	-0.001	0	0
35	PLATE2	PY	-0.001	-0.001	0	0
36	PLATE1	PY	-0.001	-0.001	0	0
37	PIPE3	PY	-0.000179	-0.000179	0	0
38	PIPE2	PY	-0.000179	-0.000179	0	0
39	PIPE1	PY	-0.000179	-0.000179	0	0
40	MP GAMMA4	PY	-0.00061	-0.00061	0	0
41	MP GAMMA3	PY	-0.00061	-0.00061	0	0
42	MP GAMMA2	PY	-0.00061	-0.00061	0	0
43	MP GAMMA1	PY	-0.00061	-0.00061	0	0
44	MP BETA4	PY	-0.00061	-0.00061	0	0
45	MP BETA3	PY	-0.00061	-0.00061	0	0
46	MP BETA2	PY	-0.00061	-0.00061	0	0
47	MP BETA1	PY	-0.00061	-0.00061	0	0
48	MP ALPHA4	PY	-0.00061	-0.00061	0	0
49	MP ALPHA3	PY	-0.00061	-0.00061	0	0
50	MP ALPHA2	PY	-0.00061	-0.00061	0	0
51	MP ALPHA1	PY	-0.00061	-0.00061	0	0
52	FACEBOT3	PY	-0.000529	-0.000529	0	0
53	FACEBOT2	PY	-0.000529	-0.000529	0	0
54	FACEBOT1	PY	-0.000264	-0.000264	0	0
55	CR3B	PY	-0.000535	-0.000535	0	0
56	CR3A	PY	-0.000535	-0.000535	0	0
57	CR2B	PY	-0.000535	-0.000535	0	0
58	CR2A	PY	-0.000535	-0.000535	0	0
59	CR1B	PY	-0.000535	-0.000535	0	0
60	CR1A	PY	-0.000535	-0.000535	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-0.000371	-0.000371	0	0
2	SUP3A	PY	-0.000371	-0.000371	0	0
3	SUP2B	PY	-0.000371	-0.000371	0	0
4	SUP2A	PY	-0.000371	-0.000371	0	0
5	SUP1B	PY	-0.000371	-0.000371	0	0
6	SUP1A	PY	-0.000371	-0.000371	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
7	SO3	PY	-.000463	-.000463	0	0
8	SO2	PY	-.000463	-.000463	0	0
9	SO1	PY	-.000463	-.000463	0	0
10	RC3	PY	-.000463	-.000463	0	0
11	RC2	PY	-.000463	-.000463	0	0
12	RC1	PY	-.000463	-.000463	0	0
13	RAIL3	PY	-.000183	-.000183	0	0
14	RAIL2	PY	-.000183	-.000183	0	0
15	RAIL1	PY	-.000366	-.000366	0	0
16	PLATECORNER3C	PY	-.001	-.001	0	0
17	PLATECORNER3B	PY	-.001	-.001	0	0
18	PLATECORNER3A	PY	-.001	-.001	0	0
19	PLATECORNER2C	PY	-.001	-.001	0	0
20	PLATECORNER2B	PY	-.001	-.001	0	0
21	PLATECORNER2A	PY	-.001	-.001	0	0
22	PLATECORNER1C	PY	-.001	-.001	0	0
23	PLATECORNER1B	PY	-.001	-.001	0	0
24	PLATECORNER1A	PY	-.001	-.001	0	0
25	PLATE12	PY	-.001	-.001	0	0
26	PLATE11	PY	-.001	-.001	0	0
27	PLATE10	PY	-.001	-.001	0	0
28	PLATE9	PY	-.001	-.001	0	0
29	PLATE8	PY	-.001	-.001	0	0
30	PLATE7	PY	-.001	-.001	0	0
31	PLATE6	PY	-.001	-.001	0	0
32	PLATE5	PY	-.001	-.001	0	0
33	PLATE4	PY	-.001	-.001	0	0
34	PLATE3	PY	-.001	-.001	0	0
35	PLATE2	PY	-.001	-.001	0	0
36	PLATE1	PY	-.001	-.001	0	0
37	PIPE3	PY	-.000155	-.000155	0	0
38	PIPE2	PY	-.000155	-.000155	0	0
39	PIPE1	PY	-.000155	-.000155	0	0
40	MP GAMMA4	PY	-.000528	-.000528	0	0
41	MP GAMMA3	PY	-.000528	-.000528	0	0
42	MP GAMMA2	PY	-.000528	-.000528	0	0
43	MP GAMMA1	PY	-.000528	-.000528	0	0
44	MP BETA4	PY	-.000528	-.000528	0	0
45	MP BETA3	PY	-.000528	-.000528	0	0
46	MP BETA2	PY	-.000528	-.000528	0	0
47	MP BETA1	PY	-.000528	-.000528	0	0
48	MP ALPHA4	PY	-.000528	-.000528	0	0
49	MP ALPHA3	PY	-.000528	-.000528	0	0
50	MP ALPHA2	PY	-.000528	-.000528	0	0
51	MP ALPHA1	PY	-.000528	-.000528	0	0
52	FACEBOT3	PY	-.000458	-.000458	0	0
53	FACEBOT2	PY	-.000458	-.000458	0	0
54	FACEBOT1	PY	-.000229	-.000229	0	0
55	CR3B	PY	-.000463	-.000463	0	0
56	CR3A	PY	-.000463	-.000463	0	0
57	CR2B	PY	-.000463	-.000463	0	0
58	CR2A	PY	-.000463	-.000463	0	0
59	CR1B	PY	-.000463	-.000463	0	0
60	CR1A	PY	-.000463	-.000463	0	0
61	SUP3B	PX	-.000214	-.000214	0	0
62	SUP3A	PX	-.000214	-.000214	0	0
63	SUP2B	PX	-.000214	-.000214	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
64	SUP2A	PX	-.000214	-.000214	0	0
65	SUP1B	PX	-.000214	-.000214	0	0
66	SUP1A	PX	-.000214	-.000214	0	0
67	SO3	PX	-.000267	-.000267	0	0
68	SO2	PX	-.000267	-.000267	0	0
69	SO1	PX	-.000267	-.000267	0	0
70	RC3	PX	-.000267	-.000267	0	0
71	RC2	PX	-.000267	-.000267	0	0
72	RC1	PX	-.000267	-.000267	0	0
73	RAIL3	PX	-.000106	-.000106	0	0
74	RAIL2	PX	-.000106	-.000106	0	0
75	RAIL1	PX	-.000211	-.000211	0	0
76	PLATECORNER3C	PX	-.000642	-.000642	0	0
77	PLATECORNER3B	PX	-.000642	-.000642	0	0
78	PLATECORNER3A	PX	-.000642	-.000642	0	0
79	PLATECORNER2C	PX	-.000642	-.000642	0	0
80	PLATECORNER2B	PX	-.000642	-.000642	0	0
81	PLATECORNER2A	PX	-.000642	-.000642	0	0
82	PLATECORNER1C	PX	-.000642	-.000642	0	0
83	PLATECORNER1B	PX	-.000642	-.000642	0	0
84	PLATECORNER1A	PX	-.000642	-.000642	0	0
85	PLATE12	PX	-.000642	-.000642	0	0
86	PLATE11	PX	-.000642	-.000642	0	0
87	PLATE10	PX	-.000642	-.000642	0	0
88	PLATE9	PX	-.000642	-.000642	0	0
89	PLATE8	PX	-.000642	-.000642	0	0
90	PLATE7	PX	-.000642	-.000642	0	0
91	PLATE6	PX	-.000642	-.000642	0	0
92	PLATE5	PX	-.000642	-.000642	0	0
93	PLATE4	PX	-.000642	-.000642	0	0
94	PLATE3	PX	-.000642	-.000642	0	0
95	PLATE2	PX	-.000642	-.000642	0	0
96	PLATE1	PX	-.000642	-.000642	0	0
97	PIPE3	PX	-9e-5	-9e-5	0	0
98	PIPE2	PX	-9e-5	-9e-5	0	0
99	PIPE1	PX	-9e-5	-9e-5	0	0
100	MP GAMMA4	PX	-.000305	-.000305	0	0
101	MP GAMMA3	PX	-.000305	-.000305	0	0
102	MP GAMMA2	PX	-.000305	-.000305	0	0
103	MP GAMMA1	PX	-.000305	-.000305	0	0
104	MP BETA4	PX	-.000305	-.000305	0	0
105	MP BETA3	PX	-.000305	-.000305	0	0
106	MP BETA2	PX	-.000305	-.000305	0	0
107	MP BETA1	PX	-.000305	-.000305	0	0
108	MP ALPHA4	PX	-.000305	-.000305	0	0
109	MP ALPHA3	PX	-.000305	-.000305	0	0
110	MP ALPHA2	PX	-.000305	-.000305	0	0
111	MP ALPHA1	PX	-.000305	-.000305	0	0
112	FACEBOT3	PX	-.000264	-.000264	0	0
113	FACEBOT2	PX	-.000264	-.000264	0	0
114	FACEBOT1	PX	-.000132	-.000132	0	0
115	CR3B	PX	-.000267	-.000267	0	0
116	CR3A	PX	-.000267	-.000267	0	0
117	CR2B	PX	-.000267	-.000267	0	0
118	CR2A	PX	-.000267	-.000267	0	0
119	CR1B	PX	-.000267	-.000267	0	0
120	CR1A	PX	-.000267	-.000267	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.000214	-.000214	0	0
2	SUP3A	PY	-.000214	-.000214	0	0
3	SUP2B	PY	-.000214	-.000214	0	0
4	SUP2A	PY	-.000214	-.000214	0	0
5	SUP1B	PY	-.000214	-.000214	0	0
6	SUP1A	PY	-.000214	-.000214	0	0
7	SO3	PY	-.000267	-.000267	0	0
8	SO2	PY	-.000267	-.000267	0	0
9	SO1	PY	-.000267	-.000267	0	0
10	RC3	PY	-.000267	-.000267	0	0
11	RC2	PY	-.000267	-.000267	0	0
12	RC1	PY	-.000267	-.000267	0	0
13	RAIL3	PY	-.000106	-.000106	0	0
14	RAIL2	PY	-.000106	-.000106	0	0
15	RAIL1	PY	-.000211	-.000211	0	0
16	PLATECORNER3C	PY	-.000642	-.000642	0	0
17	PLATECORNER3B	PY	-.000642	-.000642	0	0
18	PLATECORNER3A	PY	-.000642	-.000642	0	0
19	PLATECORNER2C	PY	-.000642	-.000642	0	0
20	PLATECORNER2B	PY	-.000642	-.000642	0	0
21	PLATECORNER2A	PY	-.000642	-.000642	0	0
22	PLATECORNER1C	PY	-.000642	-.000642	0	0
23	PLATECORNER1B	PY	-.000642	-.000642	0	0
24	PLATECORNER1A	PY	-.000642	-.000642	0	0
25	PLATE12	PY	-.000642	-.000642	0	0
26	PLATE11	PY	-.000642	-.000642	0	0
27	PLATE10	PY	-.000642	-.000642	0	0
28	PLATE9	PY	-.000642	-.000642	0	0
29	PLATE8	PY	-.000642	-.000642	0	0
30	PLATE7	PY	-.000642	-.000642	0	0
31	PLATE6	PY	-.000642	-.000642	0	0
32	PLATE5	PY	-.000642	-.000642	0	0
33	PLATE4	PY	-.000642	-.000642	0	0
34	PLATE3	PY	-.000642	-.000642	0	0
35	PLATE2	PY	-.000642	-.000642	0	0
36	PLATE1	PY	-.000642	-.000642	0	0
37	PIPE3	PY	-9e-5	-9e-5	0	0
38	PIPE2	PY	-9e-5	-9e-5	0	0
39	PIPE1	PY	-9e-5	-9e-5	0	0
40	MP GAMMA4	PY	-.000305	-.000305	0	0
41	MP GAMMA3	PY	-.000305	-.000305	0	0
42	MP GAMMA2	PY	-.000305	-.000305	0	0
43	MP GAMMA1	PY	-.000305	-.000305	0	0
44	MP BETA4	PY	-.000305	-.000305	0	0
45	MP BETA3	PY	-.000305	-.000305	0	0
46	MP BETA2	PY	-.000305	-.000305	0	0
47	MP BETA1	PY	-.000305	-.000305	0	0
48	MP ALPHA4	PY	-.000305	-.000305	0	0
49	MP ALPHA3	PY	-.000305	-.000305	0	0
50	MP ALPHA2	PY	-.000305	-.000305	0	0
51	MP ALPHA1	PY	-.000305	-.000305	0	0
52	FACEBOT3	PY	-.000264	-.000264	0	0
53	FACEBOT2	PY	-.000264	-.000264	0	0
54	FACEBOT1	PY	-.000132	-.000132	0	0
55	CR3B	PY	-.000267	-.000267	0	0
56	CR3A	PY	-.000267	-.000267	0	0
57	CR2B	PY	-.000267	-.000267	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	CR2A	PY	-.000267	-.000267	0	0
59	CR1B	PY	-.000267	-.000267	0	0
60	CR1A	PY	-.000267	-.000267	0	0
61	SUP3B	PX	-.000371	-.000371	0	0
62	SUP3A	PX	-.000371	-.000371	0	0
63	SUP2B	PX	-.000371	-.000371	0	0
64	SUP2A	PX	-.000371	-.000371	0	0
65	SUP1B	PX	-.000371	-.000371	0	0
66	SUP1A	PX	-.000371	-.000371	0	0
67	SO3	PX	-.000463	-.000463	0	0
68	SO2	PX	-.000463	-.000463	0	0
69	SO1	PX	-.000463	-.000463	0	0
70	RC3	PX	-.000463	-.000463	0	0
71	RC2	PX	-.000463	-.000463	0	0
72	RC1	PX	-.000463	-.000463	0	0
73	RAIL3	PX	-.000183	-.000183	0	0
74	RAIL2	PX	-.000183	-.000183	0	0
75	RAIL1	PX	-.000366	-.000366	0	0
76	PLATECORNER3C	PX	-.001	-.001	0	0
77	PLATECORNER3B	PX	-.001	-.001	0	0
78	PLATECORNER3A	PX	-.001	-.001	0	0
79	PLATECORNER2C	PX	-.001	-.001	0	0
80	PLATECORNER2B	PX	-.001	-.001	0	0
81	PLATECORNER2A	PX	-.001	-.001	0	0
82	PLATECORNER1C	PX	-.001	-.001	0	0
83	PLATECORNER1B	PX	-.001	-.001	0	0
84	PLATECORNER1A	PX	-.001	-.001	0	0
85	PLATE12	PX	-.001	-.001	0	0
86	PLATE11	PX	-.001	-.001	0	0
87	PLATE10	PX	-.001	-.001	0	0
88	PLATE9	PX	-.001	-.001	0	0
89	PLATE8	PX	-.001	-.001	0	0
90	PLATE7	PX	-.001	-.001	0	0
91	PLATE6	PX	-.001	-.001	0	0
92	PLATE5	PX	-.001	-.001	0	0
93	PLATE4	PX	-.001	-.001	0	0
94	PLATE3	PX	-.001	-.001	0	0
95	PLATE2	PX	-.001	-.001	0	0
96	PLATE1	PX	-.001	-.001	0	0
97	PIPE3	PX	-.000155	-.000155	0	0
98	PIPE2	PX	-.000155	-.000155	0	0
99	PIPE1	PX	-.000155	-.000155	0	0
100	MP GAMMA4	PX	-.000528	-.000528	0	0
101	MP GAMMA3	PX	-.000528	-.000528	0	0
102	MP GAMMA2	PX	-.000528	-.000528	0	0
103	MP GAMMA1	PX	-.000528	-.000528	0	0
104	MP BETA4	PX	-.000528	-.000528	0	0
105	MP BETA3	PX	-.000528	-.000528	0	0
106	MP BETA2	PX	-.000528	-.000528	0	0
107	MP BETA1	PX	-.000528	-.000528	0	0
108	MP ALPHA4	PX	-.000528	-.000528	0	0
109	MP ALPHA3	PX	-.000528	-.000528	0	0
110	MP ALPHA2	PX	-.000528	-.000528	0	0
111	MP ALPHA1	PX	-.000528	-.000528	0	0
112	FACEBOT3	PX	-.000458	-.000458	0	0
113	FACEBOT2	PX	-.000458	-.000458	0	0
114	FACEBOT1	PX	-.000229	-.000229	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	CR3B	PX	-.000463	-.000463	0	0
116	CR3A	PX	-.000463	-.000463	0	0
117	CR2B	PX	-.000463	-.000463	0	0
118	CR2A	PX	-.000463	-.000463	0	0
119	CR1B	PX	-.000463	-.000463	0	0
120	CR1A	PX	-.000463	-.000463	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PX	-.000428	-.000428	0	0
2	SUP3A	PX	-.000428	-.000428	0	0
3	SUP2B	PX	-.000428	-.000428	0	0
4	SUP2A	PX	-.000428	-.000428	0	0
5	SUP1B	PX	-.000428	-.000428	0	0
6	SUP1A	PX	-.000428	-.000428	0	0
7	SO3	PX	-.000535	-.000535	0	0
8	SO2	PX	-.000535	-.000535	0	0
9	SO1	PX	-.000535	-.000535	0	0
10	RC3	PX	-.000535	-.000535	0	0
11	RC2	PX	-.000535	-.000535	0	0
12	RC1	PX	-.000535	-.000535	0	0
13	RAIL3	PX	-.000211	-.000211	0	0
14	RAIL1	PX	-.000211	-.000211	0	0
15	RAIL2	PX	-.000423	-.000423	0	0
16	PLATECORNER3C	PX	-.001	-.001	0	0
17	PLATECORNER3B	PX	-.001	-.001	0	0
18	PLATECORNER3A	PX	-.001	-.001	0	0
19	PLATECORNER2C	PX	-.001	-.001	0	0
20	PLATECORNER2B	PX	-.001	-.001	0	0
21	PLATECORNER2A	PX	-.001	-.001	0	0
22	PLATECORNER1C	PX	-.001	-.001	0	0
23	PLATECORNER1B	PX	-.001	-.001	0	0
24	PLATECORNER1A	PX	-.001	-.001	0	0
25	PLATE12	PX	-.001	-.001	0	0
26	PLATE11	PX	-.001	-.001	0	0
27	PLATE10	PX	-.001	-.001	0	0
28	PLATE9	PX	-.001	-.001	0	0
29	PLATE8	PX	-.001	-.001	0	0
30	PLATE7	PX	-.001	-.001	0	0
31	PLATE6	PX	-.001	-.001	0	0
32	PLATE5	PX	-.001	-.001	0	0
33	PLATE4	PX	-.001	-.001	0	0
34	PLATE3	PX	-.001	-.001	0	0
35	PLATE2	PX	-.001	-.001	0	0
36	PLATE1	PX	-.001	-.001	0	0
37	PIPE3	PX	-.000179	-.000179	0	0
38	PIPE2	PX	-.000179	-.000179	0	0
39	PIPE1	PX	-.000179	-.000179	0	0
40	MP GAMMA4	PX	-.00061	-.00061	0	0
41	MP GAMMA3	PX	-.00061	-.00061	0	0
42	MP GAMMA2	PX	-.00061	-.00061	0	0
43	MP GAMMA1	PX	-.00061	-.00061	0	0
44	MP BETA4	PX	-.00061	-.00061	0	0
45	MP BETA3	PX	-.00061	-.00061	0	0
46	MP BETA2	PX	-.00061	-.00061	0	0
47	MP BETA1	PX	-.00061	-.00061	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
48	MP ALPHA4	PX	-.00061	-.00061	0	0
49	MP ALPHA3	PX	-.00061	-.00061	0	0
50	MP ALPHA2	PX	-.00061	-.00061	0	0
51	MP ALPHA1	PX	-.00061	-.00061	0	0
52	FACEBOT3	PX	-.000529	-.000529	0	0
53	FACEBOT1	PX	-.000529	-.000529	0	0
54	FACEBOT2	PX	-.000264	-.000264	0	0
55	CR3B	PX	-.000535	-.000535	0	0
56	CR3A	PX	-.000535	-.000535	0	0
57	CR2B	PX	-.000535	-.000535	0	0
58	CR2A	PX	-.000535	-.000535	0	0
59	CR1B	PX	-.000535	-.000535	0	0
60	CR1A	PX	-.000535	-.000535	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000214	.000214	0	0
2	SUP3A	PY	.000214	.000214	0	0
3	SUP2B	PY	.000214	.000214	0	0
4	SUP2A	PY	.000214	.000214	0	0
5	SUP1B	PY	.000214	.000214	0	0
6	SUP1A	PY	.000214	.000214	0	0
7	SO3	PY	.000267	.000267	0	0
8	SO2	PY	.000267	.000267	0	0
9	SO1	PY	.000267	.000267	0	0
10	RC3	PY	.000267	.000267	0	0
11	RC2	PY	.000267	.000267	0	0
12	RC1	PY	.000267	.000267	0	0
13	RAIL3	PY	.000106	.000106	0	0
14	RAIL1	PY	.000106	.000106	0	0
15	RAIL2	PY	.000211	.000211	0	0
16	PLATECORNER3C	PY	.000642	.000642	0	0
17	PLATECORNER3B	PY	.000642	.000642	0	0
18	PLATECORNER3A	PY	.000642	.000642	0	0
19	PLATECORNER2C	PY	.000642	.000642	0	0
20	PLATECORNER2B	PY	.000642	.000642	0	0
21	PLATECORNER2A	PY	.000642	.000642	0	0
22	PLATECORNER1C	PY	.000642	.000642	0	0
23	PLATECORNER1B	PY	.000642	.000642	0	0
24	PLATECORNER1A	PY	.000642	.000642	0	0
25	PLATE12	PY	.000642	.000642	0	0
26	PLATE11	PY	.000642	.000642	0	0
27	PLATE10	PY	.000642	.000642	0	0
28	PLATE9	PY	.000642	.000642	0	0
29	PLATE8	PY	.000642	.000642	0	0
30	PLATE7	PY	.000642	.000642	0	0
31	PLATE6	PY	.000642	.000642	0	0
32	PLATE5	PY	.000642	.000642	0	0
33	PLATE4	PY	.000642	.000642	0	0
34	PLATE3	PY	.000642	.000642	0	0
35	PLATE2	PY	.000642	.000642	0	0
36	PLATE1	PY	.000642	.000642	0	0
37	PIPE3	PY	9e-5	9e-5	0	0
38	PIPE2	PY	9e-5	9e-5	0	0
39	PIPE1	PY	9e-5	9e-5	0	0
40	MP GAMMA4	PY	.000305	.000305	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
41	MP GAMMA3	PY	.000305	.000305	0	0
42	MP GAMMA2	PY	.000305	.000305	0	0
43	MP GAMMA1	PY	.000305	.000305	0	0
44	MP BETA4	PY	.000305	.000305	0	0
45	MP BETA3	PY	.000305	.000305	0	0
46	MP BETA2	PY	.000305	.000305	0	0
47	MP BETA1	PY	.000305	.000305	0	0
48	MP ALPHA4	PY	.000305	.000305	0	0
49	MP ALPHA3	PY	.000305	.000305	0	0
50	MP ALPHA2	PY	.000305	.000305	0	0
51	MP ALPHA1	PY	.000305	.000305	0	0
52	FACEBOT3	PY	.000264	.000264	0	0
53	FACEBOT1	PY	.000264	.000264	0	0
54	FACEBOT2	PY	.000132	.000132	0	0
55	CR3B	PY	.000267	.000267	0	0
56	CR3A	PY	.000267	.000267	0	0
57	CR2B	PY	.000267	.000267	0	0
58	CR2A	PY	.000267	.000267	0	0
59	CR1B	PY	.000267	.000267	0	0
60	CR1A	PY	.000267	.000267	0	0
61	SUP3B	PX	-.000371	-.000371	0	0
62	SUP3A	PX	-.000371	-.000371	0	0
63	SUP2B	PX	-.000371	-.000371	0	0
64	SUP2A	PX	-.000371	-.000371	0	0
65	SUP1B	PX	-.000371	-.000371	0	0
66	SUP1A	PX	-.000371	-.000371	0	0
67	SO3	PX	-.000463	-.000463	0	0
68	SO2	PX	-.000463	-.000463	0	0
69	SO1	PX	-.000463	-.000463	0	0
70	RC3	PX	-.000463	-.000463	0	0
71	RC2	PX	-.000463	-.000463	0	0
72	RC1	PX	-.000463	-.000463	0	0
73	RAIL3	PX	-.000183	-.000183	0	0
74	RAIL1	PX	-.000183	-.000183	0	0
75	RAIL2	PX	-.000366	-.000366	0	0
76	PLATECORNER3C	PX	-.001	-.001	0	0
77	PLATECORNER3B	PX	-.001	-.001	0	0
78	PLATECORNER3A	PX	-.001	-.001	0	0
79	PLATECORNER2C	PX	-.001	-.001	0	0
80	PLATECORNER2B	PX	-.001	-.001	0	0
81	PLATECORNER2A	PX	-.001	-.001	0	0
82	PLATECORNER1C	PX	-.001	-.001	0	0
83	PLATECORNER1B	PX	-.001	-.001	0	0
84	PLATECORNER1A	PX	-.001	-.001	0	0
85	PLATE12	PX	-.001	-.001	0	0
86	PLATE11	PX	-.001	-.001	0	0
87	PLATE10	PX	-.001	-.001	0	0
88	PLATE9	PX	-.001	-.001	0	0
89	PLATE8	PX	-.001	-.001	0	0
90	PLATE7	PX	-.001	-.001	0	0
91	PLATE6	PX	-.001	-.001	0	0
92	PLATE5	PX	-.001	-.001	0	0
93	PLATE4	PX	-.001	-.001	0	0
94	PLATE3	PX	-.001	-.001	0	0
95	PLATE2	PX	-.001	-.001	0	0
96	PLATE1	PX	-.001	-.001	0	0
97	PIPE3	PX	-.000155	-.000155	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
98	PIPE2	PX	-.000155	-.000155	0	0
99	PIPE1	PX	-.000155	-.000155	0	0
100	MP GAMMA4	PX	-.000528	-.000528	0	0
101	MP GAMMA3	PX	-.000528	-.000528	0	0
102	MP GAMMA2	PX	-.000528	-.000528	0	0
103	MP GAMMA1	PX	-.000528	-.000528	0	0
104	MP BETA4	PX	-.000528	-.000528	0	0
105	MP BETA3	PX	-.000528	-.000528	0	0
106	MP BETA2	PX	-.000528	-.000528	0	0
107	MP BETA1	PX	-.000528	-.000528	0	0
108	MP ALPHA4	PX	-.000528	-.000528	0	0
109	MP ALPHA3	PX	-.000528	-.000528	0	0
110	MP ALPHA2	PX	-.000528	-.000528	0	0
111	MP ALPHA1	PX	-.000528	-.000528	0	0
112	FACEBOT3	PX	-.000458	-.000458	0	0
113	FACEBOT1	PX	-.000458	-.000458	0	0
114	FACEBOT2	PX	-.000229	-.000229	0	0
115	CR3B	PX	-.000463	-.000463	0	0
116	CR3A	PX	-.000463	-.000463	0	0
117	CR2B	PX	-.000463	-.000463	0	0
118	CR2A	PX	-.000463	-.000463	0	0
119	CR1B	PX	-.000463	-.000463	0	0
120	CR1A	PX	-.000463	-.000463	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000371	.000371	0	0
2	SUP3A	PY	.000371	.000371	0	0
3	SUP2B	PY	.000371	.000371	0	0
4	SUP2A	PY	.000371	.000371	0	0
5	SUP1B	PY	.000371	.000371	0	0
6	SUP1A	PY	.000371	.000371	0	0
7	SO3	PY	.000463	.000463	0	0
8	SO2	PY	.000463	.000463	0	0
9	SO1	PY	.000463	.000463	0	0
10	RC3	PY	.000463	.000463	0	0
11	RC2	PY	.000463	.000463	0	0
12	RC1	PY	.000463	.000463	0	0
13	RAIL3	PY	.000183	.000183	0	0
14	RAIL1	PY	.000183	.000183	0	0
15	RAIL2	PY	.000366	.000366	0	0
16	PLATECORNER3C	PY	.001	.001	0	0
17	PLATECORNER3B	PY	.001	.001	0	0
18	PLATECORNER3A	PY	.001	.001	0	0
19	PLATECORNER2C	PY	.001	.001	0	0
20	PLATECORNER2B	PY	.001	.001	0	0
21	PLATECORNER2A	PY	.001	.001	0	0
22	PLATECORNER1C	PY	.001	.001	0	0
23	PLATECORNER1B	PY	.001	.001	0	0
24	PLATECORNER1A	PY	.001	.001	0	0
25	PLATE12	PY	.001	.001	0	0
26	PLATE11	PY	.001	.001	0	0
27	PLATE10	PY	.001	.001	0	0
28	PLATE9	PY	.001	.001	0	0
29	PLATE8	PY	.001	.001	0	0
30	PLATE7	PY	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
31	PLATE6	PY	.001	.001	0	0
32	PLATE5	PY	.001	.001	0	0
33	PLATE4	PY	.001	.001	0	0
34	PLATE3	PY	.001	.001	0	0
35	PLATE2	PY	.001	.001	0	0
36	PLATE1	PY	.001	.001	0	0
37	PIPE3	PY	.000155	.000155	0	0
38	PIPE2	PY	.000155	.000155	0	0
39	PIPE1	PY	.000155	.000155	0	0
40	MP GAMMA4	PY	.000528	.000528	0	0
41	MP GAMMA3	PY	.000528	.000528	0	0
42	MP GAMMA2	PY	.000528	.000528	0	0
43	MP GAMMA1	PY	.000528	.000528	0	0
44	MP BETA4	PY	.000528	.000528	0	0
45	MP BETA3	PY	.000528	.000528	0	0
46	MP BETA2	PY	.000528	.000528	0	0
47	MP BETA1	PY	.000528	.000528	0	0
48	MP ALPHA4	PY	.000528	.000528	0	0
49	MP ALPHA3	PY	.000528	.000528	0	0
50	MP ALPHA2	PY	.000528	.000528	0	0
51	MP ALPHA1	PY	.000528	.000528	0	0
52	FACEBOT3	PY	.000458	.000458	0	0
53	FACEBOT1	PY	.000458	.000458	0	0
54	FACEBOT2	PY	.000229	.000229	0	0
55	CR3B	PY	.000463	.000463	0	0
56	CR3A	PY	.000463	.000463	0	0
57	CR2B	PY	.000463	.000463	0	0
58	CR2A	PY	.000463	.000463	0	0
59	CR1B	PY	.000463	.000463	0	0
60	CR1A	PY	.000463	.000463	0	0
61	SUP3B	PX	-.000214	-.000214	0	0
62	SUP3A	PX	-.000214	-.000214	0	0
63	SUP2B	PX	-.000214	-.000214	0	0
64	SUP2A	PX	-.000214	-.000214	0	0
65	SUP1B	PX	-.000214	-.000214	0	0
66	SUP1A	PX	-.000214	-.000214	0	0
67	SO3	PX	-.000267	-.000267	0	0
68	SO2	PX	-.000267	-.000267	0	0
69	SO1	PX	-.000267	-.000267	0	0
70	RC3	PX	-.000267	-.000267	0	0
71	RC2	PX	-.000267	-.000267	0	0
72	RC1	PX	-.000267	-.000267	0	0
73	RAIL3	PX	-.000106	-.000106	0	0
74	RAIL1	PX	-.000106	-.000106	0	0
75	RAIL2	PX	-.000211	-.000211	0	0
76	PLATECORNER3C	PX	-.000642	-.000642	0	0
77	PLATECORNER3B	PX	-.000642	-.000642	0	0
78	PLATECORNER3A	PX	-.000642	-.000642	0	0
79	PLATECORNER2C	PX	-.000642	-.000642	0	0
80	PLATECORNER2B	PX	-.000642	-.000642	0	0
81	PLATECORNER2A	PX	-.000642	-.000642	0	0
82	PLATECORNER1C	PX	-.000642	-.000642	0	0
83	PLATECORNER1B	PX	-.000642	-.000642	0	0
84	PLATECORNER1A	PX	-.000642	-.000642	0	0
85	PLATE12	PX	-.000642	-.000642	0	0
86	PLATE11	PX	-.000642	-.000642	0	0
87	PLATE10	PX	-.000642	-.000642	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
88	PLATE9	PX	-.000642	-.000642	0	0
89	PLATE8	PX	-.000642	-.000642	0	0
90	PLATE7	PX	-.000642	-.000642	0	0
91	PLATE6	PX	-.000642	-.000642	0	0
92	PLATE5	PX	-.000642	-.000642	0	0
93	PLATE4	PX	-.000642	-.000642	0	0
94	PLATE3	PX	-.000642	-.000642	0	0
95	PLATE2	PX	-.000642	-.000642	0	0
96	PLATE1	PX	-.000642	-.000642	0	0
97	PIPE3	PX	-9e-5	-9e-5	0	0
98	PIPE2	PX	-9e-5	-9e-5	0	0
99	PIPE1	PX	-9e-5	-9e-5	0	0
100	MP GAMMA4	PX	-.000305	-.000305	0	0
101	MP GAMMA3	PX	-.000305	-.000305	0	0
102	MP GAMMA2	PX	-.000305	-.000305	0	0
103	MP GAMMA1	PX	-.000305	-.000305	0	0
104	MP BETA4	PX	-.000305	-.000305	0	0
105	MP BETA3	PX	-.000305	-.000305	0	0
106	MP BETA2	PX	-.000305	-.000305	0	0
107	MP BETA1	PX	-.000305	-.000305	0	0
108	MP ALPHA4	PX	-.000305	-.000305	0	0
109	MP ALPHA3	PX	-.000305	-.000305	0	0
110	MP ALPHA2	PX	-.000305	-.000305	0	0
111	MP ALPHA1	PX	-.000305	-.000305	0	0
112	FACEBOT3	PX	-.000264	-.000264	0	0
113	FACEBOT1	PX	-.000264	-.000264	0	0
114	FACEBOT2	PX	-.000132	-.000132	0	0
115	CR3B	PX	-.000267	-.000267	0	0
116	CR3A	PX	-.000267	-.000267	0	0
117	CR2B	PX	-.000267	-.000267	0	0
118	CR2A	PX	-.000267	-.000267	0	0
119	CR1B	PX	-.000267	-.000267	0	0
120	CR1A	PX	-.000267	-.000267	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000428	.000428	0	0
2	SUP3A	PY	.000428	.000428	0	0
3	SUP2B	PY	.000428	.000428	0	0
4	SUP2A	PY	.000428	.000428	0	0
5	SUP1B	PY	.000428	.000428	0	0
6	SUP1A	PY	.000428	.000428	0	0
7	SO3	PY	.000535	.000535	0	0
8	SO2	PY	.000535	.000535	0	0
9	SO1	PY	.000535	.000535	0	0
10	RC3	PY	.000535	.000535	0	0
11	RC2	PY	.000535	.000535	0	0
12	RC1	PY	.000535	.000535	0	0
13	RAIL3	PY	.000211	.000211	0	0
14	RAIL1	PY	.000211	.000211	0	0
15	RAIL2	PY	.000423	.000423	0	0
16	PLATECORNER3C	PY	.001	.001	0	0
17	PLATECORNER3B	PY	.001	.001	0	0
18	PLATECORNER3A	PY	.001	.001	0	0
19	PLATECORNER2C	PY	.001	.001	0	0
20	PLATECORNER2B	PY	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
21	PLATECORNER2A	PY	.001	.001	0	0
22	PLATECORNER1C	PY	.001	.001	0	0
23	PLATECORNER1B	PY	.001	.001	0	0
24	PLATECORNER1A	PY	.001	.001	0	0
25	PLATE12	PY	.001	.001	0	0
26	PLATE11	PY	.001	.001	0	0
27	PLATE10	PY	.001	.001	0	0
28	PLATE9	PY	.001	.001	0	0
29	PLATE8	PY	.001	.001	0	0
30	PLATE7	PY	.001	.001	0	0
31	PLATE6	PY	.001	.001	0	0
32	PLATE5	PY	.001	.001	0	0
33	PLATE4	PY	.001	.001	0	0
34	PLATE3	PY	.001	.001	0	0
35	PLATE2	PY	.001	.001	0	0
36	PLATE1	PY	.001	.001	0	0
37	PIPE3	PY	.000179	.000179	0	0
38	PIPE2	PY	.000179	.000179	0	0
39	PIPE1	PY	.000179	.000179	0	0
40	MP GAMMA4	PY	.00061	.00061	0	0
41	MP GAMMA3	PY	.00061	.00061	0	0
42	MP GAMMA2	PY	.00061	.00061	0	0
43	MP GAMMA1	PY	.00061	.00061	0	0
44	MP BETA4	PY	.00061	.00061	0	0
45	MP BETA3	PY	.00061	.00061	0	0
46	MP BETA2	PY	.00061	.00061	0	0
47	MP BETA1	PY	.00061	.00061	0	0
48	MP ALPHA4	PY	.00061	.00061	0	0
49	MP ALPHA3	PY	.00061	.00061	0	0
50	MP ALPHA2	PY	.00061	.00061	0	0
51	MP ALPHA1	PY	.00061	.00061	0	0
52	FACEBOT3	PY	.000529	.000529	0	0
53	FACEBOT1	PY	.000529	.000529	0	0
54	FACEBOT2	PY	.000264	.000264	0	0
55	CR3B	PY	.000535	.000535	0	0
56	CR3A	PY	.000535	.000535	0	0
57	CR2B	PY	.000535	.000535	0	0
58	CR2A	PY	.000535	.000535	0	0
59	CR1B	PY	.000535	.000535	0	0
60	CR1A	PY	.000535	.000535	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000371	.000371	0	0
2	SUP3A	PY	.000371	.000371	0	0
3	SUP2B	PY	.000371	.000371	0	0
4	SUP2A	PY	.000371	.000371	0	0
5	SUP1B	PY	.000371	.000371	0	0
6	SUP1A	PY	.000371	.000371	0	0
7	SO3	PY	.000463	.000463	0	0
8	SO2	PY	.000463	.000463	0	0
9	SO1	PY	.000463	.000463	0	0
10	RC3	PY	.000463	.000463	0	0
11	RC2	PY	.000463	.000463	0	0
12	RC1	PY	.000463	.000463	0	0
13	RAIL1	PY	.000183	.000183	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
14	RAIL2	PY	.000183	.000183	0	0
15	RAIL3	PY	.000366	.000366	0	0
16	PLATECORNER3C	PY	.001	.001	0	0
17	PLATECORNER3B	PY	.001	.001	0	0
18	PLATECORNER3A	PY	.001	.001	0	0
19	PLATECORNER2C	PY	.001	.001	0	0
20	PLATECORNER2B	PY	.001	.001	0	0
21	PLATECORNER2A	PY	.001	.001	0	0
22	PLATECORNER1C	PY	.001	.001	0	0
23	PLATECORNER1B	PY	.001	.001	0	0
24	PLATECORNER1A	PY	.001	.001	0	0
25	PLATE12	PY	.001	.001	0	0
26	PLATE11	PY	.001	.001	0	0
27	PLATE10	PY	.001	.001	0	0
28	PLATE9	PY	.001	.001	0	0
29	PLATE8	PY	.001	.001	0	0
30	PLATE7	PY	.001	.001	0	0
31	PLATE6	PY	.001	.001	0	0
32	PLATE5	PY	.001	.001	0	0
33	PLATE4	PY	.001	.001	0	0
34	PLATE3	PY	.001	.001	0	0
35	PLATE2	PY	.001	.001	0	0
36	PLATE1	PY	.001	.001	0	0
37	PIPE3	PY	.000155	.000155	0	0
38	PIPE2	PY	.000155	.000155	0	0
39	PIPE1	PY	.000155	.000155	0	0
40	MP GAMMA4	PY	.000528	.000528	0	0
41	MP GAMMA3	PY	.000528	.000528	0	0
42	MP GAMMA2	PY	.000528	.000528	0	0
43	MP GAMMA1	PY	.000528	.000528	0	0
44	MP BETA4	PY	.000528	.000528	0	0
45	MP BETA3	PY	.000528	.000528	0	0
46	MP BETA2	PY	.000528	.000528	0	0
47	MP BETA1	PY	.000528	.000528	0	0
48	MP ALPHA4	PY	.000528	.000528	0	0
49	MP ALPHA3	PY	.000528	.000528	0	0
50	MP ALPHA2	PY	.000528	.000528	0	0
51	MP ALPHA1	PY	.000528	.000528	0	0
52	FACEBOT1	PY	.000458	.000458	0	0
53	FACEBOT2	PY	.000458	.000458	0	0
54	FACEBOT3	PY	.000229	.000229	0	0
55	CR3B	PY	.000463	.000463	0	0
56	CR3A	PY	.000463	.000463	0	0
57	CR2B	PY	.000463	.000463	0	0
58	CR2A	PY	.000463	.000463	0	0
59	CR1B	PY	.000463	.000463	0	0
60	CR1A	PY	.000463	.000463	0	0
61	SUP3B	PX	.000214	.000214	0	0
62	SUP3A	PX	.000214	.000214	0	0
63	SUP2B	PX	.000214	.000214	0	0
64	SUP2A	PX	.000214	.000214	0	0
65	SUP1B	PX	.000214	.000214	0	0
66	SUP1A	PX	.000214	.000214	0	0
67	SO3	PX	.000267	.000267	0	0
68	SO2	PX	.000267	.000267	0	0
69	SO1	PX	.000267	.000267	0	0
70	RC3	PX	.000267	.000267	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
71	RC2	PX	.000267	.000267	0	0
72	RC1	PX	.000267	.000267	0	0
73	RAIL1	PX	.000106	.000106	0	0
74	RAIL2	PX	.000106	.000106	0	0
75	RAIL3	PX	.000211	.000211	0	0
76	PLATECORNER3C	PX	.000642	.000642	0	0
77	PLATECORNER3B	PX	.000642	.000642	0	0
78	PLATECORNER3A	PX	.000642	.000642	0	0
79	PLATECORNER2C	PX	.000642	.000642	0	0
80	PLATECORNER2B	PX	.000642	.000642	0	0
81	PLATECORNER2A	PX	.000642	.000642	0	0
82	PLATECORNER1C	PX	.000642	.000642	0	0
83	PLATECORNER1B	PX	.000642	.000642	0	0
84	PLATECORNER1A	PX	.000642	.000642	0	0
85	PLATE12	PX	.000642	.000642	0	0
86	PLATE11	PX	.000642	.000642	0	0
87	PLATE10	PX	.000642	.000642	0	0
88	PLATE9	PX	.000642	.000642	0	0
89	PLATE8	PX	.000642	.000642	0	0
90	PLATE7	PX	.000642	.000642	0	0
91	PLATE6	PX	.000642	.000642	0	0
92	PLATE5	PX	.000642	.000642	0	0
93	PLATE4	PX	.000642	.000642	0	0
94	PLATE3	PX	.000642	.000642	0	0
95	PLATE2	PX	.000642	.000642	0	0
96	PLATE1	PX	.000642	.000642	0	0
97	PIPE3	PX	9e-5	9e-5	0	0
98	PIPE2	PX	9e-5	9e-5	0	0
99	PIPE1	PX	9e-5	9e-5	0	0
100	MP GAMMA4	PX	.000305	.000305	0	0
101	MP GAMMA3	PX	.000305	.000305	0	0
102	MP GAMMA2	PX	.000305	.000305	0	0
103	MP GAMMA1	PX	.000305	.000305	0	0
104	MP BETA4	PX	.000305	.000305	0	0
105	MP BETA3	PX	.000305	.000305	0	0
106	MP BETA2	PX	.000305	.000305	0	0
107	MP BETA1	PX	.000305	.000305	0	0
108	MP ALPHA4	PX	.000305	.000305	0	0
109	MP ALPHA3	PX	.000305	.000305	0	0
110	MP ALPHA2	PX	.000305	.000305	0	0
111	MP ALPHA1	PX	.000305	.000305	0	0
112	FACEBOT1	PX	.000264	.000264	0	0
113	FACEBOT2	PX	.000264	.000264	0	0
114	FACEBOT3	PX	.000132	.000132	0	0
115	CR3B	PX	.000267	.000267	0	0
116	CR3A	PX	.000267	.000267	0	0
117	CR2B	PX	.000267	.000267	0	0
118	CR2A	PX	.000267	.000267	0	0
119	CR1B	PX	.000267	.000267	0	0
120	CR1A	PX	.000267	.000267	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000214	.000214	0	0
2	SUP3A	PY	.000214	.000214	0	0
3	SUP2B	PY	.000214	.000214	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
4	SUP2A	PY	.000214	.000214	0	0
5	SUP1B	PY	.000214	.000214	0	0
6	SUP1A	PY	.000214	.000214	0	0
7	SO3	PY	.000267	.000267	0	0
8	SO2	PY	.000267	.000267	0	0
9	SO1	PY	.000267	.000267	0	0
10	RC3	PY	.000267	.000267	0	0
11	RC2	PY	.000267	.000267	0	0
12	RC1	PY	.000267	.000267	0	0
13	RAIL1	PY	.000106	.000106	0	0
14	RAIL2	PY	.000106	.000106	0	0
15	RAIL3	PY	.000211	.000211	0	0
16	PLATECORNER3C	PY	.000642	.000642	0	0
17	PLATECORNER3B	PY	.000642	.000642	0	0
18	PLATECORNER3A	PY	.000642	.000642	0	0
19	PLATECORNER2C	PY	.000642	.000642	0	0
20	PLATECORNER2B	PY	.000642	.000642	0	0
21	PLATECORNER2A	PY	.000642	.000642	0	0
22	PLATECORNER1C	PY	.000642	.000642	0	0
23	PLATECORNER1B	PY	.000642	.000642	0	0
24	PLATECORNER1A	PY	.000642	.000642	0	0
25	PLATE12	PY	.000642	.000642	0	0
26	PLATE11	PY	.000642	.000642	0	0
27	PLATE10	PY	.000642	.000642	0	0
28	PLATE9	PY	.000642	.000642	0	0
29	PLATE8	PY	.000642	.000642	0	0
30	PLATE7	PY	.000642	.000642	0	0
31	PLATE6	PY	.000642	.000642	0	0
32	PLATE5	PY	.000642	.000642	0	0
33	PLATE4	PY	.000642	.000642	0	0
34	PLATE3	PY	.000642	.000642	0	0
35	PLATE2	PY	.000642	.000642	0	0
36	PLATE1	PY	.000642	.000642	0	0
37	PIPE3	PY	9e-5	9e-5	0	0
38	PIPE2	PY	9e-5	9e-5	0	0
39	PIPE1	PY	9e-5	9e-5	0	0
40	MP GAMMA4	PY	.000305	.000305	0	0
41	MP GAMMA3	PY	.000305	.000305	0	0
42	MP GAMMA2	PY	.000305	.000305	0	0
43	MP GAMMA1	PY	.000305	.000305	0	0
44	MP BETA4	PY	.000305	.000305	0	0
45	MP BETA3	PY	.000305	.000305	0	0
46	MP BETA2	PY	.000305	.000305	0	0
47	MP BETA1	PY	.000305	.000305	0	0
48	MP ALPHA4	PY	.000305	.000305	0	0
49	MP ALPHA3	PY	.000305	.000305	0	0
50	MP ALPHA2	PY	.000305	.000305	0	0
51	MP ALPHA1	PY	.000305	.000305	0	0
52	FACEBOT1	PY	.000264	.000264	0	0
53	FACEBOT2	PY	.000264	.000264	0	0
54	FACEBOT3	PY	.000132	.000132	0	0
55	CR3B	PY	.000267	.000267	0	0
56	CR3A	PY	.000267	.000267	0	0
57	CR2B	PY	.000267	.000267	0	0
58	CR2A	PY	.000267	.000267	0	0
59	CR1B	PY	.000267	.000267	0	0
60	CR1A	PY	.000267	.000267	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	SUP3B	PX	.000371	.000371	0	0
62	SUP3A	PX	.000371	.000371	0	0
63	SUP2B	PX	.000371	.000371	0	0
64	SUP2A	PX	.000371	.000371	0	0
65	SUP1B	PX	.000371	.000371	0	0
66	SUP1A	PX	.000371	.000371	0	0
67	SO3	PX	.000463	.000463	0	0
68	SO2	PX	.000463	.000463	0	0
69	SO1	PX	.000463	.000463	0	0
70	RC3	PX	.000463	.000463	0	0
71	RC2	PX	.000463	.000463	0	0
72	RC1	PX	.000463	.000463	0	0
73	RAIL1	PX	.000183	.000183	0	0
74	RAIL2	PX	.000183	.000183	0	0
75	RAIL3	PX	.000366	.000366	0	0
76	PLATECORNER3C	PX	.001	.001	0	0
77	PLATECORNER3B	PX	.001	.001	0	0
78	PLATECORNER3A	PX	.001	.001	0	0
79	PLATECORNER2C	PX	.001	.001	0	0
80	PLATECORNER2B	PX	.001	.001	0	0
81	PLATECORNER2A	PX	.001	.001	0	0
82	PLATECORNER1C	PX	.001	.001	0	0
83	PLATECORNER1B	PX	.001	.001	0	0
84	PLATECORNER1A	PX	.001	.001	0	0
85	PLATE12	PX	.001	.001	0	0
86	PLATE11	PX	.001	.001	0	0
87	PLATE10	PX	.001	.001	0	0
88	PLATE9	PX	.001	.001	0	0
89	PLATE8	PX	.001	.001	0	0
90	PLATE7	PX	.001	.001	0	0
91	PLATE6	PX	.001	.001	0	0
92	PLATE5	PX	.001	.001	0	0
93	PLATE4	PX	.001	.001	0	0
94	PLATE3	PX	.001	.001	0	0
95	PLATE2	PX	.001	.001	0	0
96	PLATE1	PX	.001	.001	0	0
97	PIPE3	PX	.000155	.000155	0	0
98	PIPE2	PX	.000155	.000155	0	0
99	PIPE1	PX	.000155	.000155	0	0
100	MP GAMMA4	PX	.000528	.000528	0	0
101	MP GAMMA3	PX	.000528	.000528	0	0
102	MP GAMMA2	PX	.000528	.000528	0	0
103	MP GAMMA1	PX	.000528	.000528	0	0
104	MP BETA4	PX	.000528	.000528	0	0
105	MP BETA3	PX	.000528	.000528	0	0
106	MP BETA2	PX	.000528	.000528	0	0
107	MP BETA1	PX	.000528	.000528	0	0
108	MP ALPHA4	PX	.000528	.000528	0	0
109	MP ALPHA3	PX	.000528	.000528	0	0
110	MP ALPHA2	PX	.000528	.000528	0	0
111	MP ALPHA1	PX	.000528	.000528	0	0
112	FACEBOT1	PX	.000458	.000458	0	0
113	FACEBOT2	PX	.000458	.000458	0	0
114	FACEBOT3	PX	.000229	.000229	0	0
115	CR3B	PX	.000463	.000463	0	0
116	CR3A	PX	.000463	.000463	0	0
117	CR2B	PX	.000463	.000463	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
118	CR2A	PX	.000463	.000463	0	0
119	CR1B	PX	.000463	.000463	0	0
120	CR1A	PX	.000463	.000463	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PX	.000428	.000428	0	0
2	SUP3A	PX	.000428	.000428	0	0
3	SUP2B	PX	.000428	.000428	0	0
4	SUP2A	PX	.000428	.000428	0	0
5	SUP1B	PX	.000428	.000428	0	0
6	SUP1A	PX	.000428	.000428	0	0
7	SO3	PX	.000535	.000535	0	0
8	SO2	PX	.000535	.000535	0	0
9	SO1	PX	.000535	.000535	0	0
10	RC3	PX	.000535	.000535	0	0
11	RC2	PX	.000535	.000535	0	0
12	RC1	PX	.000535	.000535	0	0
13	RAIL1	PX	.000211	.000211	0	0
14	RAIL2	PX	.000211	.000211	0	0
15	RAIL3	PX	.000423	.000423	0	0
16	PLATECORNER3C	PX	.001	.001	0	0
17	PLATECORNER3B	PX	.001	.001	0	0
18	PLATECORNER3A	PX	.001	.001	0	0
19	PLATECORNER2C	PX	.001	.001	0	0
20	PLATECORNER2B	PX	.001	.001	0	0
21	PLATECORNER2A	PX	.001	.001	0	0
22	PLATECORNER1C	PX	.001	.001	0	0
23	PLATECORNER1B	PX	.001	.001	0	0
24	PLATECORNER1A	PX	.001	.001	0	0
25	PLATE12	PX	.001	.001	0	0
26	PLATE11	PX	.001	.001	0	0
27	PLATE10	PX	.001	.001	0	0
28	PLATE9	PX	.001	.001	0	0
29	PLATE8	PX	.001	.001	0	0
30	PLATE7	PX	.001	.001	0	0
31	PLATE6	PX	.001	.001	0	0
32	PLATE5	PX	.001	.001	0	0
33	PLATE4	PX	.001	.001	0	0
34	PLATE3	PX	.001	.001	0	0
35	PLATE2	PX	.001	.001	0	0
36	PLATE1	PX	.001	.001	0	0
37	PIPE3	PX	.000179	.000179	0	0
38	PIPE2	PX	.000179	.000179	0	0
39	PIPE1	PX	.000179	.000179	0	0
40	MP GAMMA4	PX	.00061	.00061	0	0
41	MP GAMMA3	PX	.00061	.00061	0	0
42	MP GAMMA2	PX	.00061	.00061	0	0
43	MP GAMMA1	PX	.00061	.00061	0	0
44	MP BETA4	PX	.00061	.00061	0	0
45	MP BETA3	PX	.00061	.00061	0	0
46	MP BETA2	PX	.00061	.00061	0	0
47	MP BETA1	PX	.00061	.00061	0	0
48	MP ALPHA4	PX	.00061	.00061	0	0
49	MP ALPHA3	PX	.00061	.00061	0	0
50	MP ALPHA2	PX	.00061	.00061	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
51	MP ALPHA1	PX	.00061	.00061	0	0
52	FACEBOT1	PX	.000529	.000529	0	0
53	FACEBOT2	PX	.000529	.000529	0	0
54	FACEBOT3	PX	.000264	.000264	0	0
55	CR3B	PX	.000535	.000535	0	0
56	CR3A	PX	.000535	.000535	0	0
57	CR2B	PX	.000535	.000535	0	0
58	CR2A	PX	.000535	.000535	0	0
59	CR1B	PX	.000535	.000535	0	0
60	CR1A	PX	.000535	.000535	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.000214	-.000214	0	0
2	SUP3A	PY	-.000214	-.000214	0	0
3	SUP2B	PY	-.000214	-.000214	0	0
4	SUP2A	PY	-.000214	-.000214	0	0
5	SUP1B	PY	-.000214	-.000214	0	0
6	SUP1A	PY	-.000214	-.000214	0	0
7	SO3	PY	-.000267	-.000267	0	0
8	SO2	PY	-.000267	-.000267	0	0
9	SO1	PY	-.000267	-.000267	0	0
10	RC3	PY	-.000267	-.000267	0	0
11	RC2	PY	-.000267	-.000267	0	0
12	RC1	PY	-.000267	-.000267	0	0
13	RAIL1	PY	-.000106	-.000106	0	0
14	RAIL2	PY	-.000106	-.000106	0	0
15	RAIL3	PY	-.000211	-.000211	0	0
16	PLATECORNER3C	PY	-.000642	-.000642	0	0
17	PLATECORNER3B	PY	-.000642	-.000642	0	0
18	PLATECORNER3A	PY	-.000642	-.000642	0	0
19	PLATECORNER2C	PY	-.000642	-.000642	0	0
20	PLATECORNER2B	PY	-.000642	-.000642	0	0
21	PLATECORNER2A	PY	-.000642	-.000642	0	0
22	PLATECORNER1C	PY	-.000642	-.000642	0	0
23	PLATECORNER1B	PY	-.000642	-.000642	0	0
24	PLATECORNER1A	PY	-.000642	-.000642	0	0
25	PLATE12	PY	-.000642	-.000642	0	0
26	PLATE11	PY	-.000642	-.000642	0	0
27	PLATE10	PY	-.000642	-.000642	0	0
28	PLATE9	PY	-.000642	-.000642	0	0
29	PLATE8	PY	-.000642	-.000642	0	0
30	PLATE7	PY	-.000642	-.000642	0	0
31	PLATE6	PY	-.000642	-.000642	0	0
32	PLATE5	PY	-.000642	-.000642	0	0
33	PLATE4	PY	-.000642	-.000642	0	0
34	PLATE3	PY	-.000642	-.000642	0	0
35	PLATE2	PY	-.000642	-.000642	0	0
36	PLATE1	PY	-.000642	-.000642	0	0
37	PIPE3	PY	-9e-5	-9e-5	0	0
38	PIPE2	PY	-9e-5	-9e-5	0	0
39	PIPE1	PY	-9e-5	-9e-5	0	0
40	MP GAMMA4	PY	-.000305	-.000305	0	0
41	MP GAMMA3	PY	-.000305	-.000305	0	0
42	MP GAMMA2	PY	-.000305	-.000305	0	0
43	MP GAMMA1	PY	-.000305	-.000305	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
44	MP BETA4	PY	-.000305	-.000305	0	0
45	MP BETA3	PY	-.000305	-.000305	0	0
46	MP BETA2	PY	-.000305	-.000305	0	0
47	MP BETA1	PY	-.000305	-.000305	0	0
48	MP ALPHA4	PY	-.000305	-.000305	0	0
49	MP ALPHA3	PY	-.000305	-.000305	0	0
50	MP ALPHA2	PY	-.000305	-.000305	0	0
51	MP ALPHA1	PY	-.000305	-.000305	0	0
52	FACEBOT1	PY	-.000264	-.000264	0	0
53	FACEBOT2	PY	-.000264	-.000264	0	0
54	FACEBOT3	PY	-.000132	-.000132	0	0
55	CR3B	PY	-.000267	-.000267	0	0
56	CR3A	PY	-.000267	-.000267	0	0
57	CR2B	PY	-.000267	-.000267	0	0
58	CR2A	PY	-.000267	-.000267	0	0
59	CR1B	PY	-.000267	-.000267	0	0
60	CR1A	PY	-.000267	-.000267	0	0
61	SUP3B	PX	.000371	.000371	0	0
62	SUP3A	PX	.000371	.000371	0	0
63	SUP2B	PX	.000371	.000371	0	0
64	SUP2A	PX	.000371	.000371	0	0
65	SUP1B	PX	.000371	.000371	0	0
66	SUP1A	PX	.000371	.000371	0	0
67	SO3	PX	.000463	.000463	0	0
68	SO2	PX	.000463	.000463	0	0
69	SO1	PX	.000463	.000463	0	0
70	RC3	PX	.000463	.000463	0	0
71	RC2	PX	.000463	.000463	0	0
72	RC1	PX	.000463	.000463	0	0
73	RAIL1	PX	.000183	.000183	0	0
74	RAIL2	PX	.000183	.000183	0	0
75	RAIL3	PX	.000366	.000366	0	0
76	PLATECORNER3C	PX	.001	.001	0	0
77	PLATECORNER3B	PX	.001	.001	0	0
78	PLATECORNER3A	PX	.001	.001	0	0
79	PLATECORNER2C	PX	.001	.001	0	0
80	PLATECORNER2B	PX	.001	.001	0	0
81	PLATECORNER2A	PX	.001	.001	0	0
82	PLATECORNER1C	PX	.001	.001	0	0
83	PLATECORNER1B	PX	.001	.001	0	0
84	PLATECORNER1A	PX	.001	.001	0	0
85	PLATE12	PX	.001	.001	0	0
86	PLATE11	PX	.001	.001	0	0
87	PLATE10	PX	.001	.001	0	0
88	PLATE9	PX	.001	.001	0	0
89	PLATE8	PX	.001	.001	0	0
90	PLATE7	PX	.001	.001	0	0
91	PLATE6	PX	.001	.001	0	0
92	PLATE5	PX	.001	.001	0	0
93	PLATE4	PX	.001	.001	0	0
94	PLATE3	PX	.001	.001	0	0
95	PLATE2	PX	.001	.001	0	0
96	PLATE1	PX	.001	.001	0	0
97	PIPE3	PX	.000155	.000155	0	0
98	PIPE2	PX	.000155	.000155	0	0
99	PIPE1	PX	.000155	.000155	0	0
100	MP GAMMA4	PX	.000528	.000528	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
101	MP GAMMA3	PX	.000528	.000528	0	0
102	MP GAMMA2	PX	.000528	.000528	0	0
103	MP GAMMA1	PX	.000528	.000528	0	0
104	MP BETA4	PX	.000528	.000528	0	0
105	MP BETA3	PX	.000528	.000528	0	0
106	MP BETA2	PX	.000528	.000528	0	0
107	MP BETA1	PX	.000528	.000528	0	0
108	MP ALPHA4	PX	.000528	.000528	0	0
109	MP ALPHA3	PX	.000528	.000528	0	0
110	MP ALPHA2	PX	.000528	.000528	0	0
111	MP ALPHA1	PX	.000528	.000528	0	0
112	FACEBOT1	PX	.000458	.000458	0	0
113	FACEBOT2	PX	.000458	.000458	0	0
114	FACEBOT3	PX	.000229	.000229	0	0
115	CR3B	PX	.000463	.000463	0	0
116	CR3A	PX	.000463	.000463	0	0
117	CR2B	PX	.000463	.000463	0	0
118	CR2A	PX	.000463	.000463	0	0
119	CR1B	PX	.000463	.000463	0	0
120	CR1A	PX	.000463	.000463	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.000371	-.000371	0	0
2	SUP3A	PY	-.000371	-.000371	0	0
3	SUP2B	PY	-.000371	-.000371	0	0
4	SUP2A	PY	-.000371	-.000371	0	0
5	SUP1B	PY	-.000371	-.000371	0	0
6	SUP1A	PY	-.000371	-.000371	0	0
7	SO3	PY	-.000463	-.000463	0	0
8	SO2	PY	-.000463	-.000463	0	0
9	SO1	PY	-.000463	-.000463	0	0
10	RC3	PY	-.000463	-.000463	0	0
11	RC2	PY	-.000463	-.000463	0	0
12	RC1	PY	-.000463	-.000463	0	0
13	RAIL3	PY	-.000183	-.000183	0	0
14	RAIL2	PY	-.000183	-.000183	0	0
15	RAIL1	PY	-.000366	-.000366	0	0
16	PLATECORNER3C	PY	-.001	-.001	0	0
17	PLATECORNER3B	PY	-.001	-.001	0	0
18	PLATECORNER3A	PY	-.001	-.001	0	0
19	PLATECORNER2C	PY	-.001	-.001	0	0
20	PLATECORNER2B	PY	-.001	-.001	0	0
21	PLATECORNER2A	PY	-.001	-.001	0	0
22	PLATECORNER1C	PY	-.001	-.001	0	0
23	PLATECORNER1B	PY	-.001	-.001	0	0
24	PLATECORNER1A	PY	-.001	-.001	0	0
25	PLATE12	PY	-.001	-.001	0	0
26	PLATE11	PY	-.001	-.001	0	0
27	PLATE10	PY	-.001	-.001	0	0
28	PLATE9	PY	-.001	-.001	0	0
29	PLATE8	PY	-.001	-.001	0	0
30	PLATE7	PY	-.001	-.001	0	0
31	PLATE6	PY	-.001	-.001	0	0
32	PLATE5	PY	-.001	-.001	0	0
33	PLATE4	PY	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	PLATE3	PY	-.001	-.001	0	0
35	PLATE2	PY	-.001	-.001	0	0
36	PLATE1	PY	-.001	-.001	0	0
37	PIPE3	PY	-.000155	-.000155	0	0
38	PIPE2	PY	-.000155	-.000155	0	0
39	PIPE1	PY	-.000155	-.000155	0	0
40	MP GAMMA4	PY	-.000528	-.000528	0	0
41	MP GAMMA3	PY	-.000528	-.000528	0	0
42	MP GAMMA2	PY	-.000528	-.000528	0	0
43	MP GAMMA1	PY	-.000528	-.000528	0	0
44	MP BETA4	PY	-.000528	-.000528	0	0
45	MP BETA3	PY	-.000528	-.000528	0	0
46	MP BETA2	PY	-.000528	-.000528	0	0
47	MP BETA1	PY	-.000528	-.000528	0	0
48	MP ALPHA4	PY	-.000528	-.000528	0	0
49	MP ALPHA3	PY	-.000528	-.000528	0	0
50	MP ALPHA2	PY	-.000528	-.000528	0	0
51	MP ALPHA1	PY	-.000528	-.000528	0	0
52	FACEBOT3	PY	-.000458	-.000458	0	0
53	FACEBOT2	PY	-.000458	-.000458	0	0
54	FACEBOT1	PY	-.000229	-.000229	0	0
55	CR3B	PY	-.000463	-.000463	0	0
56	CR3A	PY	-.000463	-.000463	0	0
57	CR2B	PY	-.000463	-.000463	0	0
58	CR2A	PY	-.000463	-.000463	0	0
59	CR1B	PY	-.000463	-.000463	0	0
60	CR1A	PY	-.000463	-.000463	0	0
61	SUP3B	PX	.000214	.000214	0	0
62	SUP3A	PX	.000214	.000214	0	0
63	SUP2B	PX	.000214	.000214	0	0
64	SUP2A	PX	.000214	.000214	0	0
65	SUP1B	PX	.000214	.000214	0	0
66	SUP1A	PX	.000214	.000214	0	0
67	SO3	PX	.000267	.000267	0	0
68	SO2	PX	.000267	.000267	0	0
69	SO1	PX	.000267	.000267	0	0
70	RC3	PX	.000267	.000267	0	0
71	RC2	PX	.000267	.000267	0	0
72	RC1	PX	.000267	.000267	0	0
73	RAIL3	PX	.000106	.000106	0	0
74	RAIL2	PX	.000106	.000106	0	0
75	RAIL1	PX	.000211	.000211	0	0
76	PLATECORNER3C	PX	.000642	.000642	0	0
77	PLATECORNER3B	PX	.000642	.000642	0	0
78	PLATECORNER3A	PX	.000642	.000642	0	0
79	PLATECORNER2C	PX	.000642	.000642	0	0
80	PLATECORNER2B	PX	.000642	.000642	0	0
81	PLATECORNER2A	PX	.000642	.000642	0	0
82	PLATECORNER1C	PX	.000642	.000642	0	0
83	PLATECORNER1B	PX	.000642	.000642	0	0
84	PLATECORNER1A	PX	.000642	.000642	0	0
85	PLATE12	PX	.000642	.000642	0	0
86	PLATE11	PX	.000642	.000642	0	0
87	PLATE10	PX	.000642	.000642	0	0
88	PLATE9	PX	.000642	.000642	0	0
89	PLATE8	PX	.000642	.000642	0	0
90	PLATE7	PX	.000642	.000642	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	PLATE6	PX	.000642	.000642	0	0
92	PLATE5	PX	.000642	.000642	0	0
93	PLATE4	PX	.000642	.000642	0	0
94	PLATE3	PX	.000642	.000642	0	0
95	PLATE2	PX	.000642	.000642	0	0
96	PLATE1	PX	.000642	.000642	0	0
97	PIPE3	PX	9e-5	9e-5	0	0
98	PIPE2	PX	9e-5	9e-5	0	0
99	PIPE1	PX	9e-5	9e-5	0	0
100	MP GAMMA4	PX	.000305	.000305	0	0
101	MP GAMMA3	PX	.000305	.000305	0	0
102	MP GAMMA2	PX	.000305	.000305	0	0
103	MP GAMMA1	PX	.000305	.000305	0	0
104	MP BETA4	PX	.000305	.000305	0	0
105	MP BETA3	PX	.000305	.000305	0	0
106	MP BETA2	PX	.000305	.000305	0	0
107	MP BETA1	PX	.000305	.000305	0	0
108	MP ALPHA4	PX	.000305	.000305	0	0
109	MP ALPHA3	PX	.000305	.000305	0	0
110	MP ALPHA2	PX	.000305	.000305	0	0
111	MP ALPHA1	PX	.000305	.000305	0	0
112	FACEBOT3	PX	.000264	.000264	0	0
113	FACEBOT2	PX	.000264	.000264	0	0
114	FACEBOT1	PX	.000132	.000132	0	0
115	CR3B	PX	.000267	.000267	0	0
116	CR3A	PX	.000267	.000267	0	0
117	CR2B	PX	.000267	.000267	0	0
118	CR2A	PX	.000267	.000267	0	0
119	CR1B	PX	.000267	.000267	0	0
120	CR1A	PX	.000267	.000267	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	Z	-.006	-.006	0	0
2	SUP3A	Z	-.006	-.006	0	0
3	SUP2B	Z	-.006	-.006	0	0
4	SUP2A	Z	-.006	-.006	0	0
5	SUP1B	Z	-.006	-.006	0	0
6	SUP1A	Z	-.006	-.006	0	0
7	SO3	Z	-.009	-.009	0	0
8	SO2	Z	-.009	-.009	0	0
9	SO1	Z	-.009	-.009	0	0
10	RC3	Z	-.006	-.006	0	0
11	RC2	Z	-.006	-.006	0	0
12	RC1	Z	-.006	-.006	0	0
13	RAIL3	Z	-.005	-.005	0	0
14	RAIL2	Z	-.005	-.005	0	0
15	RAIL1	Z	-.005	-.005	0	0
16	PLATECORNER3C	Z	-.009	-.009	0	0
17	PLATECORNER3B	Z	-.009	-.009	0	0
18	PLATECORNER3A	Z	-.009	-.009	0	0
19	PLATECORNER2C	Z	-.009	-.009	0	0
20	PLATECORNER2B	Z	-.009	-.009	0	0
21	PLATECORNER2A	Z	-.009	-.009	0	0
22	PLATECORNER1C	Z	-.009	-.009	0	0
23	PLATECORNER1B	Z	-.009	-.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
24	PLATECORNER1A	Z	-0.009	-0.009	0	0
25	PLATE12	Z	-0.008	-0.008	0	0
26	PLATE11	Z	-0.008	-0.008	0	0
27	PLATE10	Z	-0.008	-0.008	0	0
28	PLATE9	Z	-0.008	-0.008	0	0
29	PLATE8	Z	-0.008	-0.008	0	0
30	PLATE7	Z	-0.008	-0.008	0	0
31	PLATE6	Z	-0.008	-0.008	0	0
32	PLATE5	Z	-0.008	-0.008	0	0
33	PLATE4	Z	-0.008	-0.008	0	0
34	PLATE3	Z	-0.008	-0.008	0	0
35	PLATE2	Z	-0.008	-0.008	0	0
36	PLATE1	Z	-0.008	-0.008	0	0
37	PIPE3	Z	-0.005	-0.005	0	0
38	PIPE2	Z	-0.005	-0.005	0	0
39	PIPE1	Z	-0.005	-0.005	0	0
40	MP GAMMA4	Z	-0.005	-0.005	0	0
41	MP GAMMA3	Z	-0.005	-0.005	0	0
42	MP GAMMA2	Z	-0.005	-0.005	0	0
43	MP GAMMA1	Z	-0.005	-0.005	0	0
44	MP BETA4	Z	-0.005	-0.005	0	0
45	MP BETA3	Z	-0.005	-0.005	0	0
46	MP BETA2	Z	-0.005	-0.005	0	0
47	MP BETA1	Z	-0.005	-0.005	0	0
48	MP ALPHA4	Z	-0.005	-0.005	0	0
49	MP ALPHA3	Z	-0.005	-0.005	0	0
50	MP ALPHA2	Z	-0.005	-0.005	0	0
51	MP ALPHA1	Z	-0.005	-0.005	0	0
52	FACEBOT3	Z	-0.006	-0.006	0	0
53	FACEBOT2	Z	-0.006	-0.006	0	0
54	FACEBOT1	Z	-0.006	-0.006	0	0
55	CR3B	Z	-0.009	-0.009	0	0
56	CR3A	Z	-0.009	-0.009	0	0
57	CR2B	Z	-0.009	-0.009	0	0
58	CR2A	Z	-0.009	-0.009	0	0
59	CR1B	Z	-0.009	-0.009	0	0
60	CR1A	Z	-0.009	-0.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-0.002	-0.002	0	0
2	SUP3A	PY	-0.002	-0.002	0	0
3	SUP2B	PY	-0.002	-0.002	0	0
4	SUP2A	PY	-0.002	-0.002	0	0
5	SUP1B	PY	-0.002	-0.002	0	0
6	SUP1A	PY	-0.002	-0.002	0	0
7	SO3	PY	-0.002	-0.002	0	0
8	SO2	PY	-0.002	-0.002	0	0
9	SO1	PY	-0.002	-0.002	0	0
10	RC3	PY	-0.002	-0.002	0	0
11	RC2	PY	-0.002	-0.002	0	0
12	RC1	PY	-0.002	-0.002	0	0
13	RAIL3	PY	-0.001	-0.001	0	0
14	RAIL2	PY	-0.001	-0.001	0	0
15	RAIL1	PY	-0.002	-0.002	0	0
16	PLATECORNER3C	PY	-0.003	-0.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
17	PLATECORNER3B	PY	-0.003	-0.003	0	0
18	PLATECORNER3A	PY	-0.003	-0.003	0	0
19	PLATECORNER2C	PY	-0.003	-0.003	0	0
20	PLATECORNER2B	PY	-0.003	-0.003	0	0
21	PLATECORNER2A	PY	-0.003	-0.003	0	0
22	PLATECORNER1C	PY	-0.003	-0.003	0	0
23	PLATECORNER1B	PY	-0.003	-0.003	0	0
24	PLATECORNER1A	PY	-0.003	-0.003	0	0
25	PLATE12	PY	-0.003	-0.003	0	0
26	PLATE11	PY	-0.003	-0.003	0	0
27	PLATE10	PY	-0.003	-0.003	0	0
28	PLATE9	PY	-0.003	-0.003	0	0
29	PLATE8	PY	-0.003	-0.003	0	0
30	PLATE7	PY	-0.003	-0.003	0	0
31	PLATE6	PY	-0.003	-0.003	0	0
32	PLATE5	PY	-0.003	-0.003	0	0
33	PLATE4	PY	-0.003	-0.003	0	0
34	PLATE3	PY	-0.003	-0.003	0	0
35	PLATE2	PY	-0.003	-0.003	0	0
36	PLATE1	PY	-0.003	-0.003	0	0
37	PIPE3	PY	-0.001	-0.001	0	0
38	PIPE2	PY	-0.001	-0.001	0	0
39	PIPE1	PY	-0.001	-0.001	0	0
40	MP GAMMA4	PY	-0.003	-0.003	0	0
41	MP GAMMA3	PY	-0.003	-0.003	0	0
42	MP GAMMA2	PY	-0.003	-0.003	0	0
43	MP GAMMA1	PY	-0.003	-0.003	0	0
44	MP BETA4	PY	-0.003	-0.003	0	0
45	MP BETA3	PY	-0.003	-0.003	0	0
46	MP BETA2	PY	-0.003	-0.003	0	0
47	MP BETA1	PY	-0.003	-0.003	0	0
48	MP ALPHA4	PY	-0.003	-0.003	0	0
49	MP ALPHA3	PY	-0.003	-0.003	0	0
50	MP ALPHA2	PY	-0.003	-0.003	0	0
51	MP ALPHA1	PY	-0.003	-0.003	0	0
52	FACEBOT3	PY	-0.003	-0.003	0	0
53	FACEBOT2	PY	-0.003	-0.003	0	0
54	FACEBOT1	PY	-0.001	-0.001	0	0
55	CR3B	PY	-0.002	-0.002	0	0
56	CR3A	PY	-0.002	-0.002	0	0
57	CR2B	PY	-0.002	-0.002	0	0
58	CR2A	PY	-0.002	-0.002	0	0
59	CR1B	PY	-0.002	-0.002	0	0
60	CR1A	PY	-0.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-0.001	-0.001	0	0
2	SUP3A	PY	-0.001	-0.001	0	0
3	SUP2B	PY	-0.001	-0.001	0	0
4	SUP2A	PY	-0.001	-0.001	0	0
5	SUP1B	PY	-0.001	-0.001	0	0
6	SUP1A	PY	-0.001	-0.001	0	0
7	SO3	PY	-0.001	-0.001	0	0
8	SO2	PY	-0.001	-0.001	0	0
9	SO1	PY	-0.001	-0.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
10	RC3	PY	-0.002	-0.002	0	0
11	RC2	PY	-0.002	-0.002	0	0
12	RC1	PY	-0.002	-0.002	0	0
13	RAIL3	PY	-0.001	-0.001	0	0
14	RAIL2	PY	-0.001	-0.001	0	0
15	RAIL1	PY	-0.002	-0.002	0	0
16	PLATECORNER3C	PY	-0.003	-0.003	0	0
17	PLATECORNER3B	PY	-0.003	-0.003	0	0
18	PLATECORNER3A	PY	-0.003	-0.003	0	0
19	PLATECORNER2C	PY	-0.003	-0.003	0	0
20	PLATECORNER2B	PY	-0.003	-0.003	0	0
21	PLATECORNER2A	PY	-0.003	-0.003	0	0
22	PLATECORNER1C	PY	-0.003	-0.003	0	0
23	PLATECORNER1B	PY	-0.003	-0.003	0	0
24	PLATECORNER1A	PY	-0.003	-0.003	0	0
25	PLATE12	PY	-0.003	-0.003	0	0
26	PLATE11	PY	-0.003	-0.003	0	0
27	PLATE10	PY	-0.003	-0.003	0	0
28	PLATE9	PY	-0.003	-0.003	0	0
29	PLATE8	PY	-0.003	-0.003	0	0
30	PLATE7	PY	-0.003	-0.003	0	0
31	PLATE6	PY	-0.003	-0.003	0	0
32	PLATE5	PY	-0.003	-0.003	0	0
33	PLATE4	PY	-0.003	-0.003	0	0
34	PLATE3	PY	-0.003	-0.003	0	0
35	PLATE2	PY	-0.003	-0.003	0	0
36	PLATE1	PY	-0.003	-0.003	0	0
37	PIPE3	PY	-0.000929	-0.000929	0	0
38	PIPE2	PY	-0.000929	-0.000929	0	0
39	PIPE1	PY	-0.000929	-0.000929	0	0
40	MP GAMMA4	PY	-0.003	-0.003	0	0
41	MP GAMMA3	PY	-0.003	-0.003	0	0
42	MP GAMMA2	PY	-0.003	-0.003	0	0
43	MP GAMMA1	PY	-0.003	-0.003	0	0
44	MP BETA4	PY	-0.003	-0.003	0	0
45	MP BETA3	PY	-0.003	-0.003	0	0
46	MP BETA2	PY	-0.003	-0.003	0	0
47	MP BETA1	PY	-0.003	-0.003	0	0
48	MP ALPHA4	PY	-0.003	-0.003	0	0
49	MP ALPHA3	PY	-0.003	-0.003	0	0
50	MP ALPHA2	PY	-0.003	-0.003	0	0
51	MP ALPHA1	PY	-0.003	-0.003	0	0
52	FACEBOT3	PY	-0.002	-0.002	0	0
53	FACEBOT2	PY	-0.002	-0.002	0	0
54	FACEBOT1	PY	-0.001	-0.001	0	0
55	CR3B	PY	-0.001	-0.001	0	0
56	CR3A	PY	-0.001	-0.001	0	0
57	CR2B	PY	-0.001	-0.001	0	0
58	CR2A	PY	-0.001	-0.001	0	0
59	CR1B	PY	-0.001	-0.001	0	0
60	CR1A	PY	-0.001	-0.001	0	0
61	SUP3B	PX	-0.000822	-0.000822	0	0
62	SUP3A	PX	-0.000822	-0.000822	0	0
63	SUP2B	PX	-0.000822	-0.000822	0	0
64	SUP2A	PX	-0.000822	-0.000822	0	0
65	SUP1B	PX	-0.000822	-0.000822	0	0
66	SUP1A	PX	-0.000822	-0.000822	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	SO3	PX	-.000754	-.000754	0	0
68	SO2	PX	-.000754	-.000754	0	0
69	SO1	PX	-.000754	-.000754	0	0
70	RC3	PX	-.000918	-.000918	0	0
71	RC2	PX	-.000918	-.000918	0	0
72	RC1	PX	-.000918	-.000918	0	0
73	RAIL3	PX	-.000586	-.000586	0	0
74	RAIL2	PX	-.000586	-.000586	0	0
75	RAIL1	PX	-.001	-.001	0	0
76	PLATECORNER3C	PX	-.002	-.002	0	0
77	PLATECORNER3B	PX	-.002	-.002	0	0
78	PLATECORNER3A	PX	-.002	-.002	0	0
79	PLATECORNER2C	PX	-.002	-.002	0	0
80	PLATECORNER2B	PX	-.002	-.002	0	0
81	PLATECORNER2A	PX	-.002	-.002	0	0
82	PLATECORNER1C	PX	-.002	-.002	0	0
83	PLATECORNER1B	PX	-.002	-.002	0	0
84	PLATECORNER1A	PX	-.002	-.002	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	PIPE3	PX	-.000536	-.000536	0	0
98	PIPE2	PX	-.000536	-.000536	0	0
99	PIPE1	PX	-.000536	-.000536	0	0
100	MP GAMMA4	PX	-.002	-.002	0	0
101	MP GAMMA3	PX	-.002	-.002	0	0
102	MP GAMMA2	PX	-.002	-.002	0	0
103	MP GAMMA1	PX	-.002	-.002	0	0
104	MP BETA4	PX	-.002	-.002	0	0
105	MP BETA3	PX	-.002	-.002	0	0
106	MP BETA2	PX	-.002	-.002	0	0
107	MP BETA1	PX	-.002	-.002	0	0
108	MP ALPHA4	PX	-.002	-.002	0	0
109	MP ALPHA3	PX	-.002	-.002	0	0
110	MP ALPHA2	PX	-.002	-.002	0	0
111	MP ALPHA1	PX	-.002	-.002	0	0
112	FACEBOT3	PX	-.001	-.001	0	0
113	FACEBOT2	PX	-.001	-.001	0	0
114	FACEBOT1	PX	-.000666	-.000666	0	0
115	CR3B	PX	-.000754	-.000754	0	0
116	CR3A	PX	-.000754	-.000754	0	0
117	CR2B	PX	-.000754	-.000754	0	0
118	CR2A	PX	-.000754	-.000754	0	0
119	CR1B	PX	-.000754	-.000754	0	0
120	CR1A	PX	-.000754	-.000754	0	0

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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-0.00822	-0.00822	0	0
2	SUP3A	PY	-0.00822	-0.00822	0	0
3	SUP2B	PY	-0.00822	-0.00822	0	0
4	SUP2A	PY	-0.00822	-0.00822	0	0
5	SUP1B	PY	-0.00822	-0.00822	0	0
6	SUP1A	PY	-0.00822	-0.00822	0	0
7	SO3	PY	-0.00754	-0.00754	0	0
8	SO2	PY	-0.00754	-0.00754	0	0
9	SO1	PY	-0.00754	-0.00754	0	0
10	RC3	PY	-0.00918	-0.00918	0	0
11	RC2	PY	-0.00918	-0.00918	0	0
12	RC1	PY	-0.00918	-0.00918	0	0
13	RAIL3	PY	-0.00586	-0.00586	0	0
14	RAIL2	PY	-0.00586	-0.00586	0	0
15	RAIL1	PY	-0.001	-0.001	0	0
16	PLATECORNER3C	PY	-0.002	-0.002	0	0
17	PLATECORNER3B	PY	-0.002	-0.002	0	0
18	PLATECORNER3A	PY	-0.002	-0.002	0	0
19	PLATECORNER2C	PY	-0.002	-0.002	0	0
20	PLATECORNER2B	PY	-0.002	-0.002	0	0
21	PLATECORNER2A	PY	-0.002	-0.002	0	0
22	PLATECORNER1C	PY	-0.002	-0.002	0	0
23	PLATECORNER1B	PY	-0.002	-0.002	0	0
24	PLATECORNER1A	PY	-0.002	-0.002	0	0
25	PLATE12	PY	-0.002	-0.002	0	0
26	PLATE11	PY	-0.002	-0.002	0	0
27	PLATE10	PY	-0.002	-0.002	0	0
28	PLATE9	PY	-0.002	-0.002	0	0
29	PLATE8	PY	-0.002	-0.002	0	0
30	PLATE7	PY	-0.002	-0.002	0	0
31	PLATE6	PY	-0.002	-0.002	0	0
32	PLATE5	PY	-0.002	-0.002	0	0
33	PLATE4	PY	-0.002	-0.002	0	0
34	PLATE3	PY	-0.002	-0.002	0	0
35	PLATE2	PY	-0.002	-0.002	0	0
36	PLATE1	PY	-0.002	-0.002	0	0
37	PIPE3	PY	-0.00536	-0.00536	0	0
38	PIPE2	PY	-0.00536	-0.00536	0	0
39	PIPE1	PY	-0.00536	-0.00536	0	0
40	MP GAMMA4	PY	-0.002	-0.002	0	0
41	MP GAMMA3	PY	-0.002	-0.002	0	0
42	MP GAMMA2	PY	-0.002	-0.002	0	0
43	MP GAMMA1	PY	-0.002	-0.002	0	0
44	MP BETA4	PY	-0.002	-0.002	0	0
45	MP BETA3	PY	-0.002	-0.002	0	0
46	MP BETA2	PY	-0.002	-0.002	0	0
47	MP BETA1	PY	-0.002	-0.002	0	0
48	MP ALPHA4	PY	-0.002	-0.002	0	0
49	MP ALPHA3	PY	-0.002	-0.002	0	0
50	MP ALPHA2	PY	-0.002	-0.002	0	0
51	MP ALPHA1	PY	-0.002	-0.002	0	0
52	FACEBOT3	PY	-0.001	-0.001	0	0
53	FACEBOT2	PY	-0.001	-0.001	0	0
54	FACEBOT1	PY	-0.000666	-0.000666	0	0
55	CR3B	PY	-0.000754	-0.000754	0	0
56	CR3A	PY	-0.000754	-0.000754	0	0
57	CR2B	PY	-0.000754	-0.000754	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	CR2A	PY	-.000754	-.000754	0	0
59	CR1B	PY	-.000754	-.000754	0	0
60	CR1A	PY	-.000754	-.000754	0	0
61	SUP3B	PX	-.001	-.001	0	0
62	SUP3A	PX	-.001	-.001	0	0
63	SUP2B	PX	-.001	-.001	0	0
64	SUP2A	PX	-.001	-.001	0	0
65	SUP1B	PX	-.001	-.001	0	0
66	SUP1A	PX	-.001	-.001	0	0
67	SO3	PX	-.001	-.001	0	0
68	SO2	PX	-.001	-.001	0	0
69	SO1	PX	-.001	-.001	0	0
70	RC3	PX	-.002	-.002	0	0
71	RC2	PX	-.002	-.002	0	0
72	RC1	PX	-.002	-.002	0	0
73	RAIL3	PX	-.001	-.001	0	0
74	RAIL2	PX	-.001	-.001	0	0
75	RAIL1	PX	-.002	-.002	0	0
76	PLATECORNER3C	PX	-.003	-.003	0	0
77	PLATECORNER3B	PX	-.003	-.003	0	0
78	PLATECORNER3A	PX	-.003	-.003	0	0
79	PLATECORNER2C	PX	-.003	-.003	0	0
80	PLATECORNER2B	PX	-.003	-.003	0	0
81	PLATECORNER2A	PX	-.003	-.003	0	0
82	PLATECORNER1C	PX	-.003	-.003	0	0
83	PLATECORNER1B	PX	-.003	-.003	0	0
84	PLATECORNER1A	PX	-.003	-.003	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	PIPE3	PX	-.000929	-.000929	0	0
98	PIPE2	PX	-.000929	-.000929	0	0
99	PIPE1	PX	-.000929	-.000929	0	0
100	MP GAMMA4	PX	-.003	-.003	0	0
101	MP GAMMA3	PX	-.003	-.003	0	0
102	MP GAMMA2	PX	-.003	-.003	0	0
103	MP GAMMA1	PX	-.003	-.003	0	0
104	MP BETA4	PX	-.003	-.003	0	0
105	MP BETA3	PX	-.003	-.003	0	0
106	MP BETA2	PX	-.003	-.003	0	0
107	MP BETA1	PX	-.003	-.003	0	0
108	MP ALPHA4	PX	-.003	-.003	0	0
109	MP ALPHA3	PX	-.003	-.003	0	0
110	MP ALPHA2	PX	-.003	-.003	0	0
111	MP ALPHA1	PX	-.003	-.003	0	0
112	FACEBOT3	PX	-.002	-.002	0	0
113	FACEBOT2	PX	-.002	-.002	0	0
114	FACEBOT1	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	CR3B	PX	-0.001	-0.001	0	0
116	CR3A	PX	-0.001	-0.001	0	0
117	CR2B	PX	-0.001	-0.001	0	0
118	CR2A	PX	-0.001	-0.001	0	0
119	CR1B	PX	-0.001	-0.001	0	0
120	CR1A	PX	-0.001	-0.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PX	-0.002	-0.002	0	0
2	SUP3A	PX	-0.002	-0.002	0	0
3	SUP2B	PX	-0.002	-0.002	0	0
4	SUP2A	PX	-0.002	-0.002	0	0
5	SUP1B	PX	-0.002	-0.002	0	0
6	SUP1A	PX	-0.002	-0.002	0	0
7	SO3	PX	-0.002	-0.002	0	0
8	SO2	PX	-0.002	-0.002	0	0
9	SO1	PX	-0.002	-0.002	0	0
10	RC3	PX	-0.002	-0.002	0	0
11	RC2	PX	-0.002	-0.002	0	0
12	RC1	PX	-0.002	-0.002	0	0
13	RAIL3	PX	-0.001	-0.001	0	0
14	RAIL1	PX	-0.001	-0.001	0	0
15	RAIL2	PX	-0.002	-0.002	0	0
16	PLATECORNER3C	PX	-0.003	-0.003	0	0
17	PLATECORNER3B	PX	-0.003	-0.003	0	0
18	PLATECORNER3A	PX	-0.003	-0.003	0	0
19	PLATECORNER2C	PX	-0.003	-0.003	0	0
20	PLATECORNER2B	PX	-0.003	-0.003	0	0
21	PLATECORNER2A	PX	-0.003	-0.003	0	0
22	PLATECORNER1C	PX	-0.003	-0.003	0	0
23	PLATECORNER1B	PX	-0.003	-0.003	0	0
24	PLATECORNER1A	PX	-0.003	-0.003	0	0
25	PLATE12	PX	-0.003	-0.003	0	0
26	PLATE11	PX	-0.003	-0.003	0	0
27	PLATE10	PX	-0.003	-0.003	0	0
28	PLATE9	PX	-0.003	-0.003	0	0
29	PLATE8	PX	-0.003	-0.003	0	0
30	PLATE7	PX	-0.003	-0.003	0	0
31	PLATE6	PX	-0.003	-0.003	0	0
32	PLATE5	PX	-0.003	-0.003	0	0
33	PLATE4	PX	-0.003	-0.003	0	0
34	PLATE3	PX	-0.003	-0.003	0	0
35	PLATE2	PX	-0.003	-0.003	0	0
36	PLATE1	PX	-0.003	-0.003	0	0
37	PIPE3	PX	-0.001	-0.001	0	0
38	PIPE2	PX	-0.001	-0.001	0	0
39	PIPE1	PX	-0.001	-0.001	0	0
40	MP GAMMA4	PX	-0.003	-0.003	0	0
41	MP GAMMA3	PX	-0.003	-0.003	0	0
42	MP GAMMA2	PX	-0.003	-0.003	0	0
43	MP GAMMA1	PX	-0.003	-0.003	0	0
44	MP BETA4	PX	-0.003	-0.003	0	0
45	MP BETA3	PX	-0.003	-0.003	0	0
46	MP BETA2	PX	-0.003	-0.003	0	0
47	MP BETA1	PX	-0.003	-0.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
48	MP ALPHA4	PX	-.003	-.003	0	0
49	MP ALPHA3	PX	-.003	-.003	0	0
50	MP ALPHA2	PX	-.003	-.003	0	0
51	MP ALPHA1	PX	-.003	-.003	0	0
52	FACEBOT3	PX	-.003	-.003	0	0
53	FACEBOT1	PX	-.003	-.003	0	0
54	FACEBOT2	PX	-.001	-.001	0	0
55	CR3B	PX	-.002	-.002	0	0
56	CR3A	PX	-.002	-.002	0	0
57	CR2B	PX	-.002	-.002	0	0
58	CR2A	PX	-.002	-.002	0	0
59	CR1B	PX	-.002	-.002	0	0
60	CR1A	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000822	.000822	0	0
2	SUP3A	PY	.000822	.000822	0	0
3	SUP2B	PY	.000822	.000822	0	0
4	SUP2A	PY	.000822	.000822	0	0
5	SUP1B	PY	.000822	.000822	0	0
6	SUP1A	PY	.000822	.000822	0	0
7	SO3	PY	.000754	.000754	0	0
8	SO2	PY	.000754	.000754	0	0
9	SO1	PY	.000754	.000754	0	0
10	RC3	PY	.000918	.000918	0	0
11	RC2	PY	.000918	.000918	0	0
12	RC1	PY	.000918	.000918	0	0
13	RAIL3	PY	.000586	.000586	0	0
14	RAIL1	PY	.000586	.000586	0	0
15	RAIL2	PY	.001	.001	0	0
16	PLATECORNER3C	PY	.002	.002	0	0
17	PLATECORNER3B	PY	.002	.002	0	0
18	PLATECORNER3A	PY	.002	.002	0	0
19	PLATECORNER2C	PY	.002	.002	0	0
20	PLATECORNER2B	PY	.002	.002	0	0
21	PLATECORNER2A	PY	.002	.002	0	0
22	PLATECORNER1C	PY	.002	.002	0	0
23	PLATECORNER1B	PY	.002	.002	0	0
24	PLATECORNER1A	PY	.002	.002	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	PIPE3	PY	.000536	.000536	0	0
38	PIPE2	PY	.000536	.000536	0	0
39	PIPE1	PY	.000536	.000536	0	0
40	MP GAMMA4	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
41	MP GAMMA3	PY	.002	.002	0	0
42	MP GAMMA2	PY	.002	.002	0	0
43	MP GAMMA1	PY	.002	.002	0	0
44	MP BETA4	PY	.002	.002	0	0
45	MP BETA3	PY	.002	.002	0	0
46	MP BETA2	PY	.002	.002	0	0
47	MP BETA1	PY	.002	.002	0	0
48	MP ALPHA4	PY	.002	.002	0	0
49	MP ALPHA3	PY	.002	.002	0	0
50	MP ALPHA2	PY	.002	.002	0	0
51	MP ALPHA1	PY	.002	.002	0	0
52	FACEBOT3	PY	.001	.001	0	0
53	FACEBOT1	PY	.001	.001	0	0
54	FACEBOT2	PY	.000666	.000666	0	0
55	CR3B	PY	.000754	.000754	0	0
56	CR3A	PY	.000754	.000754	0	0
57	CR2B	PY	.000754	.000754	0	0
58	CR2A	PY	.000754	.000754	0	0
59	CR1B	PY	.000754	.000754	0	0
60	CR1A	PY	.000754	.000754	0	0
61	SUP3B	PX	-.001	-.001	0	0
62	SUP3A	PX	-.001	-.001	0	0
63	SUP2B	PX	-.001	-.001	0	0
64	SUP2A	PX	-.001	-.001	0	0
65	SUP1B	PX	-.001	-.001	0	0
66	SUP1A	PX	-.001	-.001	0	0
67	SO3	PX	-.001	-.001	0	0
68	SO2	PX	-.001	-.001	0	0
69	SO1	PX	-.001	-.001	0	0
70	RC3	PX	-.002	-.002	0	0
71	RC2	PX	-.002	-.002	0	0
72	RC1	PX	-.002	-.002	0	0
73	RAIL3	PX	-.001	-.001	0	0
74	RAIL1	PX	-.001	-.001	0	0
75	RAIL2	PX	-.002	-.002	0	0
76	PLATECORNER3C	PX	-.003	-.003	0	0
77	PLATECORNER3B	PX	-.003	-.003	0	0
78	PLATECORNER3A	PX	-.003	-.003	0	0
79	PLATECORNER2C	PX	-.003	-.003	0	0
80	PLATECORNER2B	PX	-.003	-.003	0	0
81	PLATECORNER2A	PX	-.003	-.003	0	0
82	PLATECORNER1C	PX	-.003	-.003	0	0
83	PLATECORNER1B	PX	-.003	-.003	0	0
84	PLATECORNER1A	PX	-.003	-.003	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	PIPE3	PX	-.000929	-.000929	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
98	PIPE2	PX	-.000929	-.000929	0	0
99	PIPE1	PX	-.000929	-.000929	0	0
100	MP GAMMA4	PX	-.003	-.003	0	0
101	MP GAMMA3	PX	-.003	-.003	0	0
102	MP GAMMA2	PX	-.003	-.003	0	0
103	MP GAMMA1	PX	-.003	-.003	0	0
104	MP BETA4	PX	-.003	-.003	0	0
105	MP BETA3	PX	-.003	-.003	0	0
106	MP BETA2	PX	-.003	-.003	0	0
107	MP BETA1	PX	-.003	-.003	0	0
108	MP ALPHA4	PX	-.003	-.003	0	0
109	MP ALPHA3	PX	-.003	-.003	0	0
110	MP ALPHA2	PX	-.003	-.003	0	0
111	MP ALPHA1	PX	-.003	-.003	0	0
112	FACEBOT3	PX	-.002	-.002	0	0
113	FACEBOT1	PX	-.002	-.002	0	0
114	FACEBOT2	PX	-.001	-.001	0	0
115	CR3B	PX	-.001	-.001	0	0
116	CR3A	PX	-.001	-.001	0	0
117	CR2B	PX	-.001	-.001	0	0
118	CR2A	PX	-.001	-.001	0	0
119	CR1B	PX	-.001	-.001	0	0
120	CR1A	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.001	.001	0	0
2	SUP3A	PY	.001	.001	0	0
3	SUP2B	PY	.001	.001	0	0
4	SUP2A	PY	.001	.001	0	0
5	SUP1B	PY	.001	.001	0	0
6	SUP1A	PY	.001	.001	0	0
7	SO3	PY	.001	.001	0	0
8	SO2	PY	.001	.001	0	0
9	SO1	PY	.001	.001	0	0
10	RC3	PY	.002	.002	0	0
11	RC2	PY	.002	.002	0	0
12	RC1	PY	.002	.002	0	0
13	RAIL3	PY	.001	.001	0	0
14	RAIL1	PY	.001	.001	0	0
15	RAIL2	PY	.002	.002	0	0
16	PLATECORNER3C	PY	.003	.003	0	0
17	PLATECORNER3B	PY	.003	.003	0	0
18	PLATECORNER3A	PY	.003	.003	0	0
19	PLATECORNER2C	PY	.003	.003	0	0
20	PLATECORNER2B	PY	.003	.003	0	0
21	PLATECORNER2A	PY	.003	.003	0	0
22	PLATECORNER1C	PY	.003	.003	0	0
23	PLATECORNER1B	PY	.003	.003	0	0
24	PLATECORNER1A	PY	.003	.003	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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
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	PIPE3	PY	.000929	.000929	0	0
38	PIPE2	PY	.000929	.000929	0	0
39	PIPE1	PY	.000929	.000929	0	0
40	MP GAMMA4	PY	.003	.003	0	0
41	MP GAMMA3	PY	.003	.003	0	0
42	MP GAMMA2	PY	.003	.003	0	0
43	MP GAMMA1	PY	.003	.003	0	0
44	MP BETA4	PY	.003	.003	0	0
45	MP BETA3	PY	.003	.003	0	0
46	MP BETA2	PY	.003	.003	0	0
47	MP BETA1	PY	.003	.003	0	0
48	MP ALPHA4	PY	.003	.003	0	0
49	MP ALPHA3	PY	.003	.003	0	0
50	MP ALPHA2	PY	.003	.003	0	0
51	MP ALPHA1	PY	.003	.003	0	0
52	FACEBOT3	PY	.002	.002	0	0
53	FACEBOT1	PY	.002	.002	0	0
54	FACEBOT2	PY	.001	.001	0	0
55	CR3B	PY	.001	.001	0	0
56	CR3A	PY	.001	.001	0	0
57	CR2B	PY	.001	.001	0	0
58	CR2A	PY	.001	.001	0	0
59	CR1B	PY	.001	.001	0	0
60	CR1A	PY	.001	.001	0	0
61	SUP3B	PX	-.000822	-.000822	0	0
62	SUP3A	PX	-.000822	-.000822	0	0
63	SUP2B	PX	-.000822	-.000822	0	0
64	SUP2A	PX	-.000822	-.000822	0	0
65	SUP1B	PX	-.000822	-.000822	0	0
66	SUP1A	PX	-.000822	-.000822	0	0
67	SO3	PX	-.000754	-.000754	0	0
68	SO2	PX	-.000754	-.000754	0	0
69	SO1	PX	-.000754	-.000754	0	0
70	RC3	PX	-.000918	-.000918	0	0
71	RC2	PX	-.000918	-.000918	0	0
72	RC1	PX	-.000918	-.000918	0	0
73	RAIL3	PX	-.000586	-.000586	0	0
74	RAIL1	PX	-.000586	-.000586	0	0
75	RAIL2	PX	-.001	-.001	0	0
76	PLATECORNER3C	PX	-.002	-.002	0	0
77	PLATECORNER3B	PX	-.002	-.002	0	0
78	PLATECORNER3A	PX	-.002	-.002	0	0
79	PLATECORNER2C	PX	-.002	-.002	0	0
80	PLATECORNER2B	PX	-.002	-.002	0	0
81	PLATECORNER2A	PX	-.002	-.002	0	0
82	PLATECORNER1C	PX	-.002	-.002	0	0
83	PLATECORNER1B	PX	-.002	-.002	0	0
84	PLATECORNER1A	PX	-.002	-.002	0	0
85	PLATE12	PX	-.002	-.002	0	0
86	PLATE11	PX	-.002	-.002	0	0
87	PLATE10	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
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	PIPE3	PX	-.000536	-.000536	0	0
98	PIPE2	PX	-.000536	-.000536	0	0
99	PIPE1	PX	-.000536	-.000536	0	0
100	MP GAMMA4	PX	-.002	-.002	0	0
101	MP GAMMA3	PX	-.002	-.002	0	0
102	MP GAMMA2	PX	-.002	-.002	0	0
103	MP GAMMA1	PX	-.002	-.002	0	0
104	MP BETA4	PX	-.002	-.002	0	0
105	MP BETA3	PX	-.002	-.002	0	0
106	MP BETA2	PX	-.002	-.002	0	0
107	MP BETA1	PX	-.002	-.002	0	0
108	MP ALPHA4	PX	-.002	-.002	0	0
109	MP ALPHA3	PX	-.002	-.002	0	0
110	MP ALPHA2	PX	-.002	-.002	0	0
111	MP ALPHA1	PX	-.002	-.002	0	0
112	FACEBOT3	PX	-.001	-.001	0	0
113	FACEBOT1	PX	-.001	-.001	0	0
114	FACEBOT2	PX	-.000666	-.000666	0	0
115	CR3B	PX	-.000754	-.000754	0	0
116	CR3A	PX	-.000754	-.000754	0	0
117	CR2B	PX	-.000754	-.000754	0	0
118	CR2A	PX	-.000754	-.000754	0	0
119	CR1B	PX	-.000754	-.000754	0	0
120	CR1A	PX	-.000754	-.000754	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.002	.002	0	0
2	SUP3A	PY	.002	.002	0	0
3	SUP2B	PY	.002	.002	0	0
4	SUP2A	PY	.002	.002	0	0
5	SUP1B	PY	.002	.002	0	0
6	SUP1A	PY	.002	.002	0	0
7	SO3	PY	.002	.002	0	0
8	SO2	PY	.002	.002	0	0
9	SO1	PY	.002	.002	0	0
10	RC3	PY	.002	.002	0	0
11	RC2	PY	.002	.002	0	0
12	RC1	PY	.002	.002	0	0
13	RAIL3	PY	.001	.001	0	0
14	RAIL1	PY	.001	.001	0	0
15	RAIL2	PY	.002	.002	0	0
16	PLATECORNER3C	PY	.003	.003	0	0
17	PLATECORNER3B	PY	.003	.003	0	0
18	PLATECORNER3A	PY	.003	.003	0	0
19	PLATECORNER2C	PY	.003	.003	0	0
20	PLATECORNER2B	PY	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
21	PLATECORNER2A	PY	.003	.003	0	0
22	PLATECORNER1C	PY	.003	.003	0	0
23	PLATECORNER1B	PY	.003	.003	0	0
24	PLATECORNER1A	PY	.003	.003	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	PIPE3	PY	.001	.001	0	0
38	PIPE2	PY	.001	.001	0	0
39	PIPE1	PY	.001	.001	0	0
40	MP GAMMA4	PY	.003	.003	0	0
41	MP GAMMA3	PY	.003	.003	0	0
42	MP GAMMA2	PY	.003	.003	0	0
43	MP GAMMA1	PY	.003	.003	0	0
44	MP BETA4	PY	.003	.003	0	0
45	MP BETA3	PY	.003	.003	0	0
46	MP BETA2	PY	.003	.003	0	0
47	MP BETA1	PY	.003	.003	0	0
48	MP ALPHA4	PY	.003	.003	0	0
49	MP ALPHA3	PY	.003	.003	0	0
50	MP ALPHA2	PY	.003	.003	0	0
51	MP ALPHA1	PY	.003	.003	0	0
52	FACEBOT3	PY	.003	.003	0	0
53	FACEBOT1	PY	.003	.003	0	0
54	FACEBOT2	PY	.001	.001	0	0
55	CR3B	PY	.002	.002	0	0
56	CR3A	PY	.002	.002	0	0
57	CR2B	PY	.002	.002	0	0
58	CR2A	PY	.002	.002	0	0
59	CR1B	PY	.002	.002	0	0
60	CR1A	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.001	.001	0	0
2	SUP3A	PY	.001	.001	0	0
3	SUP2B	PY	.001	.001	0	0
4	SUP2A	PY	.001	.001	0	0
5	SUP1B	PY	.001	.001	0	0
6	SUP1A	PY	.001	.001	0	0
7	SO3	PY	.001	.001	0	0
8	SO2	PY	.001	.001	0	0
9	SO1	PY	.001	.001	0	0
10	RC3	PY	.002	.002	0	0
11	RC2	PY	.002	.002	0	0
12	RC1	PY	.002	.002	0	0
13	RAIL1	PY	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
14	RAIL2	PY	.001	.001	0	0
15	RAIL3	PY	.002	.002	0	0
16	PLATECORNER3C	PY	.003	.003	0	0
17	PLATECORNER3B	PY	.003	.003	0	0
18	PLATECORNER3A	PY	.003	.003	0	0
19	PLATECORNER2C	PY	.003	.003	0	0
20	PLATECORNER2B	PY	.003	.003	0	0
21	PLATECORNER2A	PY	.003	.003	0	0
22	PLATECORNER1C	PY	.003	.003	0	0
23	PLATECORNER1B	PY	.003	.003	0	0
24	PLATECORNER1A	PY	.003	.003	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	PIPE3	PY	.000929	.000929	0	0
38	PIPE2	PY	.000929	.000929	0	0
39	PIPE1	PY	.000929	.000929	0	0
40	MP GAMMA4	PY	.003	.003	0	0
41	MP GAMMA3	PY	.003	.003	0	0
42	MP GAMMA2	PY	.003	.003	0	0
43	MP GAMMA1	PY	.003	.003	0	0
44	MP BETA4	PY	.003	.003	0	0
45	MP BETA3	PY	.003	.003	0	0
46	MP BETA2	PY	.003	.003	0	0
47	MP BETA1	PY	.003	.003	0	0
48	MP ALPHA4	PY	.003	.003	0	0
49	MP ALPHA3	PY	.003	.003	0	0
50	MP ALPHA2	PY	.003	.003	0	0
51	MP ALPHA1	PY	.003	.003	0	0
52	FACEBOT1	PY	.002	.002	0	0
53	FACEBOT2	PY	.002	.002	0	0
54	FACEBOT3	PY	.001	.001	0	0
55	CR3B	PY	.001	.001	0	0
56	CR3A	PY	.001	.001	0	0
57	CR2B	PY	.001	.001	0	0
58	CR2A	PY	.001	.001	0	0
59	CR1B	PY	.001	.001	0	0
60	CR1A	PY	.001	.001	0	0
61	SUP3B	PX	.000822	.000822	0	0
62	SUP3A	PX	.000822	.000822	0	0
63	SUP2B	PX	.000822	.000822	0	0
64	SUP2A	PX	.000822	.000822	0	0
65	SUP1B	PX	.000822	.000822	0	0
66	SUP1A	PX	.000822	.000822	0	0
67	SO3	PX	.000754	.000754	0	0
68	SO2	PX	.000754	.000754	0	0
69	SO1	PX	.000754	.000754	0	0
70	RC3	PX	.000918	.000918	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
71	RC2	PX	.000918	.000918	0	0
72	RC1	PX	.000918	.000918	0	0
73	RAIL1	PX	.000586	.000586	0	0
74	RAIL2	PX	.000586	.000586	0	0
75	RAIL3	PX	.001	.001	0	0
76	PLATECORNER3C	PX	.002	.002	0	0
77	PLATECORNER3B	PX	.002	.002	0	0
78	PLATECORNER3A	PX	.002	.002	0	0
79	PLATECORNER2C	PX	.002	.002	0	0
80	PLATECORNER2B	PX	.002	.002	0	0
81	PLATECORNER2A	PX	.002	.002	0	0
82	PLATECORNER1C	PX	.002	.002	0	0
83	PLATECORNER1B	PX	.002	.002	0	0
84	PLATECORNER1A	PX	.002	.002	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	PIPE3	PX	.000536	.000536	0	0
98	PIPE2	PX	.000536	.000536	0	0
99	PIPE1	PX	.000536	.000536	0	0
100	MP GAMMA4	PX	.002	.002	0	0
101	MP GAMMA3	PX	.002	.002	0	0
102	MP GAMMA2	PX	.002	.002	0	0
103	MP GAMMA1	PX	.002	.002	0	0
104	MP BETA4	PX	.002	.002	0	0
105	MP BETA3	PX	.002	.002	0	0
106	MP BETA2	PX	.002	.002	0	0
107	MP BETA1	PX	.002	.002	0	0
108	MP ALPHA4	PX	.002	.002	0	0
109	MP ALPHA3	PX	.002	.002	0	0
110	MP ALPHA2	PX	.002	.002	0	0
111	MP ALPHA1	PX	.002	.002	0	0
112	FACEBOT1	PX	.001	.001	0	0
113	FACEBOT2	PX	.001	.001	0	0
114	FACEBOT3	PX	.000666	.000666	0	0
115	CR3B	PX	.000754	.000754	0	0
116	CR3A	PX	.000754	.000754	0	0
117	CR2B	PX	.000754	.000754	0	0
118	CR2A	PX	.000754	.000754	0	0
119	CR1B	PX	.000754	.000754	0	0
120	CR1A	PX	.000754	.000754	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000822	.000822	0	0
2	SUP3A	PY	.000822	.000822	0	0
3	SUP2B	PY	.000822	.000822	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
4	SUP2A	PY	.000822	.000822	0	0
5	SUP1B	PY	.000822	.000822	0	0
6	SUP1A	PY	.000822	.000822	0	0
7	SO3	PY	.000754	.000754	0	0
8	SO2	PY	.000754	.000754	0	0
9	SO1	PY	.000754	.000754	0	0
10	RC3	PY	.000918	.000918	0	0
11	RC2	PY	.000918	.000918	0	0
12	RC1	PY	.000918	.000918	0	0
13	RAIL1	PY	.000586	.000586	0	0
14	RAIL2	PY	.000586	.000586	0	0
15	RAIL3	PY	.001	.001	0	0
16	PLATECORNER3C	PY	.002	.002	0	0
17	PLATECORNER3B	PY	.002	.002	0	0
18	PLATECORNER3A	PY	.002	.002	0	0
19	PLATECORNER2C	PY	.002	.002	0	0
20	PLATECORNER2B	PY	.002	.002	0	0
21	PLATECORNER2A	PY	.002	.002	0	0
22	PLATECORNER1C	PY	.002	.002	0	0
23	PLATECORNER1B	PY	.002	.002	0	0
24	PLATECORNER1A	PY	.002	.002	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	PIPE3	PY	.000536	.000536	0	0
38	PIPE2	PY	.000536	.000536	0	0
39	PIPE1	PY	.000536	.000536	0	0
40	MP GAMMA4	PY	.002	.002	0	0
41	MP GAMMA3	PY	.002	.002	0	0
42	MP GAMMA2	PY	.002	.002	0	0
43	MP GAMMA1	PY	.002	.002	0	0
44	MP BETA4	PY	.002	.002	0	0
45	MP BETA3	PY	.002	.002	0	0
46	MP BETA2	PY	.002	.002	0	0
47	MP BETA1	PY	.002	.002	0	0
48	MP ALPHA4	PY	.002	.002	0	0
49	MP ALPHA3	PY	.002	.002	0	0
50	MP ALPHA2	PY	.002	.002	0	0
51	MP ALPHA1	PY	.002	.002	0	0
52	FACEBOT1	PY	.001	.001	0	0
53	FACEBOT2	PY	.001	.001	0	0
54	FACEBOT3	PY	.000666	.000666	0	0
55	CR3B	PY	.000754	.000754	0	0
56	CR3A	PY	.000754	.000754	0	0
57	CR2B	PY	.000754	.000754	0	0
58	CR2A	PY	.000754	.000754	0	0
59	CR1B	PY	.000754	.000754	0	0
60	CR1A	PY	.000754	.000754	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	SUP3B	PX	.001	.001	0	0
62	SUP3A	PX	.001	.001	0	0
63	SUP2B	PX	.001	.001	0	0
64	SUP2A	PX	.001	.001	0	0
65	SUP1B	PX	.001	.001	0	0
66	SUP1A	PX	.001	.001	0	0
67	SO3	PX	.001	.001	0	0
68	SO2	PX	.001	.001	0	0
69	SO1	PX	.001	.001	0	0
70	RC3	PX	.002	.002	0	0
71	RC2	PX	.002	.002	0	0
72	RC1	PX	.002	.002	0	0
73	RAIL1	PX	.001	.001	0	0
74	RAIL2	PX	.001	.001	0	0
75	RAIL3	PX	.002	.002	0	0
76	PLATECORNER3C	PX	.003	.003	0	0
77	PLATECORNER3B	PX	.003	.003	0	0
78	PLATECORNER3A	PX	.003	.003	0	0
79	PLATECORNER2C	PX	.003	.003	0	0
80	PLATECORNER2B	PX	.003	.003	0	0
81	PLATECORNER2A	PX	.003	.003	0	0
82	PLATECORNER1C	PX	.003	.003	0	0
83	PLATECORNER1B	PX	.003	.003	0	0
84	PLATECORNER1A	PX	.003	.003	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	PIPE3	PX	.000929	.000929	0	0
98	PIPE2	PX	.000929	.000929	0	0
99	PIPE1	PX	.000929	.000929	0	0
100	MP GAMMA4	PX	.003	.003	0	0
101	MP GAMMA3	PX	.003	.003	0	0
102	MP GAMMA2	PX	.003	.003	0	0
103	MP GAMMA1	PX	.003	.003	0	0
104	MP BETA4	PX	.003	.003	0	0
105	MP BETA3	PX	.003	.003	0	0
106	MP BETA2	PX	.003	.003	0	0
107	MP BETA1	PX	.003	.003	0	0
108	MP ALPHA4	PX	.003	.003	0	0
109	MP ALPHA3	PX	.003	.003	0	0
110	MP ALPHA2	PX	.003	.003	0	0
111	MP ALPHA1	PX	.003	.003	0	0
112	FACEBOT1	PX	.002	.002	0	0
113	FACEBOT2	PX	.002	.002	0	0
114	FACEBOT3	PX	.001	.001	0	0
115	CR3B	PX	.001	.001	0	0
116	CR3A	PX	.001	.001	0	0
117	CR2B	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
118	CR2A	PX	.001	.001	0	0
119	CR1B	PX	.001	.001	0	0
120	CR1A	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PX	.002	.002	0	0
2	SUP3A	PX	.002	.002	0	0
3	SUP2B	PX	.002	.002	0	0
4	SUP2A	PX	.002	.002	0	0
5	SUP1B	PX	.002	.002	0	0
6	SUP1A	PX	.002	.002	0	0
7	SO3	PX	.002	.002	0	0
8	SO2	PX	.002	.002	0	0
9	SO1	PX	.002	.002	0	0
10	RC3	PX	.002	.002	0	0
11	RC2	PX	.002	.002	0	0
12	RC1	PX	.002	.002	0	0
13	RAIL1	PX	.001	.001	0	0
14	RAIL2	PX	.001	.001	0	0
15	RAIL3	PX	.002	.002	0	0
16	PLATECORNER3C	PX	.003	.003	0	0
17	PLATECORNER3B	PX	.003	.003	0	0
18	PLATECORNER3A	PX	.003	.003	0	0
19	PLATECORNER2C	PX	.003	.003	0	0
20	PLATECORNER2B	PX	.003	.003	0	0
21	PLATECORNER2A	PX	.003	.003	0	0
22	PLATECORNER1C	PX	.003	.003	0	0
23	PLATECORNER1B	PX	.003	.003	0	0
24	PLATECORNER1A	PX	.003	.003	0	0
25	PLATE12	PX	.003	.003	0	0
26	PLATE11	PX	.003	.003	0	0
27	PLATE10	PX	.003	.003	0	0
28	PLATE9	PX	.003	.003	0	0
29	PLATE8	PX	.003	.003	0	0
30	PLATE7	PX	.003	.003	0	0
31	PLATE6	PX	.003	.003	0	0
32	PLATE5	PX	.003	.003	0	0
33	PLATE4	PX	.003	.003	0	0
34	PLATE3	PX	.003	.003	0	0
35	PLATE2	PX	.003	.003	0	0
36	PLATE1	PX	.003	.003	0	0
37	PIPE3	PX	.001	.001	0	0
38	PIPE2	PX	.001	.001	0	0
39	PIPE1	PX	.001	.001	0	0
40	MP GAMMA4	PX	.003	.003	0	0
41	MP GAMMA3	PX	.003	.003	0	0
42	MP GAMMA2	PX	.003	.003	0	0
43	MP GAMMA1	PX	.003	.003	0	0
44	MP BETA4	PX	.003	.003	0	0
45	MP BETA3	PX	.003	.003	0	0
46	MP BETA2	PX	.003	.003	0	0
47	MP BETA1	PX	.003	.003	0	0
48	MP ALPHA4	PX	.003	.003	0	0
49	MP ALPHA3	PX	.003	.003	0	0
50	MP ALPHA2	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
51	MP ALPHA1	PX	.003	.003	0	0
52	FACEBOT1	PX	.003	.003	0	0
53	FACEBOT2	PX	.003	.003	0	0
54	FACEBOT3	PX	.001	.001	0	0
55	CR3B	PX	.002	.002	0	0
56	CR3A	PX	.002	.002	0	0
57	CR2B	PX	.002	.002	0	0
58	CR2A	PX	.002	.002	0	0
59	CR1B	PX	.002	.002	0	0
60	CR1A	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.000822	-.000822	0	0
2	SUP3A	PY	-.000822	-.000822	0	0
3	SUP2B	PY	-.000822	-.000822	0	0
4	SUP2A	PY	-.000822	-.000822	0	0
5	SUP1B	PY	-.000822	-.000822	0	0
6	SUP1A	PY	-.000822	-.000822	0	0
7	SO3	PY	-.000754	-.000754	0	0
8	SO2	PY	-.000754	-.000754	0	0
9	SO1	PY	-.000754	-.000754	0	0
10	RC3	PY	-.000918	-.000918	0	0
11	RC2	PY	-.000918	-.000918	0	0
12	RC1	PY	-.000918	-.000918	0	0
13	RAIL1	PY	-.000586	-.000586	0	0
14	RAIL2	PY	-.000586	-.000586	0	0
15	RAIL3	PY	-.001	-.001	0	0
16	PLATECORNER3C	PY	-.002	-.002	0	0
17	PLATECORNER3B	PY	-.002	-.002	0	0
18	PLATECORNER3A	PY	-.002	-.002	0	0
19	PLATECORNER2C	PY	-.002	-.002	0	0
20	PLATECORNER2B	PY	-.002	-.002	0	0
21	PLATECORNER2A	PY	-.002	-.002	0	0
22	PLATECORNER1C	PY	-.002	-.002	0	0
23	PLATECORNER1B	PY	-.002	-.002	0	0
24	PLATECORNER1A	PY	-.002	-.002	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	PIPE3	PY	-.000536	-.000536	0	0
38	PIPE2	PY	-.000536	-.000536	0	0
39	PIPE1	PY	-.000536	-.000536	0	0
40	MP GAMMA4	PY	-.002	-.002	0	0
41	MP GAMMA3	PY	-.002	-.002	0	0
42	MP GAMMA2	PY	-.002	-.002	0	0
43	MP GAMMA1	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
44	MP BETA4	PY	-.002	-.002	0	0
45	MP BETA3	PY	-.002	-.002	0	0
46	MP BETA2	PY	-.002	-.002	0	0
47	MP BETA1	PY	-.002	-.002	0	0
48	MP ALPHA4	PY	-.002	-.002	0	0
49	MP ALPHA3	PY	-.002	-.002	0	0
50	MP ALPHA2	PY	-.002	-.002	0	0
51	MP ALPHA1	PY	-.002	-.002	0	0
52	FACEBOT1	PY	-.001	-.001	0	0
53	FACEBOT2	PY	-.001	-.001	0	0
54	FACEBOT3	PY	-.000666	-.000666	0	0
55	CR3B	PY	-.000754	-.000754	0	0
56	CR3A	PY	-.000754	-.000754	0	0
57	CR2B	PY	-.000754	-.000754	0	0
58	CR2A	PY	-.000754	-.000754	0	0
59	CR1B	PY	-.000754	-.000754	0	0
60	CR1A	PY	-.000754	-.000754	0	0
61	SUP3B	PX	.001	.001	0	0
62	SUP3A	PX	.001	.001	0	0
63	SUP2B	PX	.001	.001	0	0
64	SUP2A	PX	.001	.001	0	0
65	SUP1B	PX	.001	.001	0	0
66	SUP1A	PX	.001	.001	0	0
67	SO3	PX	.001	.001	0	0
68	SO2	PX	.001	.001	0	0
69	SO1	PX	.001	.001	0	0
70	RC3	PX	.002	.002	0	0
71	RC2	PX	.002	.002	0	0
72	RC1	PX	.002	.002	0	0
73	RAIL1	PX	.001	.001	0	0
74	RAIL2	PX	.001	.001	0	0
75	RAIL3	PX	.002	.002	0	0
76	PLATECORNER3C	PX	.003	.003	0	0
77	PLATECORNER3B	PX	.003	.003	0	0
78	PLATECORNER3A	PX	.003	.003	0	0
79	PLATECORNER2C	PX	.003	.003	0	0
80	PLATECORNER2B	PX	.003	.003	0	0
81	PLATECORNER2A	PX	.003	.003	0	0
82	PLATECORNER1C	PX	.003	.003	0	0
83	PLATECORNER1B	PX	.003	.003	0	0
84	PLATECORNER1A	PX	.003	.003	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	PIPE3	PX	.000929	.000929	0	0
98	PIPE2	PX	.000929	.000929	0	0
99	PIPE1	PX	.000929	.000929	0	0
100	MP GAMMA4	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
101	MP GAMMA3	PX	.003	.003	0	0
102	MP GAMMA2	PX	.003	.003	0	0
103	MP GAMMA1	PX	.003	.003	0	0
104	MP BETA4	PX	.003	.003	0	0
105	MP BETA3	PX	.003	.003	0	0
106	MP BETA2	PX	.003	.003	0	0
107	MP BETA1	PX	.003	.003	0	0
108	MP ALPHA4	PX	.003	.003	0	0
109	MP ALPHA3	PX	.003	.003	0	0
110	MP ALPHA2	PX	.003	.003	0	0
111	MP ALPHA1	PX	.003	.003	0	0
112	FACEBOT1	PX	.002	.002	0	0
113	FACEBOT2	PX	.002	.002	0	0
114	FACEBOT3	PX	.001	.001	0	0
115	CR3B	PX	.001	.001	0	0
116	CR3A	PX	.001	.001	0	0
117	CR2B	PX	.001	.001	0	0
118	CR2A	PX	.001	.001	0	0
119	CR1B	PX	.001	.001	0	0
120	CR1A	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.001	-.001	0	0
2	SUP3A	PY	-.001	-.001	0	0
3	SUP2B	PY	-.001	-.001	0	0
4	SUP2A	PY	-.001	-.001	0	0
5	SUP1B	PY	-.001	-.001	0	0
6	SUP1A	PY	-.001	-.001	0	0
7	SO3	PY	-.001	-.001	0	0
8	SO2	PY	-.001	-.001	0	0
9	SO1	PY	-.001	-.001	0	0
10	RC3	PY	-.002	-.002	0	0
11	RC2	PY	-.002	-.002	0	0
12	RC1	PY	-.002	-.002	0	0
13	RAIL3	PY	-.001	-.001	0	0
14	RAIL2	PY	-.001	-.001	0	0
15	RAIL1	PY	-.002	-.002	0	0
16	PLATECORNER3C	PY	-.003	-.003	0	0
17	PLATECORNER3B	PY	-.003	-.003	0	0
18	PLATECORNER3A	PY	-.003	-.003	0	0
19	PLATECORNER2C	PY	-.003	-.003	0	0
20	PLATECORNER2B	PY	-.003	-.003	0	0
21	PLATECORNER2A	PY	-.003	-.003	0	0
22	PLATECORNER1C	PY	-.003	-.003	0	0
23	PLATECORNER1B	PY	-.003	-.003	0	0
24	PLATECORNER1A	PY	-.003	-.003	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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	PLATE3	PY	-.003	-.003	0	0
35	PLATE2	PY	-.003	-.003	0	0
36	PLATE1	PY	-.003	-.003	0	0
37	PIPE3	PY	-.000929	-.000929	0	0
38	PIPE2	PY	-.000929	-.000929	0	0
39	PIPE1	PY	-.000929	-.000929	0	0
40	MP GAMMA4	PY	-.003	-.003	0	0
41	MP GAMMA3	PY	-.003	-.003	0	0
42	MP GAMMA2	PY	-.003	-.003	0	0
43	MP GAMMA1	PY	-.003	-.003	0	0
44	MP BETA4	PY	-.003	-.003	0	0
45	MP BETA3	PY	-.003	-.003	0	0
46	MP BETA2	PY	-.003	-.003	0	0
47	MP BETA1	PY	-.003	-.003	0	0
48	MP ALPHA4	PY	-.003	-.003	0	0
49	MP ALPHA3	PY	-.003	-.003	0	0
50	MP ALPHA2	PY	-.003	-.003	0	0
51	MP ALPHA1	PY	-.003	-.003	0	0
52	FACEBOT3	PY	-.002	-.002	0	0
53	FACEBOT2	PY	-.002	-.002	0	0
54	FACEBOT1	PY	-.001	-.001	0	0
55	CR3B	PY	-.001	-.001	0	0
56	CR3A	PY	-.001	-.001	0	0
57	CR2B	PY	-.001	-.001	0	0
58	CR2A	PY	-.001	-.001	0	0
59	CR1B	PY	-.001	-.001	0	0
60	CR1A	PY	-.001	-.001	0	0
61	SUP3B	PX	.000822	.000822	0	0
62	SUP3A	PX	.000822	.000822	0	0
63	SUP2B	PX	.000822	.000822	0	0
64	SUP2A	PX	.000822	.000822	0	0
65	SUP1B	PX	.000822	.000822	0	0
66	SUP1A	PX	.000822	.000822	0	0
67	SO3	PX	.000754	.000754	0	0
68	SO2	PX	.000754	.000754	0	0
69	SO1	PX	.000754	.000754	0	0
70	RC3	PX	.000918	.000918	0	0
71	RC2	PX	.000918	.000918	0	0
72	RC1	PX	.000918	.000918	0	0
73	RAIL3	PX	.000586	.000586	0	0
74	RAIL2	PX	.000586	.000586	0	0
75	RAIL1	PX	.001	.001	0	0
76	PLATECORNER3C	PX	.002	.002	0	0
77	PLATECORNER3B	PX	.002	.002	0	0
78	PLATECORNER3A	PX	.002	.002	0	0
79	PLATECORNER2C	PX	.002	.002	0	0
80	PLATECORNER2B	PX	.002	.002	0	0
81	PLATECORNER2A	PX	.002	.002	0	0
82	PLATECORNER1C	PX	.002	.002	0	0
83	PLATECORNER1B	PX	.002	.002	0	0
84	PLATECORNER1A	PX	.002	.002	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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
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	PIPE3	PX	.000536	.000536	0	0
98	PIPE2	PX	.000536	.000536	0	0
99	PIPE1	PX	.000536	.000536	0	0
100	MP GAMMA4	PX	.002	.002	0	0
101	MP GAMMA3	PX	.002	.002	0	0
102	MP GAMMA2	PX	.002	.002	0	0
103	MP GAMMA1	PX	.002	.002	0	0
104	MP BETA4	PX	.002	.002	0	0
105	MP BETA3	PX	.002	.002	0	0
106	MP BETA2	PX	.002	.002	0	0
107	MP BETA1	PX	.002	.002	0	0
108	MP ALPHA4	PX	.002	.002	0	0
109	MP ALPHA3	PX	.002	.002	0	0
110	MP ALPHA2	PX	.002	.002	0	0
111	MP ALPHA1	PX	.002	.002	0	0
112	FACEBOT3	PX	.001	.001	0	0
113	FACEBOT2	PX	.001	.001	0	0
114	FACEBOT1	PX	.000666	.000666	0	0
115	CR3B	PX	.000754	.000754	0	0
116	CR3A	PX	.000754	.000754	0	0
117	CR2B	PX	.000754	.000754	0	0
118	CR2A	PX	.000754	.000754	0	0
119	CR1B	PX	.000754	.000754	0	0
120	CR1A	PX	.000754	.000754	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	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	-.002	-.011	0	1.347
7	SUP3B	Z	-.011	-.014	1.347	2.694
8	SUP3B	Z	-.014	-.009	2.694	4.041
9	SUP3A	Z	-.015	-.009	0	1.617
10	SUP3A	Z	-.009	-.003	1.617	3.233
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 27 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	SUP1B	Z	-.004	-.013	.808	2.425
2	SUP1B	Z	-.013	-.022	2.425	4.041
3	SUP1A	Z	-.013	-.019	0	1.347
4	SUP1A	Z	-.019	-.016	1.347	2.694
5	SUP1A	Z	-.016	-.003	2.694	4.041

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft, %]	End Location[ft, %]
6	SUP3B	Z	-.004	-.013	.808	2.425
7	SUP3B	Z	-.013	-.022	2.425	4.041
8	SUP3A	Z	-.013	-.019	0	1.347
9	SUP3A	Z	-.019	-.016	1.347	2.694
10	SUP3A	Z	-.016	-.003	2.694	4.041
11	SUP2B	Z	-.004	-.013	.808	2.425
12	SUP2B	Z	-.013	-.022	2.425	4.041
13	SUP2A	Z	-.003	-.016	0	1.347
14	SUP2A	Z	-.016	-.019	1.347	2.694
15	SUP2A	Z	-.019	-.013	2.694	4.041

Member Area Loads (BLC 3 : Dead Load)

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

Member Area Loads (BLC 27 : Ice Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N89A	N87A	N90		Z	Two Way	-.014
2	N91	N88A	N86A		Z	Two Way	-.014
3	N87B	N89	N91A		Z	Two Way	-.014

Basic Load Cases

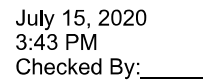
	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(Member)	Surface(Plate/Wall)
1	Live Load	DL					1			
2	Wind Load (0)	DL					32	60		
3	Dead Load	DL			-1.1		32		3	
4	Wind Load (30)	DL					64	120		
5	Wind Load (60)	DL					64	120		
6	Wind Load (90)	DL					32	60		
7	Wind Load (120)	DL					64	120		
8	Wind Load (150)	DL					64	120		
9	Wind Load (180)	DL					32	60		
10	Wind Load (210)	DL					64	120		
11	Wind Load (240)	DL					64	120		
12	Wind Load (270)	DL					32	60		
13	Wind Load (300)	DL					64	120		
14	Wind Load (330)	DL					64	120		
15	Maintenance (0)	DL					32	60		
16	Maintenance (30)	DL					64	120		
17	Maintenance (60)	DL					64	120		
18	Maintenance (90)	DL					32	60		
19	Maintenance (120)	DL					64	120		
20	Maintenance (150)	DL					64	120		
21	Maintenance (180)	DL					32	60		
22	Maintenance (210)	DL					64	120		
23	Maintenance (240)	DL					64	120		
24	Maintenance (270)	DL					32	60		
25	Maintenance (300)	DL					64	120		
26	Maintenance (330)	DL					64	120		
27	Ice Dead Load	DL					32	60	3	
28	Ice Wind Load (0)	DL					32	60		

Basic Load Cases (Continued)

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(Member)	Surface(Plate/Wall)
29	Ice Wind Load (30)	DL					64	120		
30	Ice Wind Load (60)	DL					64	120		
31	Ice Wind Load (90)	DL					32	60		
32	Ice Wind Load (120)	DL					64	120		
33	Ice Wind Load (150)	DL					64	120		
34	Ice Wind Load (180)	DL					32	60		
35	Ice Wind Load (210)	DL					64	120		
36	Ice Wind Load (240)	DL					64	120		
37	Ice Wind Load (270)	DL					32	60		
38	Ice Wind Load (300)	DL					64	120		
39	Ice Wind Load (330)	DL					64	120		
40	Earthquake (x-direction)	DL	-.111				32			
41	Earthquake (y-direction)	DL		-.111			32			
42	Earthquake (z-direction)	DL			-.045		32			
43	BLC 3 Transient Area L...	None						15		
44	BLC 27 Transient Area ...	None						15		

Load Combinations

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

Page 115

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

Member	Shape	Code Check	Loc...	LC	Shear Check	Loc[ft]	...	LC	phi*Pnc [phi*	phi*	phi*	...	Egn
36	PLATE1	6x0.375	.211	.146	23	.765	0	y	2	68.934	72.9	.57	9.113	...H1-...
37	PIPE3	PIPE_2.0	.028	0	14	.198	0		5	26.148	32.13	1.872	1.872	...H1-...
38	PIPE2	PIPE_2.0	.028	0	2	.196	0		29	26.148	32.13	1.872	1.872	...H1-...
39	PIPE1	PIPE_2.0	.028	4.145	26	.197	4.145		17	26.148	32.13	1.872	1.872	...H1-...
40	MP GAMM...	PIPE_2.0	.560	1.5	20	.123	1.5		23	14.916	32.13	1.872	1.872	...H1-...
41	MP GAMM...	PIPE_2.0	.662	1.5	17	.134	1.5		17	14.916	32.13	1.872	1.872	...H1-...
42	MP GAMM...	PIPE_2.0	.559	1.5	32	.093	1.5		5	14.916	32.13	1.872	1.872	...H1-...
43	MP GAMM...	PIPE_2.0	.522	1.5	32	.137	1.5		32	14.916	32.13	1.872	1.872	...H1-...
44	MP BETA4	PIPE_2.0	.566	1.5	8	.122	1.5		11	14.916	32.13	1.872	1.872	...H1-...
45	MP BETA3	PIPE_2.0	.676	1.5	5	.138	1.5		5	14.916	32.13	1.872	1.872	...H1-...
46	MP BETA2	PIPE_2.0	.564	1.5	20	.089	1.5		29	14.916	32.13	1.872	1.872	...H1-...
47	MP BETA1	PIPE_2.0	.532	1.5	20	.139	1.5		20	14.916	32.13	1.872	1.872	...H1-...
48	MP ALPHA4	PIPE_2.0	.583	1.5	32	.126	1.5		35	14.916	32.13	1.872	1.872	...H1-...
49	MP ALPHA3	PIPE_2.0	.691	1.5	29	.138	1.5		29	14.916	32.13	1.872	1.872	...H1-...
50	MP ALPHA2	PIPE_2.0	.557	1.5	8	.094	1.5		17	14.916	32.13	1.872	1.872	...H1-...
51	MP ALPHA1	PIPE_2.0	.525	1.5	8	.137	1.5		8	14.916	32.13	1.872	1.872	...H1-...
52	FACEBOT3	PIPE_3.0	.229	4.167	20	.113	1.302		29	28.251	65.2...	5.749	5.749	...H1-...
53	FACEBOT2	PIPE_3.0	.234	4.167	8	.116	1.302		17	28.251	65.2...	5.749	5.749	...H1-...
54	FACEBOT1	PIPE_3.0	.234	8.333	32	.116	11.198		5	28.251	65.2...	5.749	5.749	...H1-...
55	CR3B	HSS4X4...	.266	2.38	32	.067	2.38	z	33	136.249	139...	16.1...	16.1...	...H1-...
56	CR3A	HSS4X4...	.247	0	32	.072	0	z	33	136.249	139...	16.1...	16.1...	...H1-...
57	CR2B	HSS4X4...	.264	2.38	20	.065	.521	z	20	136.249	139...	16.1...	16.1...	...H1-...
58	CR2A	HSS4X4...	.242	2.38	20	.068	2.38	z	21	136.249	139...	16.1...	16.1...	...H1-...
59	CR1B	HSS4X4...	.270	0	8	.072	0	z	9	136.249	139...	16.1...	16.1...	...H1-...
60	CR1A	HSS4X4...	.248	0	8	.073	0	z	9	136.249	139...	16.1...	16.1...	...H1-...

APPENDIX D

Additional Calculations



POD Job # 20-66863
Site Number 876360
Site Name PRESTON / TOWN HALL

Calculations Based on TIA-222-H

Reactions from RISA-3D

Moment 7.639 ft-kip
Axial 2.81 kips
Shear 3.166 kips

Bolt Information

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

Flange Plate Information

Width 8 in.
Thickness 0.75 in.
Grade A36

Standoff Information

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

Bolt Calculations

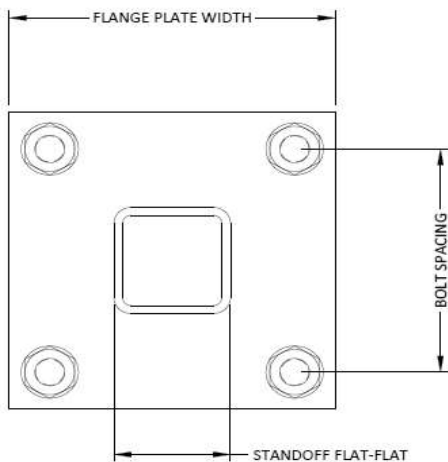
ϕ 0.75
 A_{nt} 0.226 in²
 A_b 0.307 in²
 F_u 120 ksi
 ϕR_{nv} 13.81 kips
 ϕR_{nt} 20.34 kips
 V 0.79 kips
 F 8.33 kips
Capacity 17.1%

Flange Plate Calculations

ϕ 0.9
 F_y 36 ksi
 t_{min} 0.27 in
 Z 1.1 in³
 ϕM_n 36.5 in-kip
 M_u 16.7 in-kip
Capacity 45.7%

Capacities

Bolts	17.1%
Flange Plate	45.7%



APPENDIX E

Wind Speed Documentation



Hazards by Location

Search Information

Coordinates: 41.490347, -71.991542
Elevation: 147 ft
Timestamp: 2020-06-24T14:32:05.983Z
Hazard Type: Wind



ASCE 7-16

MRI 10-Year 75 mph
 MRI 25-Year 86 mph
 MRI 50-Year 97 mph
 MRI 100-Year 103 mph
 Risk Category I 116 mph
 Risk Category II 126 mph
 Risk Category III ⚠ 135 mph

If the structure under consideration is a healthcare facility and you are also within 1 mile of the coastal mean high water line, you are in a wind-borne debris region. If other occupancy, use the Risk Category II basic wind speed contours to determine if you are in a wind-borne debris region.

Risk Category IV ⚠ 138 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 79 mph
 MRI 25-Year 89 mph
 MRI 50-Year 98 mph
 MRI 100-Year 108 mph
 Risk Category I 123 mph
 Risk Category II ⚠ 134 mph

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

Risk Category III-IV ⚠ 144 mph

If the structure under consideration is a healthcare facility and you are also within 1 mile of the coastal mean high water line, you are in a wind-borne debris region. If other occupancy, use the Risk Category II basic wind speed contours to determine if you are in a wind-borne debris region.

ASCE 7-05

ASCE 7-05 Wind Speed ⚠ 116 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.

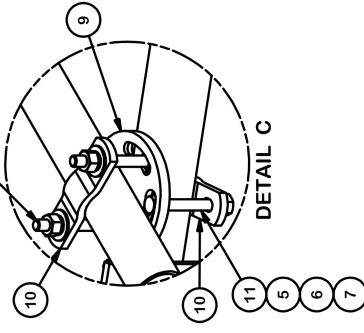
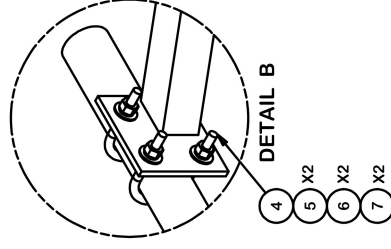
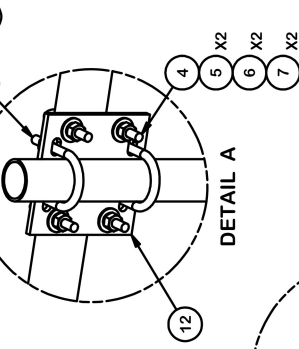
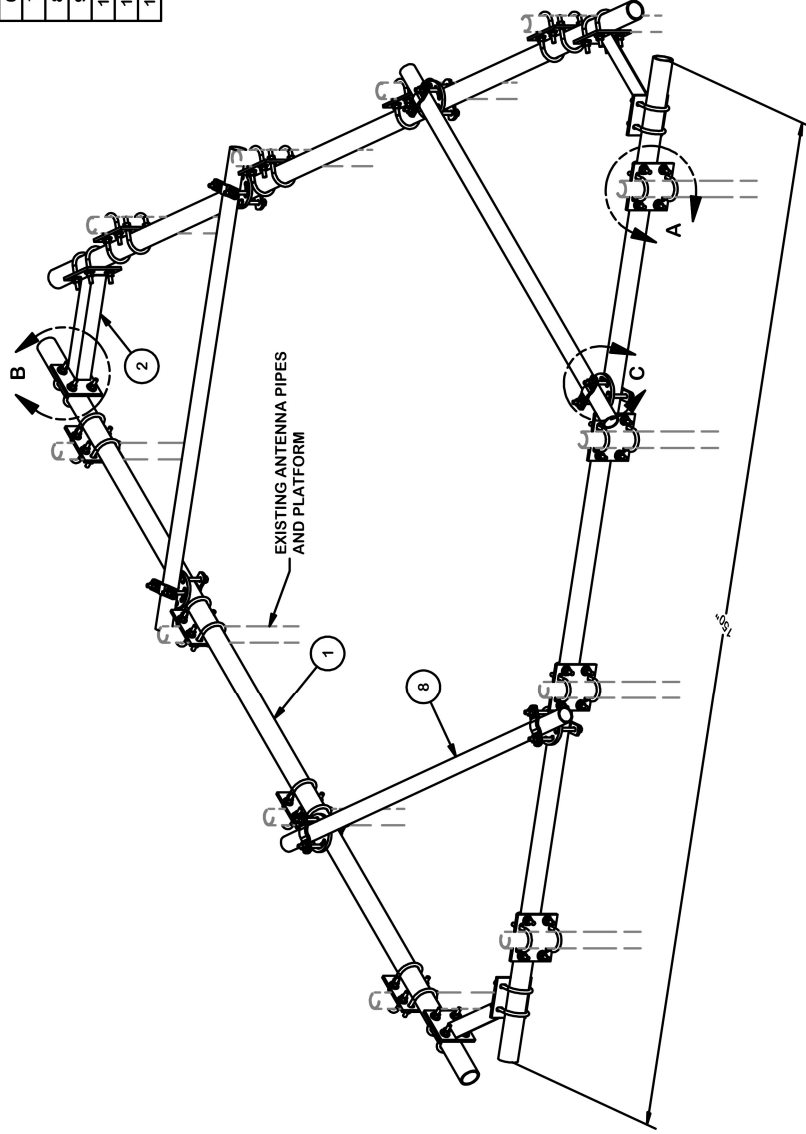
Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.

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APPENDIX F
Specification Sheets

PARTS LIST

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	P30150	2-7/8" O.D. X 150" SCH. 40 PIPE	150 in	76.94	230.81
2	3	X-AHCP	ANGLE HANDRAIL CORNER PLATE		12.92	38.76
3	24	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.73	17.56
4	60	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.73	43.90
5	144	G12FW	1/2" HDG USS FLATWASHER		0.03	4.91
6	144	G12LW	1/2" HDG LOCKWASHER		0.01	2.00
7	144	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	10.31
8	3	P272	2-3/8" X 72" SCH 40 GALVANIZED PIPE	72 in	23.07	69.20
9	6	X-127594	FLAT DISK CLAMP PLATE 4" CENTERS (GALVANIZED)		2.48	14.90
10	12	X-100064	CLAMP (S) (4" V-CLAMP) GALVANIZED		0.91	10.95
11	24	G1204	1/2" x 4" HDG HEX BOLT GR5 FULL THREAD	4 in	0.27	6.48
12	12	SCX2	CROSSOVER PLATE	7 in	4.80	57.56
TOTAL WT. #					480	502.34



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
 DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES
 BENDS ARE $\pm 1/2$ DEGREE
 ALL OTHER MACHINING ($\pm 0.030"$)
 ALL OTHER ASSEMBLY ($\pm 0.060"$)

PROPRIETARY NOTE:
 THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT
 INDUSTRIES, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE
 WRITTEN PERMISSION OF VALMONT INDUSTRIES, INC. VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION
 HEAVY DUTY HANDRAIL KIT
 FOR 12' PLATFORMS WITH
 2-7/8" HANDRAIL PIPES

CPD NO.	DRAWN BY	ENG. APPROVAL
81	CEK	4/6/2015
CLASS	CHECKED BY	
01	CUSTOMER	BMC
	4/7/2015	



Locations:
 New York, NY
 Atlanta, GA
 Los Angeles, CA
 Plymouth, IN
 Salem, OR
 Dallas, TX

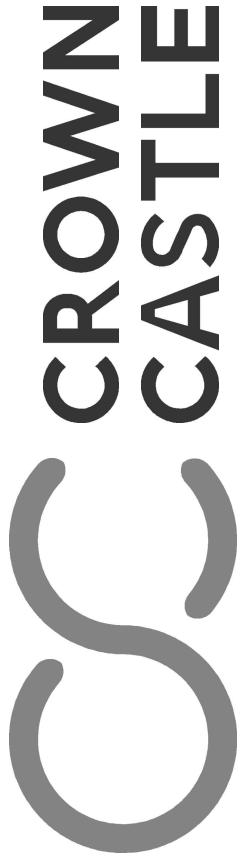
Engineering
 Support Team:
 1-888-753-7446

A valmont COMPANY

PART NO.	HRK12-3HD
DWG. NO.	HRK12-3HD

APPENDIX G

Mount Modification Design Drawings



SITE: 876360 PRESTON / TOWN HALL (10071209)

MODIFICATION DRAWING FOR AN EXISTING 12.5' LOW PROFILE PLATFORM AT 118' ON A 147' MONOPOLE TOWER

PLANS PREPARED FOR: CROWN CASTLE	
PLANS PREPARED BY: POD POWER OF DESIGN 1033 E. TURKEYFOOT LANE RD. SUITE 200 PRESTON, CT 06365 380-961-7432	
CARRIER: AT&T	DRAWING NOTICE: THESE DOCUMENTS ARE CONFIDENTIAL AND NOT BE LOANED, REPRODUCED, COPIED, OR DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.
MODIFICATION DRAWING	
REV. DATE DESCRIPTION	
SITE INFORMATION: PRESTON / TOWN HALL (10071209) 380 RT. 2 PRESTON, CT 06365	
SITE NUMBER: 876360	
POD NUMBER: 20-66883	DRAWN BY: TAT
CHECKED BY: JGC	DATE: 07/15/2020
SHEET TITLE: TITLE SHEET	
T-01	


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

PROJECT INFORMATION	
COUNTY:	NEW LONDON
SITE ADDRESS:	380 RT. 2 PRESTON, CT 06365
LATITUDE:	41° 29' 25.25"
LONGITUDE:	-71° 59' 29.55"


SCOPE OF WORK:	
MOUNT MODIFICATION. DRAWINGS INCLUDES: INSTALL PROPOSED HANDRAIL KIT & MOUNT PIPES. MOVE EXISTING MOUNT PIPES & CONNECTIONS ACCORDINGLY.	

- NOTES:
- ANTENNAE & GRATING NOT SHOWN FOR CLARITY.
 - EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR


PLANS PREPARED FOR:

**CROWN
CASTLE**

PLANS PREPARED BY:

**POD**
POWER OF DESIGN
1033 E. TURKEYFOOT LANE RD.
SUITE 200
DENVER, CO 80202
303.962.7432

CARRIER:

**AT&T**

DRAWING NOTICE:

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MODIFICATION DRAWING

REV.	DATE	DESCRIPTION

SITE INFORMATION:

**PRESTON / TOWN HALL
(10071209)**
380 RT. 2
PRESTON, CT 06065

SITE NUMBER:

876360

POD NUMBER:

20-66865

DRAWN BY:

TAI

CHECKED BY:

JGC

DATE:

07/15/2020

SHEET TITLE:


PLAN VIEW

S-01


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

- NOTES:
- ANTENNAE & OTHER SECTORS NOT SHOWN FOR CLARITY.
 - EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR


PLANS PREPARED FOR:

**CROWN
CASTLE**

PLANS PREPARED BY:

**POD**
POWER OF DESIGN
1033 E. TURKEYFOOT LANE RD.
SUITE 200
DENVER, CO 80202
303.961.7432

CARRIER:

**AT&T**

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CASTLE.

MODIFICATION DRAWING

REV.	DATE	DESCRIPTION

SITE INFORMATION:

**PRESTON / TOWN HALL
(10071209)**
380 RT. 2
PRESTON, CT 06065

SITE NUMBER:

876360

POD NUMBER:

20-66885

DRAWN BY:

TAJ

CHECKED BY:

JGC

DATE:

07/15/2020

SHEET TITLE:

ELEVATION VIEW

S-02

The diagram is an elevation view of a tower structure. It shows a central vertical axis with various horizontal members. Key components and dimensions include:

- Dimensions:** Horizontal spacing of 1'-4" and 2'-7" is shown. Vertical dimensions of 4'-8" and 4'-0" are indicated.
- Proposed Components:** "PROPOSED HANDRAIL KIT, SITEPRO1 P/N: HRK12-3HD" and "EXISTING MOUNT PIPE (TYP.)".
- Existing Components:** "EXISTING MONOPOLE TOWER" and "EXISTING FACE MEMBER (TYP.)".
- Notes:** "PROPOSED 1/2"x6" U-BOLT (TYP. OF 2 PER SECTOR, 6 TOTAL) (CONTRACTOR SHALL CONNECT TO EXISTING CROSSOVER PLATES) (EXISTING CROSSOVER PLATES ARE TO BE MOVED TO FIT PROPOSED MOUNT PIPE SPACING)".
- Scale:** 1/2" = 1'-0".

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

Exhibit E

Power Density/RF Emissions Report

Fullerton Engineering Consultants, LLC.

RF Engineering & Consultant Services

Radio Frequency Emissions Analysis Report

AT&T Existing Facility

Site ID: CT5721

Project Type: AT&T LTE 5C

Preston South East
389 Route 2
Preston, CT 06365

July 10, 2020

Fullerton Project Number: 2020.0182.0011

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	14.35 %

Fullerton Engineering Consultants, LLC.

RF Engineering & Consultant Services

July 10, 2020

Crown Castle on Behalf of AT&T
Attn: Anne Marie Zsamba, Site Acquisition Specialist
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

Emissions Analysis for Site: **CT5721 – Preston South East**

Fullerton Engineering Consultants, LLC (“Fullerton”) was directed to analyze the proposed upgrades to the AT&T facility located at **389 Route 2, Preston, CT**, for the purpose of determining whether the emissions from the proposed AT&T antenna installation located on this property are within specified federal limits.

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

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

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

Population exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limits for the 700 MHz & 850 MHz bands are approximately $467 \mu\text{W}/\text{cm}^2$ and $567 \mu\text{W}/\text{cm}^2$ respectively. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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

Additional details can be found in FCC OET 65.

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CALCULATIONS

Calculations were performed for the proposed upgrades to the AT&T antenna facility located at **389 Route 2, Preston, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since AT&T is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB for directional panel antennas, was focused at the base of the tower. For this report, the sample point is the top of a 6-foot person standing at the base of the tower.

Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. All power values expressed and analyzed are maximum power levels expected to be used on all radios.

All emissions values for additional carriers were taken from the Connecticut Siting Council (CSC) active MPE database. Values in this database are provided by the individual carriers themselves.

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

Technology	Frequency Band	Channel Count	Transmit Power per Channel (W)
UMTS	850 MHz	1	20
LTE	700 MHz (Band 14)	4	40
LTE	700 MHz (Band 12)	4	40
LTE / 5G NR	850 MHz	4	40

Table 1: Channel Data Table

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The following antennas listed in *Table 2* were used in the modeling for transmission in the 700 MHz and 850 MHz frequency bands. This is based on feedback from the carrier with regards to anticipated antenna selection. Maximum gain values for all antennas are listed in the Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB for directional panel antennas, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	1	Powerwave 7770	118
A	2	CCI OPA-65R-BU8DA	118
A	3	CCI DMP65R-BU8D	118
B	1	Powerwave 7770	118
B	2	CCI OPA-65R-BU8DA	118
B	3	CCI DMP65R-BU8D	118
C	1	Powerwave 7770	118
C	2	CCI OPA-65R-BU8DA	118
C	3	CCI DMP65R-BU8D	118

Table 2: Antenna Data

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

Cable losses were factored in the calculations for this site. For each **700 MHz** Remote Radio Unit (RRU) there was **0.18 dB** of cable loss calculated into the system gains / losses for this site. For each **850 MHz** Remote Radio Unit (RRU) there was **0.20 dB** of cable loss calculated into the system gains / losses for this site. For each **850 MHz** ground mounted radio there was **0.86 dB** of cable loss calculated into the system gains / losses for this site. These values were calculated based upon the manufacturers specifications for **10 feet** of **1/2"** coax for all Remote Radio Units (RRU) and **140 feet** of **1-5/8"** for all ground mounted radios.

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RESULTS

Per the calculations completed for the proposed AT&T configurations *Table 3* shows resulting emissions power levels and percentages of the FCC's allowable general population limit.

Antenna ID	Antenna Make / Model	Frequency Bands	Antenna Gain (dBd)	Channel Count	Total TX Power (W)	ERP (W)	MPE %
Antenna A1	Powerwave 7770	850 MHz	11.4	1	20	226.48	0.11
Antenna A2	CCI OPA-65R-BU8DA	700 MHz (Band 14)	13.15	4	160	3,170.44	1.95
Antenna A3	CCI DMP65R-BU8D	700 MHz (Band 12) / 850 MHz	12.95 / 13.85	8	320	6,735.58	3.73
Sector A Composite MPE%							5.79
Antenna B1	Powerwave 7770	850 MHz	11.4	1	20	226.48	0.11
Antenna B2	CCI OPA-65R-BU8DA	700 MHz (Band 14)	13.15	4	160	3,170.44	1.95
Antenna B3	CCI DMP65R-BU8D	700 MHz (Band 12) / 850 MHz	12.95 / 13.85	8	320	6,735.58	3.73
Sector B Composite MPE%							5.79
Antenna C1	Powerwave 7770	850 MHz	11.4	1	20	226.48	0.11
Antenna C2	CCI OPA-65R-BU8DA	700 MHz (Band 14)	13.15	4	160	3,170.44	1.95
Antenna C3	CCI DMP65R-BU8D	700 MHz (Band 12) / 850 MHz	12.95 / 13.85	8	320	6,735.58	3.73
Sector C Composite MPE%							5.79

Table 3: AT&T Emissions Levels

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The Following table (*table 4*) shows all additional carriers on site and their MPE% as recorded in the CSC active MPE database for this facility along with the newly calculated maximum AT&T MPE contributions per this report. FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site MPE values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. For this site, all three sectors have the same configuration yielding the same results on all three sectors. *Table 5* below shows a summary for each AT&T Sector as well as the composite MPE value for the site.

Site Composite MPE%	
Carrier	MPE%
AT&T – Max Per Sector Value	5.79 %
MetroPCS	0.44 %
T-Mobile	2.66 %
Verizon Wireless	3.09 %
Sprint	2.37 %
Site Total MPE %:	14.35 %

Table 4: All Carrier MPE Contributions

AT&T Sector A Total:	5.79 %
AT&T Sector B Total:	5.79 %
AT&T Sector C Total:	5.79 %
Site Total:	14.35 %

Table 5: Site MPE Summary

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FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site MPE values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. *Table 6* below details a breakdown by frequency band and technology for the MPE power values for the maximum calculated AT&T sector(s). For this site, all three sectors have the same configuration yielding the same results on all three sectors.

AT&T _ Frequency Band / Technology Max Power Values (Per Sector)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
AT&T 850 MHz UMTS	1	226.48	118	0.65	850 MHz	567	0.11%
AT&T 700 MHz LTE (Band 14)	4	792.61	118	9.09	700 MHz	467	1.95%
AT&T 700 MHz LTE (Band 12)	4	756.94	118	8.68	700 MHz	467	1.86%
AT&T 850 MHz LTE / 5G NR	4	926.96	118	10.63	850 MHz	567	1.87%
						Total:	5.79%

Table 6: AT&T Maximum Sector MPE Power Values

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Summary

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

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

AT&T Sector	Power Density Value (%)
Sector A:	5.79 %
Sector B:	5.79 %
Sector C:	5.79 %
AT&T Maximum Total (per sector):	5.79 %
Site Total:	14.35 %
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **14.35 %** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

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



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