300 Meridian Centre
Rochester, NY 14618

December 16, 2019

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

RE: **Notice of Exempt Modification for Verizon**
Crown Castle site ID#: 876334
625 Spring Street, Southington CT 06489
Lat: 41° -37' 56.9"/ Long: -72° -53' 39.3"

Dear Ms. Bachman:

Verizon currently maintains twelve (12) total antennas at the 133-foot mount on the existing 160-foot monopole tower, located at 625 Spring Street in Southington. Crown Castle owns both the tower and the property. Verizon now intends to add three (3) antennas to the existing configuration at the 133-foot mount.

Tower modifications:

- Add three (3) CBRS "clip on" antennas
- Add three (3) CBRS RRHs

Ground modifications:

- None

Melanie A. Bachman

This facility was approved by the Town of Southington Planning and Zoning Department on May 18, 1998. There were no conditions listed in the 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 Mark J. Sciota, Town Manager of Southington, as well as the Town of Southington Planning and Zoning Department.

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

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

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

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

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

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

For the foregoing reasons, Verizon 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 my attention at the address listed below.

Sincerely,

Richard Zajac
Network Real Estate Specialist
300 Meridian Centre
Rochester, NY 14618
585-445-5896
richard.zajac@crowncastle.com

Melanie A. Bachman

cc:

Mr. Mark J. Sciota-Town Manager
Town of Southington
75 Main Street
Southington, CT 06489
860-276-6200

Planning and Zoning Department
Town of Southington
196 North Main Street - Municipal Center
Southington, CT 06489
860-276-6248

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

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1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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Exhibit A

Original Facility Approval

3/11/98 OK #10 03 SMM

PLANNING AND ZONING DEPARTMENT

P.O. BOX 610 • SOUTHINGTON, CONN. 06489 • 203/276-6248

TOWN FEE: $10.00
STATE FEE: $10.00
TOTAL FEE: $20.00

Z.P. # 5625

ZONING PERMIT APPLICATION

Applicant (please print):	Owner (please print):
~~Sprint PCS~~	Josephine Smoron
~~9 Barnes Industrial Road~~	55 Smoron Drive
~~Wallingford, CT. 06492~~	Southington, CT. 06489
Telephone: 203-294-5676	Telephone: ~~860-628-6243~~

Address of Property: 625 Spring Street Zone: R-40
Utilities: Sewer N/A Septic System N/A Well N/A Town Water N/A

Proposed Activity: install Telecommunication Facility
Does proposed activity entail construction or land alteration within 50 feet of a wetland/wet area/waterbody? Yes X No ____

Date of following approvals: Special Permit* 12/9/97 Subdivision ____
Site Plan 12/9/97 Inland/Wetland 12/2/97 Filling of Floodplain ____
Variance ____ Special Exception* ____ Home Occupation* ____
Expansion of Non-Conforming Use* ____

Submit 7 set of plans. * NOTE: Provide one copy each of certain approval letters stamped by the Town Clerk and noting the volume and page number of the approval in the land records.

OFFICE USE ONLY	Approved	Denied
Planner/Inland Wetlands:	5/18/98	
Zoning Officer:	5/18/98	
Town Engineer:	5/15/98	
Water Department:	—	
Health Department:	—	

Approved for Zoning Permit. A copy of this approval shall be presented to the Building Official prior to issuance of a Building Permit.

[signature] 5/18/98
Zoning Enforcement Officer / Date

CERTIFICATE OF ZONING COMPLIANCE Z.P. # ____
I hereby certify that all improvements were installed in compliance with the Zoning Permit.

	Approved	Denied
Planner/Inland Wetlands:		
Zoning Officer:		
Town Engineer:		
Water Department:		
Health Department:		

Approved for Certificate of Zoning Compliance. A copy of this approval shall be presented to the Building Official prior to issuance of a Certificate of Occupancy.

1/94

Zoning Enforcement Officer Date

** I have received a copy of the ordinance requiring the fencing of pools
Signed ____
Print ____

Exhibit B

Property Card

625 SPRING ST

Location	625 SPRING ST	**Mblu**	168/ / 020/ /
Acct#	19111	**Owner**	GLOBAL SIGNAL ACQUISITIONS II LLC
Assessment	$160,910	**Appraisal**	$229,870
PID	15908	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2016	$23,750	$206,120	$229,870
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2016	$16,630	$144,280	$160,910

Owner of Record

Owner	GLOBAL SIGNAL ACQUISITIONS II LLC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	4017 WASHINGTON RD PMB 331 CANONSBURG, PA 15317	**Book & Page**	0788/0214
		Sale Date	04/25/2001

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
GLOBAL SIGNAL ACQUISITIONS II LLC	$0		0788/0214	04/25/2001

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Building Percent Good:

Building Attributes	
Field	**Description**
Style	Vacant w/OB
Model	

Building Photo

Building Photo
(http://images.vgsi.com/photos2/SouthingtonCTPhotos//\00\05\

Building Layout

(http://images.vgsi.com/photos2/SouthingtonCTPhotos//Sketche

Building Sub-Areas (sq ft)	Legend

Grade:	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Total Kitchens	
Fireplaces	
Whirlpool Tubs	
Usrfld 104	
Fin Bsmt Area	
Fin Bsmt Quality	
Usrfld 107	
Bsmt Garages	
.	
Usrfld 108	
Bsmt Type	
Attic Type	
Cath Ceiling	
Usrfld 300	
Usrfld 301	

No Data for Building Sub-Areas

Extra Features

Extra Features	Legend

No Data for Extra Features

Land

Land Use

Use Code	438
Description	Cell Site
Zone	R-40
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	1.62
Depth	

Outbuildings

Outbuildings					Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Bldg #**
FN5	Fence-10'Chain			233.00 L.F.	1
SHD5	Cell Shed			360.00 units	1
SHD5	Cell Shed			240.00 units	1
SHD5	Cell Shed			180.00 units	1

Valuation History

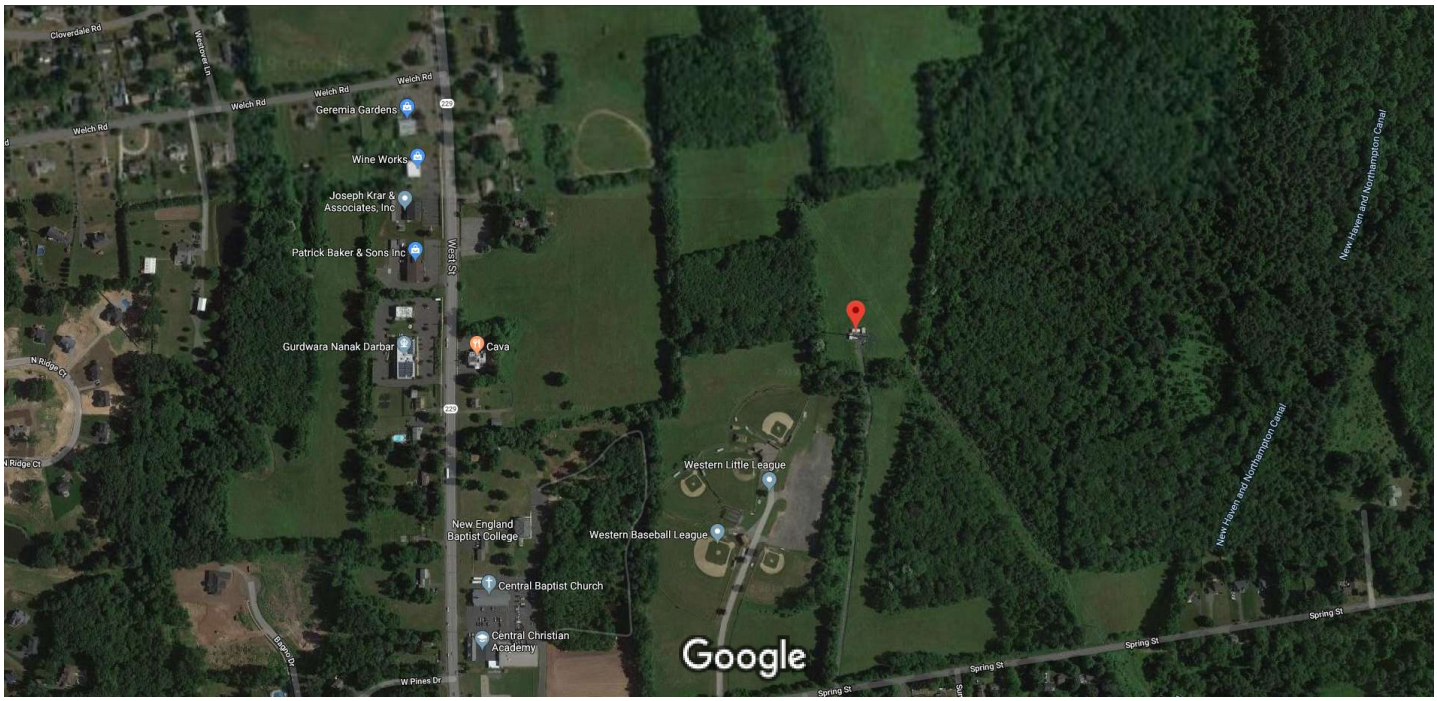
Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$23,750	$206,120	$229,870
2017	$3,500	$206,120	$209,620
2016	$3,500	$206,120	$209,620
2015	$3,500	$206,120	$209,620
2014	$3,500	$181,770	$185,270

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$16,630	$144,280	$160,910
2017	$2,450	$144,280	$146,730
2016	$2,450	$144,280	$146,730
2015	$2,450	$144,280	$146,730
2014	$2,450	$127,240	$129,690

Google Maps

41°37'56.9"N 72°53'39.3"W

Crown Castle tower location



Imagery ©2019 Maxar Technologies, U.S. Geological Survey, USDA Farm Service Agency, Map data ©2019 200 ft

41°37'56.9"N 72°53'39.3"W

41.632472, -72.894250

Directions | Save | Nearby | Send to your phone | Share

Southington School District, Southington, CT

J4J4+X8 Southington, Connecticut

Exhibit C

Construction Drawings

verizon

SOUTHINGTON CT
625 SPRING ST
SOUTHINGTON, CT 06489

PROJECT SUMMARY

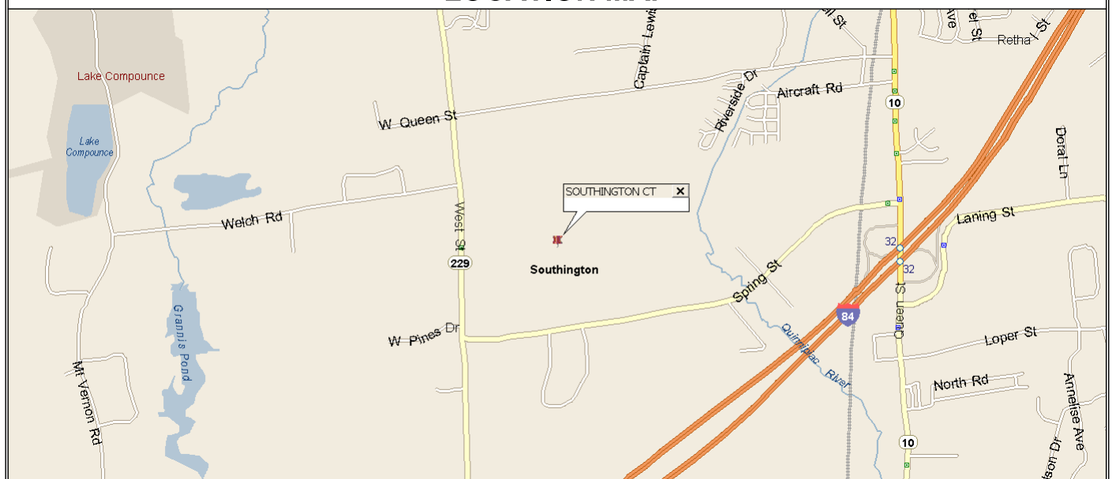
SITE NAME:	SOUTHINGTON CT
SITE ADDRESS:	625 SPRING ST SOUTHINGTON, CT 06489
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DR CANONSBURG, PA 15317
BU NUMBER:	876334
MAP NUMBER:	168
LOT NUMBER:	020
CUSTOMER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE WALLINGFORD, CT 06492
CONTACT:	ANDREW LEONE (617) 620-4175
NAD83	
LATITUDE:	41° 37' 56.9" N
LONGITUDE:	72° 53' 39.3" W
ELEVATION:	295'
CURRENT ZONING:	R-40
A&E FIRM:	B+T GROUP 1717 S. BOULDER, SUITE 300 TULSA, OK 74119 MIKE OAKES (918) 587-4630
OCCUPANCY TYPE:	UNMANNED
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

CODE COMPLIANCE

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

CODE TYPE	CODE
BUILDING	2018 CT SBC (2015 IBC)
STRUCTURAL	2018 CT SBC (2015 IBC)
MECHANICAL	2018 CT SBC (2015 IMC)
ELECTRICAL	NEC 2017

LOCATION MAP



NO SCALE

DRIVING DIRECTIONS

DEPART BRADLEY INTERNATIONAL AIRPORT ON TERMINAL RD. ROAD NAME CHANGES TO BRADLEY FIELD CONNECTOR. ROAD NAME CHANGES TO CT-20 [BRADLEY FIELD CONNECTOR]. TAKE RAMP (RIGHT) ONTO I-91 [RICHARD P HORAN MEMORIAL HWY]. AT EXIT 32A-32B, TURN RIGHT ONTO RAMP. TAKE RAMP (LEFT) ONTO I-84 [US-6]. AT EXIT 32, TURN RIGHT ONTO RAMP. TURN LEFT ONTO CT-10 [QUEEN ST], THEN IMMEDIATELY TURN LEFT ONTO SPRING ST. TURN RIGHT ONTO ACCESS ROAD AND ARRIVE AT SOUTHINGTON CT.

DRAWING INDEX

SHEET #	SHEET DESCRIPTION	REV. #
T-1	TITLE SHEET	1
A-1	COMPOUND PLAN AND TOWER ELEVATION	1
A-2	EQUIPMENT DETAILS	1

A/E DOCUMENT REVIEW STATUS

TITLE	SIGNATURE	DATE
OWNER:		
R.F. ENGINEER:		
CONSTRUCTION MGR.:		
LEASING & ZONING:		
VERIZON WIRELESS:		

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

DO NOT SCALE DRAWINGS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11x17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CALL CONNECTICUT ONE CALL
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811

B+T GRP

verizon
400 FRIBERG PARKWAY
WESTBOROUGH, MA 01581
PH: (508) 330-3300

SOUTHINGTON CT
625 SPRING ST
SOUTHINGTON, CT 06489
EXISTING MONOPOLE

PROJECT NO:	127834.002.01
CHECKED BY:	GEH

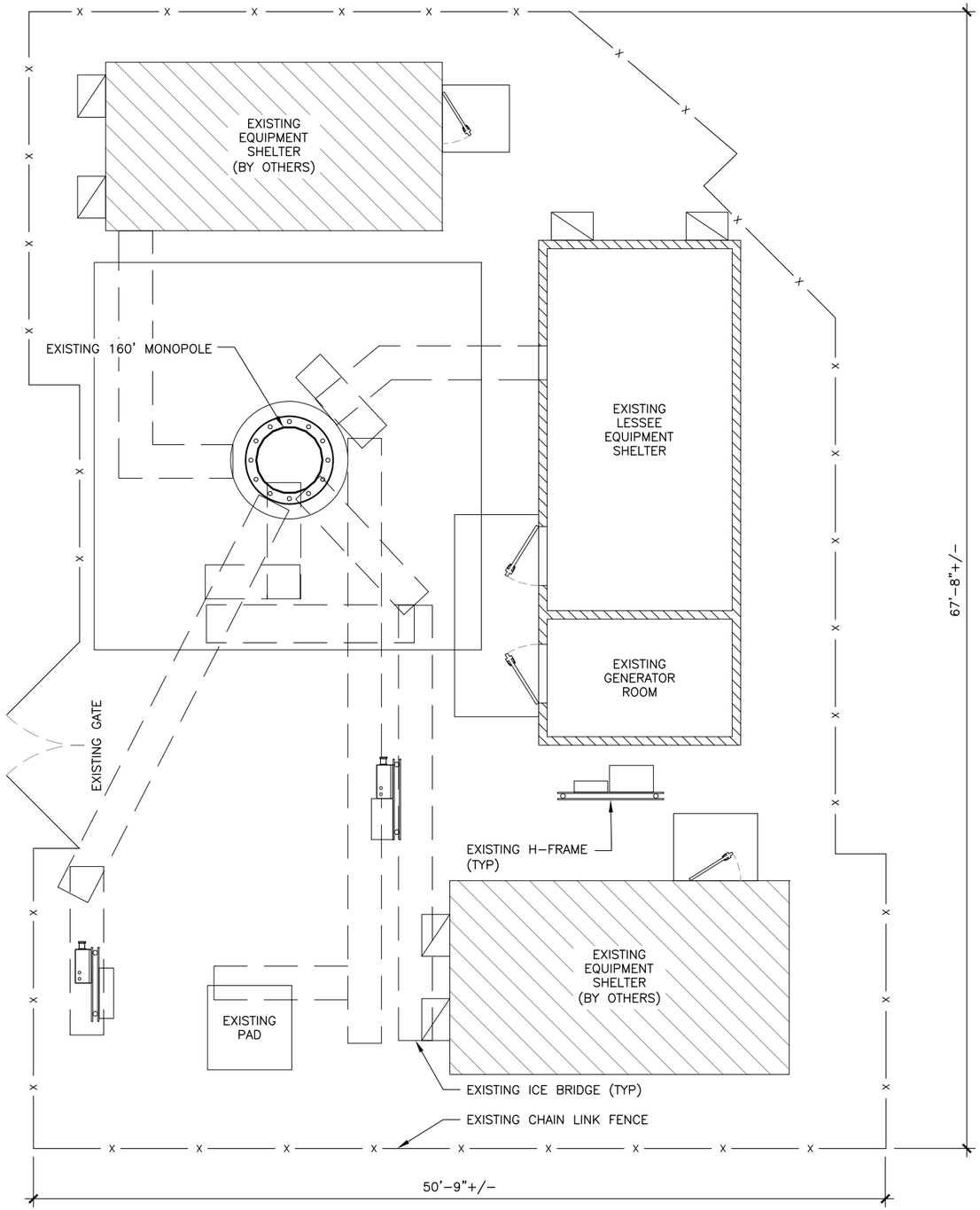
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	11/12/19	MLC	CONSTRUCTION
1	12/12/19	MLC	CONSTRUCTION

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/20

STATE OF CONNECTICUT
31627
LICENSED PROFESSIONAL ENGINEER
12/12/19

SHEET NUMBER: T-1
REVISION: 1

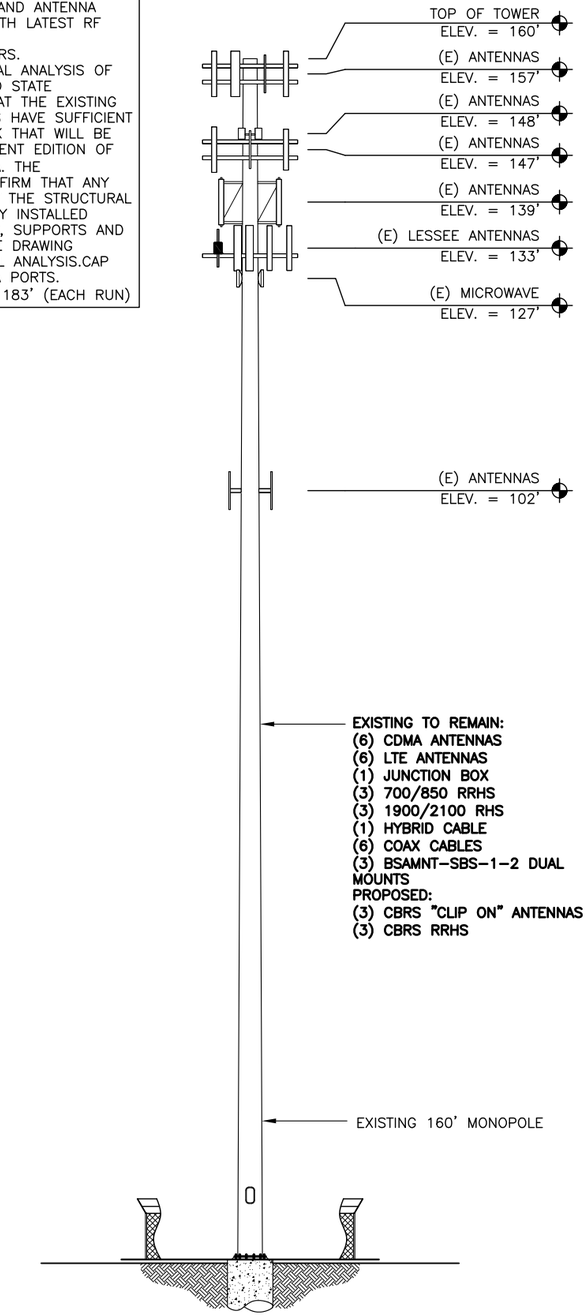


1 COMPOUND PLAN

SCALE: 0' 1' 4' 8' 20'

N

NOTES:
1. CONTRACTOR TO VERIFY EXACT COAX AND ANTENNA INSTALLATION AND ANTENNA HEIGHT WITH LATEST RF DATA SHEETS PRIOR TO INSTALLATION.
2. STRUCTURAL ANALYSIS DONE BY OTHERS.
3. VERIZON SHALL PROVIDE A STRUCTURAL ANALYSIS OF THE TOWER PREPARED BY A LICENSED STATE STRUCTURAL ENGINEER CERTIFYING THAT THE EXISTING TOWER AND PROPOSED IMPROVEMENTS HAVE SUFFICIENT CAPACITY TO SUPPORT ALL NEW WORK THAT WILL BE DONE IN COMPLIANCE WITH THE CURRENT EDITION OF BUILDING CODES AND EIA/TIA CRITERIA. THE CONTRACTOR IS RESPONSIBLE TO CONFIRM THAT ANY AND ALL IMPROVEMENTS REQUIRED BY THE STRUCTURAL ANALYSIS CERTIFICATION ARE PROPERLY INSTALLED PRIOR TO THE ADDITION OF ANTENNAS, SUPPORTS AND APPURTENANCES PROPOSED ON THESE DRAWING OTHERWISE NOTED IN THE STRUCTURAL ANALYSIS.CAP AND WEATHERPROFF UNUSED ANTENNA PORTS.
4. ESTIMATED HYBRIFLEX CABLE LENGTH: 183' (EACH RUN)



2 FINAL TOWER ELEVATION

SCALE: 0' 10' 20' 30' 40' 1"=20'

B+T GRP

verizon

400 FRIBERG PARKWAY
WESTBOROUGH, MA 01581
PH: (508) 330-3300

SOUTHINGTON CT

625 SPRING ST
SOUTHINGTON, CT 06489

EXISTING MONOPOLE

PROJECT NO:	127834.002.01
CHECKED BY:	GEH

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	11/12/19	MLC	CONSTRUCTION
1	12/12/19	MLC	CONSTRUCTION

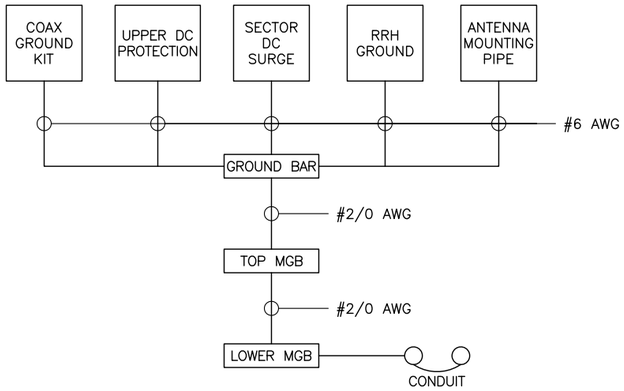
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/20

STATE OF CONNECTICUT * 31627 LICENSED PROFESSIONAL ENGINEER *

12/12/19

SHEET NUMBER:	REVISION:
A-1	1

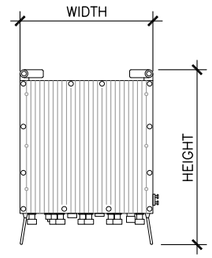
NOTE:
1. INSTALL ALL EQUIPMENT, MOUNTING BRACKETS AND HARDWARE ACCORDING WITH MANUFACTURE'S RECOMMENDATIONS.
2. GROUND DISTRIBUTION BOXES, MOUNTING PIPES AND RRHs IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
3. INSTALLED EQUIPMENT AND MOUNTING BRACKETS SHALL NOT INTERFERE WITH CLIMBING ACCESS NOR ANT INSTALLED SAFETY DEVICES.
4. EQUIPMENT TO BE INSTALLED AT VERIZON'S RAD. CENTER IN ACCORDANCE WITH TOWER STRUCTURAL ANALYSIS (ANALYSIS BY OTHERS).



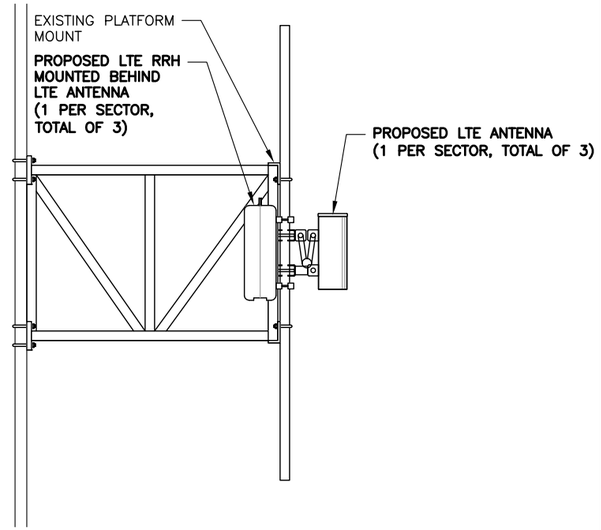
NOTE:
1. BOND ANTENNA GROUNDING KIT CABLES TO TOP CIBE.
2. BOND ANTENNA GROUNDING KIT CABLE TO BOTTOM CIBE.
3. TYPICAL FOR ALL SECTORS.

1 GROUNDING SCHEMATIC DIAGRAM
SCALE: N.T.S.

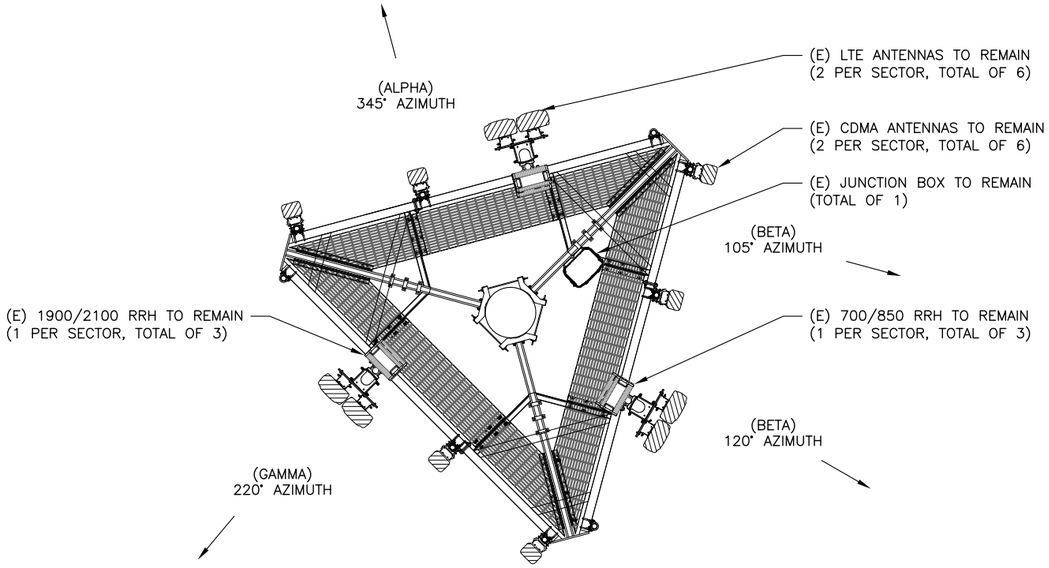
REMOTE RADIO HEAD DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
CBRS RT4401-48A	12.1"	8.5"	4.1"	18.6 LBS



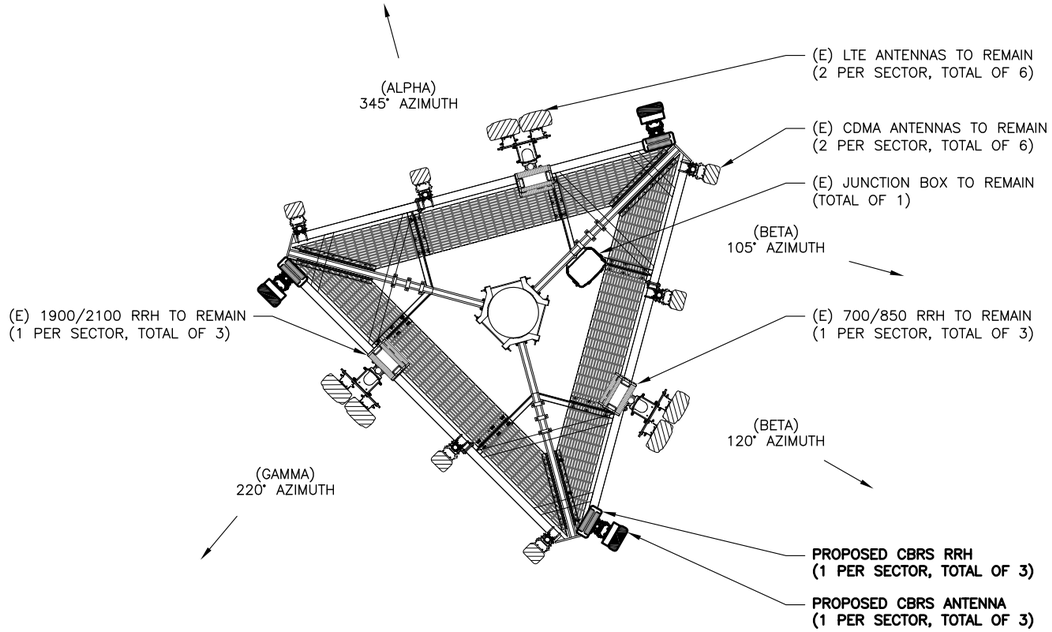
2 RRH SPECIFICATIONS
SCALE: N.T.S.



3 ANTENNA MOUNTING DETAIL
SCALE: N.T.S.



4 EXISTING ANTENNA ORIENTATION
SCALE: N.T.S.



5 PROPOSED ANTENNA ORIENTATION
SCALE: N.T.S.

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verizon

400 FRIBERG PARKWAY
WESTBOROUGH, MA 01581
PH: (508) 330-3300

SOUTHINGTON CT

625 SPRING ST
SOUTHINGTON, CT 06489

EXISTING MONOPOLE

PROJECT NO:	127834.002.01
CHECKED BY:	GEH

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	11/12/19	MLC	CONSTRUCTION
1	12/12/19	MLC	CONSTRUCTION

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/20

SHEET NUMBER:	REVISION:
A-2	1

Exhibit D

Structural Analysis Report

Date: **November 04, 2019**

Amanda D Brown
Crown Castle
3530 Toringdon Way
Charlotte, NC 28277

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

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Carrier Site Number:	NG20702
	Carrier Site Name:	SOUTHINGTON CT
Crown Castle Designation:	**Crown Castle BU Number:**	876334
	Crown Castle Site Name:	SOUTHINGTON, SMORON
	Crown Castle JDE Job Number:	592728
	Crown Castle Work Order Number:	1803023
	Crown Castle Order Number:	506800 Rev. 0
Engineering Firm Designation:	**Crown Castle Project Number:**	1803023
Site Data:	**625 Spring Street, SOUTHINGTON, Hartford County, CT** **Latitude *41° 37' 56.9"*, Longitude *-72° 53' 39.3"*** **160 Foot - Monopole Tower**	

Dear Amanda D Brown,

Crown Castle is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

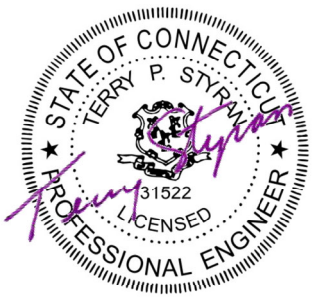
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC5: Proposed Equipment Configuration **Sufficient Capacity - 86.7%**

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

Structural analysis prepared by: Matthew Schmitt / NMC

Respectfully submitted by:



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

11/4/2019

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 160 ft monopole tower designed by Summit. 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:	125 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	2 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)
132.0	134.0	6	antel	BXA-80080-6CF-EDIN-X w/ Mount Pipe	6 1	1-5/8 1-1/4
	133.0	6	andrew	SBNHH-1D65B w/ Mount Pipe		
		1	rfs celwave	DB-C1-12C-24AB-0Z		
		3	samsung telecommunications	20W CBRS		
		3	samsung telecommunications	CBRS w/ Mount Pipe		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
	132.0	1	tower mounts	Pipe Mount [PM 602-3]		
		1	tower mounts	Platform Mount [LP 715-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
156.0	157.0	2	andrew	SBNH-1D6565C w/ Mount Pipe	8 6 2 3	1-5/8 3/4 3/8 Conduit
		2	cci antennas	TPA-65R-LCUUUU-H8 w/ Mount Pipe		
		3	communication components inc.	DTMABP7819VG12A		
		3	ericsson	RRUS 11		
		3	ericsson	RRUS 12		
		3	ericsson	RRUS 32		
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 32 B66		
		3	ericsson	RRUS 4478 B14		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		1	kathrein	80010798 w/ Mount Pipe		
		1	kathrein	80010965 w/ Mount Pipe		
		2	kathrein	80010966 w/ Mount Pipe		
		1	kmw communications	AM-X-CD-16-65-00T-RET w/ Mount Pipe		
		1	raycap	DC6-48-60-0-8F		
		2	raycap	DC6-48-60-18-8F		
	156.0	1	tower mounts	Sector Mount [SM 502-3]		
148.0	148.0	3	alcatel lucent	800MHz 2X50W RRH W/FILTER	-	-
		6	alcatel lucent	PCS 1900MHz 4x45W-65MHz		
		1	tower mounts	Side Arm Mount [SO 103-3]		
146.0	147.0	3	alcatel lucent	TD-RRH8x20-25	4	1-1/4
		1	rfs celwave	APXV9ERR18-C-A20 w/ Mount Pipe		
		2	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe		
		3	rfs celwave	APXVTM14-C-120 w/ Mount Pipe		
	146.0	1	crown mounts	Platform Mount [LP 1201-1]		
		3	rfs celwave	IBC1900BB-1		
		3	rfs celwave	IBC1900HG-2A		
		1	tower mounts	Miscellaneous [NA 510-1]		
139.0	139.0	3	rfs celwave	APXV18-206517S-C	6	1-5/8
		1	tower mounts	Pipe Mount [PM 501-3]		
129.0	130.0	3	dragonwave	HORIZON COMPACT	3	1/2
	129.0	1	tower mounts	Side Arm Mount [SO 104-3]		
	127.0	1	andrew	VHLP2-18		
		2	andrew	VHLP800-11		
101.0	102.0	1	symmetricom	58532A	1	1/2
	101.0	1	tower mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-TOWER MANUFACTURER DRAWINGS	Paul J. Ford and Company	1614569	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	Paul J. Ford and Company	1999756	CCISITES
4-GEOTECHNICAL REPORTS	FDH	1530919	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	Paul J. Ford and Company	2588177	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	Paul J. Ford and Company	3363885	CCISITES

Document	Remarks	Reference	Source
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	FDH	5288062	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	FDH	5755362	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	FDH	6249238	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	Jacobs	6962729	CCISITES
4-POST-MODIFICATION INSPECTION	Paul J. Ford and Company	2588175	CCISITES
4-POST-MODIFICATION INSPECTION	TEP	3794196	CCISITES
4-POST-MODIFICATION INSPECTION	TEP	5570676	CCISITES
4-POST-MODIFICATION INSPECTION	FDH	5888770	CCISITES
4-POST-MODIFICATION INSPECTION	ETS	6544953	CCISITES
4-POST-MODIFICATION INSPECTION	ETS	7104038	CCISITES

3.1) Analysis Method

tnxTower (version 8.0.5.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A.

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

3.2) Assumptions

1) Tower and structures were built and maintained in accordance with the manufacturer's specifications.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP16x16x0.375	Pole	6.5%	Pass
155 - 150	Pole	TP16x16x0.375	Pole	22.9%	Pass
150 - 146	Pole	TP16x16x0.375	Pole	38.4%	Pass
146 - 141	Pole	TP22.924x22x0.25	Pole	29.5%	Pass
141 - 136	Pole	TP23.848x22.924x0.25	Pole	40.0%	Pass
136 - 131	Pole	TP24.772x23.848x0.25	Pole	52.0%	Pass
131 - 126	Pole	TP25.696x24.772x0.25	Pole	66.0%	Pass
126 - 121	Pole	TP26.62x25.696x0.25	Pole	79.3%	Pass
121 - 120.1	Pole	TP26.786x26.62x0.25	Pole	81.5%	Pass

120.1 - 119.85	Pole + Reinf.	TP26.833x26.786x0.4875	Reinf. 21 Tension Rupture	57.0%	Pass
119.85 - 117.5	Pole + Reinf.	TP27.267x26.833x0.4875	Reinf. 21 Tension Rupture	61.1%	Pass
117.5 - 117.25	Pole + Reinf.	TP27.313x27.267x0.5	Reinf. 22 Tension Rupture	56.9%	Pass
117.25 - 115.5	Pole + Reinf.	TP27.637x27.313x0.5	Reinf. 22 Tension Rupture	59.7%	Pass
115.5 - 115.25	Pole + Reinf.	TP27.683x27.637x0.6625	Reinf. 1 Tension Rupture	52.7%	Pass
115.25 - 110.25	Pole + Reinf.	TP28.607x27.683x0.65	Reinf. 1 Tension Rupture	59.6%	Pass
110.25 - 107.5	Pole + Reinf.	TP29.808x28.607x0.6375	Reinf. 1 Tension Rupture	63.2%	Pass
107.5 - 102.5	Pole + Reinf.	TP29.074x28.082x0.7125	Reinf. 1 Tension Rupture	66.4%	Pass
102.5 - 100.5	Pole + Reinf.	TP29.471x29.074x0.7	Reinf. 1 Tension Rupture	68.6%	Pass
100.5 - 100.25	Pole + Reinf.	TP29.521x29.471x0.6375	Reinf. 21 Tension Rupture	70.2%	Pass
100.25 - 98.5	Pole + Reinf.	TP29.868x29.521x0.6375	Reinf. 21 Tension Rupture	72.0%	Pass
98.5 - 98.25	Pole + Reinf.	TP29.917x29.868x0.6625	Reinf. 23 Tension Rupture	68.9%	Pass
98.25 - 93.25	Pole + Reinf.	TP30.909x29.917x0.65	Reinf. 23 Tension Rupture	73.8%	Pass
93.25 - 90.5	Pole + Reinf.	TP31.455x30.909x0.65	Reinf. 23 Tension Rupture	76.4%	Pass
90.5 - 90.25	Pole + Reinf.	TP31.504x31.455x0.6875	Reinf. 23 Tension Rupture	75.4%	Pass
90.25 - 85.25	Pole + Reinf.	TP32.496x31.504x0.675	Reinf. 23 Tension Rupture	79.7%	Pass
85.25 - 83.5	Pole + Reinf.	TP32.843x32.496x0.6625	Reinf. 23 Tension Rupture	81.2%	Pass
83.5 - 83.25	Pole + Reinf.	TP32.893x32.843x0.9125	Reinf. 6 Tension Rupture	61.5%	Pass
83.25 - 80.75	Pole + Reinf.	TP33.389x32.893x0.9	Reinf. 6 Tension Rupture	63.2%	Pass
80.75 - 80.5	Pole + Reinf.	TP33.439x33.389x1.0625	Reinf. 6 Tension Rupture	51.9%	Pass
80.5 - 80.25	Pole + Reinf.	TP33.488x33.439x0.9875	Reinf. 11 Tension Rupture	55.9%	Pass
80.25 - 77.5	Pole + Reinf.	TP34.034x33.488x0.9625	Reinf. 11 Tension Rupture	57.6%	Pass
77.5 - 77.25	Pole + Reinf.	TP34.083x34.034x0.6875	Reinf. 11 Tension Rupture	80.6%	Pass
77.25 - 73	Pole + Reinf.	TP35.819x34.083x0.6875	Reinf. 11 Tension Rupture	83.8%	Pass
73 - 68	Pole + Reinf.	TP35.233x34.301x0.75	Reinf. 11 Tension Rupture	81.9%	Pass
68 - 64.25	Pole + Reinf.	TP35.932x35.233x0.7375	Reinf. 11 Tension Rupture	84.3%	Pass
64.25 - 64	Pole + Reinf.	TP35.978x35.932x0.875	Reinf. 7 Tension Rupture	74.4%	Pass
64 - 60.5	Pole + Reinf.	TP36.63x35.978x0.8625	Reinf. 7 Tension Rupture	76.4%	Pass
60.5 - 60.25	Pole + Reinf.	TP36.677x36.63x0.925	Reinf. 7 Tension Rupture	72.1%	Pass
60.25 - 60.1	Pole + Reinf.	TP36.705x36.677x0.925	Reinf. 7 Tension Rupture	72.2%	Pass
60.1 - 59.85	Pole + Reinf.	TP36.751x36.705x0.975	Reinf. 7 Tension Rupture	69.8%	Pass
59.85 - 59.1	Pole + Reinf.	TP36.891x36.751x0.975	Reinf. 7 Tension Rupture	70.2%	Pass
59.1 - 58.85	Pole + Reinf.	TP36.938x36.891x1.05	Reinf. 7 Tension Rupture	63.9%	Pass
58.85 - 55.4	Pole + Reinf.	TP37.581x36.938x1.025	Reinf. 7 Tension Rupture	65.6%	Pass
55.4 - 55.15	Pole + Reinf.	TP37.627x37.581x1.025	Reinf. 7 Tension Rupture	65.7%	Pass
55.15 - 54.75	Pole + Reinf.	TP37.702x37.627x1.025	Reinf. 7 Tension Rupture	65.9%	Pass
54.75 - 54.5	Pole + Reinf.	TP37.748x37.702x0.825	Reinf. 10 Tension Rupture	80.0%	Pass
54.5 - 49.5	Pole + Reinf.	TP38.68x37.748x0.8125	Reinf. 10 Tension Rupture	82.6%	Pass
49.5 - 44.5	Pole + Reinf.	TP39.612x38.68x0.8	Reinf. 10 Tension Rupture	85.1%	Pass

44.5 - 41.3	Pole + Reinf.	TP40.208x39.612x0.7875	Reinf. 10 Tension Rupture	86.7%	Pass
41.3 - 41.05	Pole + Reinf.	TP40.254x40.208x0.875	Reinf. 10 Tension Rupture	76.1%	Pass
41.05 - 39	Pole + Reinf.	TP41.568x40.254x0.875	Reinf. 10 Tension Rupture	76.9%	Pass
39 - 33	Pole + Reinf.	TP40.996x39.886x1.175	Reinf. 10 Tension Rupture	60.3%	Pass
33 - 31.5	Pole + Reinf.	TP41.274x40.996x1.175	Reinf. 10 Tension Rupture	60.8%	Pass
31.5 - 31.25	Pole + Reinf.	TP41.32x41.274x1.175	Reinf. 10 Tension Rupture	60.5%	Pass
31.25 - 30.5	Pole + Reinf.	TP41.459x41.32x1.175	Reinf. 10 Tension Rupture	60.8%	Pass
30.5 - 30.25	Pole + Reinf.	TP41.505x41.459x1.125	Reinf. 9 Tension Rupture	63.8%	Pass
30.25 - 25.75	Pole + Reinf.	TP42.337x41.505x1.1	Reinf. 9 Tension Rupture	65.4%	Pass
25.75 - 25.5	Pole + Reinf.	TP42.383x42.337x1.075	Reinf. 9 Tension Rupture	69.1%	Pass
25.5 - 24.7	Pole + Reinf.	TP42.531x42.383x1.075	Reinf. 9 Tension Rupture	69.4%	Pass
24.7 - 24.45	Pole + Reinf.	TP42.578x42.531x0.95	Reinf. 9 Tension Rupture	76.1%	Pass
24.45 - 24	Pole + Reinf.	TP42.661x42.578x0.95	Reinf. 9 Tension Rupture	76.3%	Pass
24 - 23.75	Pole + Reinf.	TP42.707x42.661x1.2	Reinf. 9 Tension Rupture	61.7%	Pass
23.75 - 18.75	Pole + Reinf.	TP43.632x42.707x1.175	Reinf. 9 Tension Rupture	63.4%	Pass
18.75 - 14.1	Pole + Reinf.	TP44.492x43.632x1.15	Reinf. 9 Tension Rupture	65.0%	Pass
14.1 - 13.8	Pole + Reinf.	TP44.547x44.492x1.175	Reinf. 9 Tension Rupture	63.4%	Pass
13.8 - 13.65	Pole + Reinf.	TP44.575x44.547x1.175	Reinf. 9 Tension Rupture	63.4%	Pass
13.65 - 10.5	Pole + Reinf.	TP45.158x44.575x1.175	Reinf. 9 Tension Rupture	64.4%	Pass
10.5 - 10.25	Pole + Reinf.	TP45.204x45.158x1.175	Reinf. 9 Tension Rupture	64.5%	Pass
10.25 - 5.25	Pole + Reinf.	TP46.129x45.204x1.15	Reinf. 9 Tension Rupture	66.1%	Pass
5.25 - 3	Pole + Reinf.	TP46.545x46.129x1.125	Reinf. 9 Tension Rupture	66.8%	Pass
3 - 2.9	Pole + Reinf.	TP46.564x46.545x1.0875	Reinf. 9 Tension Rupture	68.9%	Pass
2.9 - 2.75	Pole + Reinf.	TP46.591x46.564x1.025	Reinf. 9 Tension Rupture	76.1%	Pass
2.75 - 2.65	Pole + Reinf.	TP46.61x46.591x1.025	Reinf. 9 Tension Rupture	76.2%	Pass
2.65 - 2.5	Pole + Reinf.	TP46.638x46.61x1.025	Reinf. 9 Tension Rupture	76.2%	Pass
2.5 - 2.25	Pole + Reinf.	TP46.684x46.638x1	Reinf. 18 Tension Yield	69.9%	Pass
2.25 - 1.9	Pole + Reinf.	TP46.749x46.684x1	Reinf. 18 Tension Yield	69.9%	Pass
1.9 - 1.65	Pole + Reinf.	TP46.795x46.749x0.95	Reinf. 18 Tension Yield	71.7%	Pass
1.65 - 0	Pole + Reinf.	TP47.1x46.795x0.95	Reinf. 18 Tension Yield	72.1%	Pass
				Summary	
			Pole	81.5%	Pass
			Reinforcement	86.7%	Pass
			Overall	86.7%	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Flange Bolts	146	61.3	Pass
1	Flange Plates		66.5	Pass
1	Anchor Rods	0	82.4	Pass
1	Base Plate		63.0	Pass
1	Base Foundation Structure	0	66.8	Pass
1	Base Foundation Soil Interaction		82.1	Pass

Structure Rating (max from all components) =	86.7%

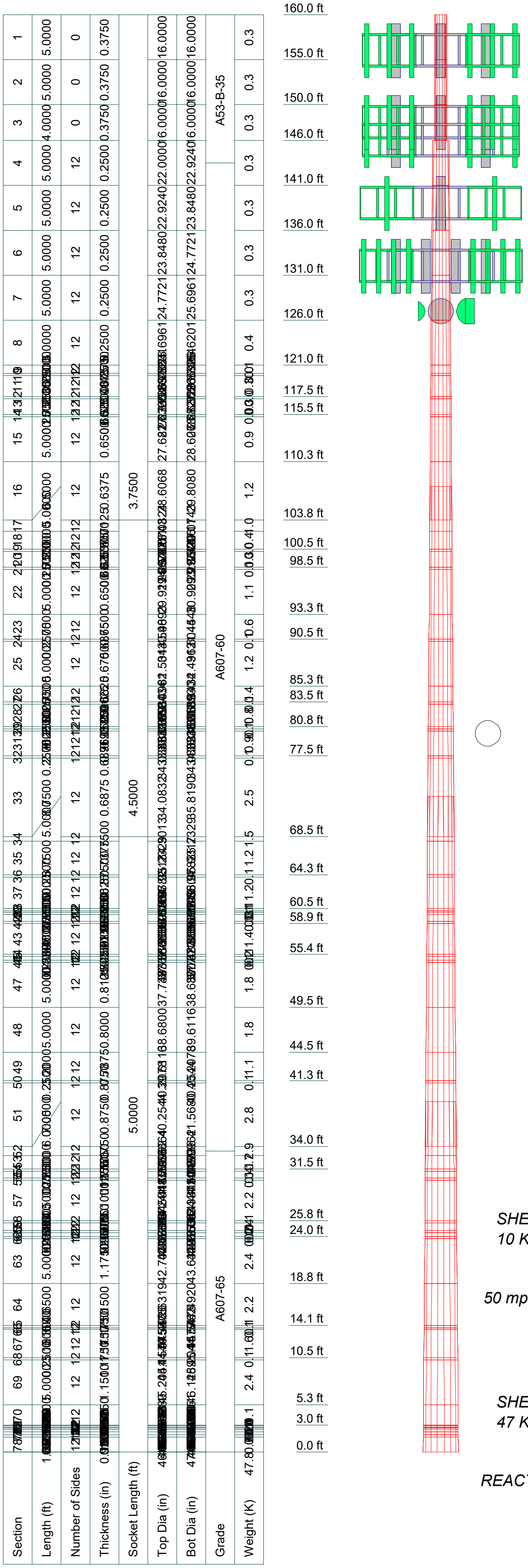
Notes:
1) See additional documentation in “Appendix C - Additional Calculations” for calculations supporting the % capacity consumed.

4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT



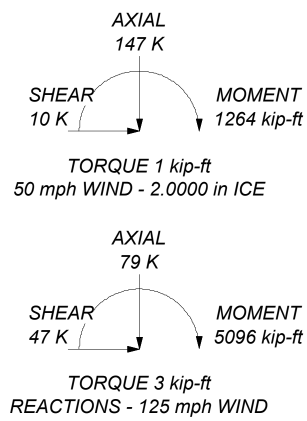
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-35	35 ksi	60 ksi	A607-65	65 ksi	80 ksi
A607-60	60 ksi	75 ksi			

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.0000 ft
8. TOWER RATING: 86.7%

ALL REACTIONS ARE FACTORED



CROWN CASTLE The Foundation for a Wireless World	*Crown Castle* 2000 Corporate Drive Canonsburg, PA 15317 Phone: (724) 416-2000 FAX:	Job: ***BU# 876334*** Project: Client: Crown Castle Code: TIA-222-H Path: R:\SA Models - Letters\Work Area\MSchmitt\1.0_WIP\876334 WO 1803023\Production\876334_R.eri	Drawn by: Matthew Schmitt Date: 10/31/19 App'd: Scale: NTS Dwg No. E-1

Tower Input Data

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

3) Tower is located in Hartford County, Connecticut.
4) Tower base elevation above sea level: 296.0000 ft.
5) Basic wind speed of 125 mph.
6) Risk Category II.
7) Exposure Category C.
8) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
9) Topographic Category: 1.
10) Crest Height: 0.0000 ft.
11) Nominal ice thickness of 2.0000 in.
12) Ice thickness is considered to increase with height.
13) Ice density of 56.0000 pcf.
14) A wind speed of 50 mph is used in combination with ice.
15) Deflections calculated using a wind speed of 60 mph.
16) TOWER RATING: 86.7%.
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		Retension Guys To Initial Tension		Offset Girt At Foundation
	Escalate Ice	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Always Use Max Kz	√	Use Azimuth Dish Coefficients		Include Angle Block Shear Check
	Use Special Wind Profile	√	Project Wind Area of Appurt.		Use TIA-222-H Bracing Resist. Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H Tension Splice Exemption
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		Poles
	Secondary Horizontal Braces Leg	√	Sort Capacity Reports By Component	√	Include Shear-Torsion Interaction
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Always Use Sub-Critical Flow
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Use Top Mounted Sockets
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole Without Linear Attachments
					Pole With Shroud Or No Appurtenances
					Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	*Elevation*	*Section Length*	*Splice Length*	*Number of Sides*	*Top Diameter*	*Bottom Diameter*	*Wall Thickness*	*Bend Radius*	*Pole Grade*
	ft	*ft*	*ft*		*in*	*in*	*in*	*in*	
L1	160.0000-155.0000	5.0000	0.0000	Round	16.0000	16.0000	0.3750		A53-B-35 (35 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L2	155.0000-150.0000	5.0000	0.0000	Round	16.0000	16.0000	0.3750		A53-B-35 (35 ksi)
L3	150.0000-146.0000	4.0000	0.0000	Round	16.0000	16.0000	0.3750		A53-B-35 (35 ksi)
L4	146.0000-141.0000	5.0000	0.0000	12	22.0000	22.9240	0.2500	1.0000	A607-60 (60 ksi)
L5	141.0000-136.0000	5.0000	0.0000	12	22.9240	23.8480	0.2500	1.0000	A607-60 (60 ksi)
L6	136.0000-131.0000	5.0000	0.0000	12	23.8480	24.7721	0.2500	1.0000	A607-60 (60 ksi)
L7	131.0000-126.0000	5.0000	0.0000	12	24.7721	25.6961	0.2500	1.0000	A607-60 (60 ksi)
L8	126.0000-121.0000	5.0000	0.0000	12	25.6961	26.6201	0.2500	1.0000	A607-60 (60 ksi)
L9	121.0000-120.1000	0.9000	0.0000	12	26.6201	26.7864	0.2500	1.0000	A607-60 (60 ksi)
L10	120.1000-119.8500	0.2500	0.0000	12	26.7864	26.8326	0.4875	1.9500	A607-60 (60 ksi)
L11	119.8500-117.5000	2.3500	0.0000	12	26.8326	27.2669	0.4875	1.9500	A607-60 (60 ksi)
L12	117.5000-117.2500	0.2500	0.0000	12	27.2669	27.3131	0.5000	2.0000	A607-60 (60 ksi)
L13	117.2500-115.5000	1.7500	0.0000	12	27.3131	27.6365	0.5000	2.0000	A607-60 (60 ksi)
L14	115.5000-115.2500	0.2500	0.0000	12	27.6365	27.6827	0.6625	2.6500	A607-60 (60 ksi)
L15	115.2500-110.2500	5.0000	0.0000	12	27.6827	28.6068	0.6500	2.6000	A607-60 (60 ksi)
L16	110.2500-103.7500	6.5000	3.7500	12	28.6068	29.8080	0.6375	2.5500	A607-60 (60 ksi)
L17	103.7500-102.5000	5.0000	0.0000	12	28.0824	29.0743	0.7125	2.8500	A607-60 (60 ksi)
L18	102.5000-100.5000	2.0000	0.0000	12	29.0743	29.4711	0.7000	2.8000	A607-60 (60 ksi)
L19	100.5000-100.2500	0.2500	0.0000	12	29.4711	29.5206	0.6375	2.5500	A607-60 (60 ksi)
L20	100.2500-98.5000	1.7500	0.0000	12	29.5206	29.8678	0.6375	2.5500	A607-60 (60 ksi)
L21	98.5000-98.2500	0.2500	0.0000	12	29.8678	29.9174	0.6625	2.6500	A607-60 (60 ksi)
L22	98.2500-93.2500	5.0000	0.0000	12	29.9174	30.9093	0.6500	2.6000	A607-60 (60 ksi)
L23	93.2500-90.5000	2.7500	0.0000	12	30.9093	31.4548	0.6500	2.6000	A607-60 (60 ksi)
L24	90.5000-90.2500	0.2500	0.0000	12	31.4548	31.5044	0.6875	2.7500	A607-60 (60 ksi)
L25	90.2500-85.2500	5.0000	0.0000	12	31.5044	32.4962	0.6750	2.7000	A607-60 (60 ksi)
L26	85.2500-83.5000	1.7500	0.0000	12	32.4962	32.8434	0.6625	2.6500	A607-60 (60 ksi)
L27	83.5000-83.2500	0.2500	0.0000	12	32.8434	32.8930	0.9125	3.6500	A607-60 (60 ksi)
L28	83.2500-80.7500	2.5000	0.0000	12	32.8930	33.3889	0.9000	3.6000	A607-60 (60 ksi)
L29	80.7500-80.5000	0.2500	0.0000	12	33.3889	33.4385	1.0625	4.2500	A607-60 (60 ksi)
L30	80.5000-80.2500	0.2500	0.0000	12	33.4385	33.4881	0.9875	3.9500	A607-60 (60 ksi)
L31	80.2500-77.5000	2.7500	0.0000	12	33.4881	34.0336	0.9625	3.8500	A607-60 (60 ksi)
L32	77.5000-77.2500	0.2500	0.0000	12	34.0336	34.0832	0.6875	2.7500	A607-60 (60 ksi)
L33	77.2500-68.5000	8.7500	4.5000	12	34.0832	35.8190	0.6875	2.7500	A607-60 (60 ksi)
L34	68.5000-68.0000	5.0000	0.0000	12	34.3013	35.2329	0.7500	3.0000	A607-60 (60 ksi)
L35	68.0000-64.2500	3.7500	0.0000	12	35.2329	35.9317	0.7375	2.9500	A607-60 (60 ksi)
L36	64.2500-	0.2500	0.0000	12	35.9317	35.9782	0.8750	3.5000	A607-60

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
	64.0000								(60 ksi)
L37	64.0000-60.5000	3.5000	0.0000	12	35.9782	36.6304	0.8625	3.4500	A607-60 (60 ksi)
L38	60.5000-60.2500	0.2500	0.0000	12	36.6304	36.6770	0.9250	3.7000	A607-60 (60 ksi)
L39	60.2500-60.1000	0.1500	0.0000	12	36.6770	36.7049	0.9250	3.7000	A607-60 (60 ksi)
L40	60.1000-59.8500	0.2500	0.0000	12	36.7049	36.7515	0.9750	3.9000	A607-60 (60 ksi)
L41	59.8500-59.1000	0.7500	0.0000	12	36.7515	36.8912	0.9750	3.9000	A607-60 (60 ksi)
L42	59.1000-58.8500	0.2500	0.0000	12	36.8912	36.9378	1.0500	4.2000	A607-60 (60 ksi)
L43	58.8500-55.4000	3.4500	0.0000	12	36.9378	37.5806	1.0250	4.1000	A607-60 (60 ksi)
L44	55.4000-55.1500	0.2500	0.0000	12	37.5806	37.6272	1.0250	4.1000	A607-60 (60 ksi)
L45	55.1500-54.7500	0.4000	0.0000	12	37.6272	37.7018	1.0250	4.1000	A607-60 (60 ksi)
L46	54.7500-54.5000	0.2500	0.0000	12	37.7018	37.7483	0.8250	3.3000	A607-60 (60 ksi)
L47	54.5000-49.5000	5.0000	0.0000	12	37.7483	38.6800	0.8125	3.2500	A607-60 (60 ksi)
L48	49.5000-44.5000	5.0000	0.0000	12	38.6800	39.6116	0.8000	3.2000	A607-60 (60 ksi)
L49	44.5000-41.3000	3.2000	0.0000	12	39.6116	40.2078	0.7875	3.1500	A607-60 (60 ksi)
L50	41.3000-41.0500	0.2500	0.0000	12	40.2078	40.2544	0.8750	3.5000	A607-60 (60 ksi)
L51	41.0500-34.0000	7.0500	5.0000	12	40.2544	41.5680	0.8750	3.5000	A607-60 (60 ksi)
L52	34.0000-33.0000	6.0000	0.0000	12	39.8864	40.9962	1.1750	4.7000	A607-65 (65 ksi)
L53	33.0000-31.5000	1.5000	0.0000	12	40.9962	41.2736	1.1750	4.7000	A607-65 (65 ksi)
L54	31.5000-31.2500	0.2500	0.0000	12	41.2736	41.3199	1.1750	4.7000	A607-65 (65 ksi)
L55	31.2500-30.5000	0.7500	0.0000	12	41.3199	41.4586	1.1750	4.7000	A607-65 (65 ksi)
L56	30.5000-30.2500	0.2500	0.0000	12	41.4586	41.5048	1.1250	4.5000	A607-65 (65 ksi)
L57	30.2500-25.7500	4.5000	0.0000	12	41.5048	42.3372	1.1000	4.4000	A607-65 (65 ksi)
L58	25.7500-25.5000	0.2500	0.0000	12	42.3372	42.3834	1.0750	4.3000	A607-65 (65 ksi)
L59	25.5000-24.7000	0.8000	0.0000	12	42.3834	42.5314	1.0750	4.3000	A607-65 (65 ksi)
L60	24.7000-24.4500	0.2500	0.0000	12	42.5314	42.5776	0.9500	3.8000	A607-65 (65 ksi)
L61	24.4500-24.0000	0.4500	0.0000	12	42.5776	42.6608	0.9500	3.8000	A607-65 (65 ksi)
L62	24.0000-23.7500	0.2500	0.0000	12	42.6608	42.7071	1.2000	4.8000	A607-65 (65 ksi)
L63	23.7500-18.7500	5.0000	0.0000	12	42.7071	43.6319	1.1750	4.7000	A607-65 (65 ksi)
L64	18.7500-14.1000	4.6500	0.0000	12	43.6319	44.4920	1.1500	4.6000	A607-65 (65 ksi)
L65	14.1000-13.8000	0.3000	0.0000	12	44.4920	44.5475	1.1750	4.7000	A607-65 (65 ksi)
L66	13.8000-13.6500	0.1500	0.0000	12	44.5475	44.5752	1.1750	4.7000	A607-65 (65 ksi)
L67	13.6500-10.5000	3.1500	0.0000	12	44.5752	45.1579	1.1750	4.7000	A607-65 (65 ksi)
L68	10.5000-10.2500	0.2500	0.0000	12	45.1579	45.2041	1.1750	4.7000	A607-65 (65 ksi)
L69	10.2500-5.2500	5.0000	0.0000	12	45.2041	46.1289	1.1500	4.6000	A607-65 (65 ksi)
L70	5.2500-3.0000	2.2500	0.0000	12	46.1289	46.5451	1.1250	4.5000	A607-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L71	3.0000-2.9000	0.1000	0.0000	12	46.5451	46.5636	1.0875	4.3500	A607-65 (65 ksi)
L72	2.9000-2.7500	0.1500	0.0000	12	46.5636	46.5913	1.0250	4.1000	A607-65 (65 ksi)
L73	2.7500-2.6500	0.1000	0.0000	12	46.5913	46.6098	1.0250	4.1000	A607-65 (65 ksi)
L74	2.6500-2.5000	0.1500	0.0000	12	46.6098	46.6376	1.0250	4.1000	A607-65 (65 ksi)
L75	2.5000-2.2500	0.2500	0.0000	12	46.6376	46.6838	1.0000	4.0000	A607-65 (65 ksi)
L76	2.2500-1.9000	0.3500	0.0000	12	46.6838	46.7486	1.0000	4.0000	A607-65 (65 ksi)
L77	1.9000-1.6500	0.2500	0.0000	12	46.7486	46.7948	0.9500	3.8000	A607-65 (65 ksi)
L78	1.6500-0.0000	1.6500		12	46.7948	47.1000	0.9500	3.8000	A607-65 (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	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
L2	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
L3	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
L4	22.6879	17.5087	1057.2060	7.7865	11.3960	92.7699	2142.1860	8.6173	5.2260	20.904
	23.6445	18.2526	1197.7540	8.1173	11.8746	100.8665	2426.9744	8.9834	5.4736	21.895
L5	23.6445	18.2526	1197.7540	8.1173	11.8746	100.8665	2426.9744	8.9834	5.4736	21.895
	24.6011	18.9964	1350.2370	8.4481	12.3533	109.3018	2735.9463	9.3495	5.7213	22.885
L6	24.6011	18.9964	1350.2370	8.4481	12.3533	109.3018	2735.9463	9.3495	5.7213	22.885
	25.5577	19.7403	1515.1418	8.7789	12.8319	118.0759	3070.0880	9.7156	5.9689	23.876
L7	25.5577	19.7403	1515.1418	8.7789	12.8319	118.0759	3070.0880	9.7156	5.9689	23.876
	26.5144	20.4841	1692.9544	9.1097	13.3106	127.1887	3430.3846	10.0817	6.2166	24.866
L8	26.5144	20.4841	1692.9544	9.1097	13.3106	127.1887	3430.3846	10.0817	6.2166	24.866
	27.4710	21.2279	1884.1612	9.4405	13.7892	136.6401	3817.8214	10.4477	6.4642	25.857
L9	27.4710	21.2279	1884.1612	9.4405	13.7892	136.6401	3817.8214	10.4477	6.4642	25.857
	27.6432	21.3618	1920.0386	9.5000	13.8754	138.3774	3890.5187	10.5136	6.5088	26.035
L10	27.5594	41.2828	3644.4444	9.4150	13.8754	262.6555	7384.6323	20.3181	5.8723	12.046
	27.6072	41.3553	3663.6854	9.4316	13.8993	263.5876	7423.6199	20.3538	5.8846	12.071
L11	27.6072	41.3553	3663.6854	9.4316	13.8993	263.5876	7423.6199	20.3538	5.8846	12.071
	28.0568	42.0370	3847.8725	9.5870	14.1243	272.4298	7796.8329	20.6893	6.0010	12.31
L12	28.0524	43.0948	3941.0120	9.5826	14.1243	279.0241	7985.5588	21.2099	5.9675	11.935
	28.1003	43.1691	3961.4544	9.5991	14.1482	279.9970	8026.9806	21.2465	5.9799	11.96
L13	28.1003	43.1691	3961.4544	9.5991	14.1482	279.9970	8026.9806	21.2465	5.9799	11.96
	28.4351	43.6898	4106.5341	9.7149	14.3157	286.8547	8320.9515	21.5028	6.0666	12.133
L14	28.3778	57.5424	5343.9931	9.6567	14.3157	373.2952	10828.3789	28.3206	5.6311	8.5
	28.4256	57.6409	5371.5003	9.6732	14.3397	374.5904	10884.1158	28.3691	5.6435	8.518
L15	28.4300	56.5795	5277.4687	9.6777	14.3397	368.0330	10693.5825	27.8467	5.6770	8.734
	29.3866	58.5135	5837.3551	10.0085	14.8183	393.9286	11828.0640	28.7986	5.9246	9.115
L16	29.3910	57.4139	5732.7811	10.0130	14.8183	386.8715	11616.1687	28.2574	5.9581	9.346
	30.6346	59.8797	6503.5971	10.4430	15.4405	421.2026	13178.0510	29.4710	6.2800	9.851
L17	29.5919	62.7935	6004.1030	9.7984	14.5467	412.7467	12165.9404	30.9050	5.6166	7.883
	29.8486	65.0691	6680.7972	10.1535	15.0605	443.5976	13537.1064	32.0250	5.8824	8.256
L18	29.8530	63.9557	6572.2725	10.1580	15.0605	436.3917	13317.2059	31.4770	5.9159	8.451

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
	30.2637	64.8500	6851.8380	10.3000	15.2660	448.8298	13883.6815	31.9172	6.0222	8.603
L19	30.2858	59.1881	6280.8215	10.3224	15.2660	411.4254	12726.6471	29.1306	6.1897	9.709
	30.3371	59.2899	6313.2858	10.3402	15.2917	412.8572	12792.4287	29.1807	6.2030	9.73
L20	30.3371	59.2899	6313.2858	10.3402	15.2917	412.8572	12792.4287	29.1807	6.2030	9.73
	30.6965	60.0025	6543.6753	10.4644	15.4715	422.9498	13259.2602	29.5314	6.2961	9.876
L21	30.6877	62.3022	6782.8565	10.4555	15.4715	438.4092	13743.9062	30.6632	6.2291	9.402
	30.7391	62.4080	6817.4695	10.4733	15.4972	439.9160	13814.0415	30.7153	6.2424	9.422
L22	30.7435	61.2567	6697.4156	10.4777	15.4972	432.1691	13570.7798	30.1487	6.2759	9.655
	31.7703	63.3326	7401.6756	10.8328	16.0110	462.2870	14997.8014	31.1704	6.5417	10.064
L23	31.7703	63.3326	7401.6756	10.8328	16.0110	462.2870	14997.8014	31.1704	6.5417	10.064
	32.3351	64.4744	7809.2572	11.0281	16.2936	479.2843	15823.6722	31.7323	6.6879	10.289
L24	32.3219	68.1111	8229.6629	11.0147	16.2936	505.0863	16675.5283	33.5222	6.5874	9.582
	32.3732	68.2209	8269.5235	11.0324	16.3193	506.7337	16756.2965	33.5762	6.6007	9.601
L25	32.3776	67.0077	8129.0524	11.0369	16.3193	498.1260	16471.6641	32.9791	6.6342	9.828
	33.4045	69.1635	8939.1688	11.3920	16.8331	531.0485	18113.1795	34.0402	6.9000	10.222
L26	33.4089	67.9093	8783.9720	11.3965	16.8331	521.8287	17798.7088	33.4229	6.9335	10.466
	33.7683	68.6499	9074.4899	11.5208	17.0129	533.3894	18387.3767	33.7874	7.0265	10.606
L27	33.6801	93.8210	12209.7883	11.4313	17.0129	717.6791	24740.3413	46.1758	6.3565	6.966
	33.7314	93.9667	12266.7682	11.4490	17.0386	719.9412	24855.7980	46.2475	6.3698	6.981
L28	33.7358	92.7157	12112.9227	11.4535	17.0386	710.9119	24544.0653	45.6318	6.4033	7.115
	34.2493	94.1529	12684.9978	11.6310	17.2955	733.4292	25703.2446	46.3392	6.5362	7.262
L29	34.1920	110.5968	14751.7599	11.5729	17.2955	852.9265	29891.0650	54.4324	6.1007	5.742
	34.2433	110.7665	14819.7576	11.5906	17.3212	855.5873	30028.8467	54.5159	6.1140	5.754
L30	34.2697	103.1861	13869.6002	11.6175	17.3212	800.7319	28103.5702	50.7851	6.3150	6.395
	34.3211	103.3438	13933.2870	11.6352	17.3468	803.2175	28232.6170	50.8627	6.3283	6.408
L31	34.3299	100.8050	13611.9088	11.6442	17.3468	784.6909	27581.4176	49.6132	6.3953	6.644
	34.8947	102.4957	14308.3666	11.8395	17.6294	811.6184	28992.6298	50.4453	6.5415	6.796
L32	34.9917	73.8200	10477.3447	11.9379	17.6294	594.3100	21229.9409	36.3320	7.2785	10.587
	35.0430	73.9298	10524.1606	11.9557	17.6551	596.0970	21324.8025	36.3860	7.2918	10.606
L33	35.0430	73.9298	10524.1606	11.9557	17.6551	596.0970	21324.8025	36.3860	7.2918	10.606
	36.8400	77.7724	12251.9327	12.5771	18.5542	660.3305	24825.7374	38.2772	7.7570	11.283
L34	36.1148	81.0264	11642.1159	12.0114	17.7681	655.2263	23590.0832	39.8787	7.1828	9.577
	36.2113	83.2763	12639.0995	12.3449	18.2507	692.5281	25610.2423	40.9861	7.4324	9.91
L35	36.2157	81.9181	12441.9686	12.3494	18.2507	681.7268	25210.8016	40.3176	7.4659	10.123
	36.9390	83.5773	13213.4384	12.5995	18.6126	709.9189	26774.0085	41.1342	7.6532	10.377

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L36	36.8905	98.7722	15493.9329	12.5503	18.6126	832.4431	31394.9087	48.6126	7.2847	8.325
	36.9388	98.9034	15555.7770	12.5670	18.6367	834.6838	31520.2215	48.6772	7.2972	8.34
L37	36.9432	97.5252	15349.9379	12.5714	18.6367	823.6389	31103.1357	47.9989	7.3307	8.499
	37.6183	99.3364	16221.1138	12.8049	18.9745	854.8884	32868.3743	48.8903	7.5054	8.702
L38	37.5963	106.3485	17305.5210	12.7825	18.9745	912.0391	35065.6773	52.3415	7.3379	7.933
	37.6445	106.4872	17373.3394	12.7992	18.9987	914.4504	35203.0958	52.4098	7.3504	7.946
L39	37.6445	106.4872	17373.3394	12.7992	18.9987	914.4504	35203.0958	52.4098	7.3504	7.946
	37.6734	106.5705	17414.1159	12.8092	19.0131	915.8987	35285.7201	52.4507	7.3579	7.955
L40	37.6558	112.1741	18278.5756	12.7913	19.0131	961.3652	37037.3498	55.2087	7.2239	7.409
	37.7040	112.3203	18350.1581	12.8080	19.0373	963.9068	37182.3952	55.2806	7.2364	7.422
L41	37.7040	112.3203	18350.1581	12.8080	19.0373	963.9068	37182.3952	55.2806	7.2364	7.422
	37.8487	112.7590	18566.0278	12.8580	19.1097	971.5519	37619.8058	55.4966	7.2739	7.46
L42	37.8222	121.1792	19869.1901	12.8312	19.1097	1039.7458	40260.3659	59.6407	7.0729	6.736
	37.8704	121.3367	19946.7597	12.8478	19.1338	1042.4886	40417.5429	59.7182	7.0853	6.748
L43	37.8793	118.5303	19512.5583	12.8568	19.1338	1019.7957	39537.7332	58.3370	7.1523	6.978
	38.5448	120.6519	20579.2211	13.0869	19.4668	1057.1460	41699.0813	59.3812	7.3246	7.146
L44	38.5448	120.6519	20579.2211	13.0869	19.4668	1057.1460	41699.0813	59.3812	7.3246	7.146
	38.5930	120.8056	20657.9906	13.1036	19.4909	1059.8787	41858.6896	59.4569	7.3371	7.158
L45	38.5930	120.8056	20657.9906	13.1036	19.4909	1059.8787	41858.6896	59.4569	7.3371	7.158
	38.6701	121.0516	20784.4401	13.1303	19.5295	1064.2582	42114.9105	59.5779	7.3571	7.178
L46	38.7407	97.9631	17004.1056	13.2019	19.5295	870.6879	34454.9280	48.2145	7.8931	9.567
	38.7889	98.0868	17068.6248	13.2186	19.5536	872.9130	34585.6614	48.2754	7.9056	9.582
L47	38.7933	96.6334	16827.0876	13.2230	19.5536	860.5605	34096.2416	47.5600	7.9391	9.771
	39.7578	99.0707	18132.7518	13.5566	20.0362	904.9987	36741.8712	48.7596	8.1887	10.078
L48	39.7622	97.5788	17871.4728	13.5610	20.0362	891.9583	36212.4491	48.0253	8.2222	10.278
	40.7267	99.9786	19222.7704	13.8945	20.5188	936.8369	38950.5444	49.2064	8.4719	10.59
L49	40.7311	98.4482	18940.7035	13.8990	20.5188	923.0901	38379.0003	48.4532	8.5054	10.801
	41.3484	99.9601	19826.8195	14.1125	20.8277	951.9468	40174.5115	49.1973	8.6652	11.003
L50	41.3175	110.8202	21883.4283	14.0812	20.8277	1050.6910	44341.7587	54.5424	8.4307	9.635
	41.3658	110.9515	21961.2686	14.0978	20.8518	1053.2082	44499.4842	54.6069	8.4432	9.649
L51	41.3658	110.9515	21961.2686	14.0978	20.8518	1053.2082	44499.4842	54.6069	8.4432	9.649
	42.7257	114.6525	24233.1014	14.5681	21.5322	1125.4342	49102.8334	56.4285	8.7952	10.052
L52	41.8364	146.4645	28015.3109	13.8587	20.6611	1355.9421	56766.6153	72.0854	7.5405	6.417
	42.0279	150.6634	30494.4993	14.2560	21.2360	1435.9805	61790.1231	74.1519	7.8380	6.671
L53	42.0279	150.6634	30494.4993	14.2560	21.2360	1435.9805	61790.1231	74.1519	7.8380	6.671

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
	42.3151	151.7131	31136.3459	14.3553	21.3797	1456.3489	63090.6783	74.6686	7.9123	6.734
L54	42.3151	151.7131	31136.3459	14.3553	21.3797	1456.3489	63090.6783	74.6686	7.9123	6.734
	42.3630	151.8880	31244.1878	14.3719	21.4037	1459.7576	63309.1952	74.7547	7.9247	6.744
L55	42.3630	151.8880	31244.1878	14.3719	21.4037	1459.7576	63309.1952	74.7547	7.9247	6.744
	42.5066	152.4129	31569.2093	14.4215	21.4755	1470.0076	63967.7769	75.0130	7.9619	6.776
L56	42.5242	146.1084	30338.5275	14.4394	21.4755	1412.7014	61474.0818	71.9101	8.0959	7.196
	42.5721	146.2759	30442.9932	14.4560	21.4995	1415.9865	61685.7578	71.9925	8.1083	7.207
L57	42.5809	143.1139	29821.8037	14.4649	21.4995	1387.0932	60427.0594	70.4363	8.1753	7.432
	43.4426	146.0620	31703.0215	14.7629	21.9306	1445.6035	64238.9167	71.8873	8.3984	7.635
L58	43.4514	142.8290	31038.8818	14.7719	21.9306	1415.3199	62893.1897	70.2961	8.4654	7.875
	43.4993	142.9890	31143.3535	14.7884	21.9546	1418.5343	63104.8776	70.3748	8.4778	7.886
L59	43.4993	142.9890	31143.3535	14.7884	21.9546	1418.5343	63104.8776	70.3748	8.4778	7.886
	43.6525	143.5012	31479.2300	14.8414	22.0312	1428.8445	63785.4545	70.6269	8.5174	7.923
L60	43.6966	127.1974	28071.2537	14.8861	22.0312	1274.1562	56879.9705	62.6027	8.8524	9.318
	43.7445	127.3389	28165.0107	14.9027	22.0552	1277.0234	57069.9477	62.6723	8.8648	9.331
L61	43.7445	127.3389	28165.0107	14.9027	22.0552	1277.0234	57069.9477	62.6723	8.8648	9.331
	43.8306	127.5935	28334.2957	14.9325	22.0983	1282.1924	57412.9650	62.7976	8.8871	9.355
L62	43.7424	160.2047	35150.9888	14.8430	22.0983	1590.6635	71225.4333	78.8479	8.2171	6.848
	43.7903	160.3834	35268.7310	14.8595	22.1223	1594.2636	71464.0109	78.9358	8.2295	6.858
L63	43.7991	157.1367	34596.4035	14.8685	22.1223	1563.8721	70101.6931	77.3379	8.2965	7.061
	44.7566	160.6357	36959.3963	15.1996	22.6013	1635.2753	74889.7571	79.0600	8.5444	7.272
L64	44.7654	157.3105	36236.9633	15.2085	22.6013	1603.3111	73425.9120	77.4235	8.6114	7.488
	45.6558	160.4954	38482.7780	15.5164	23.0469	1669.7627	77976.5414	78.9910	8.8419	7.689
L65	45.6470	163.8899	39251.3602	15.5075	23.0469	1703.1114	79533.8974	80.6616	8.7749	7.468
	45.7045	164.0998	39402.3963	15.5273	23.0756	1707.5352	79839.9375	80.7649	8.7897	7.481
L66	45.7045	164.0998	39402.3963	15.5273	23.0756	1707.5352	79839.9375	80.7649	8.7897	7.481
	45.7332	164.2048	39478.0608	15.5373	23.0900	1709.7494	79993.2542	80.8166	8.7972	7.487
L67	45.7332	164.2048	39478.0608	15.5373	23.0900	1709.7494	79993.2542	80.8166	8.7972	7.487
	46.3364	166.4092	41089.4552	15.7459	23.3918	1756.5769	83258.3761	81.9015	8.9533	7.62
L68	46.3364	166.4092	41089.4552	15.7459	23.3918	1756.5769	83258.3761	81.9015	8.9533	7.62
	46.3842	166.5841	41219.1886	15.7624	23.4157	1760.3205	83521.2512	81.9876	8.9657	7.63
L69	46.3931	163.1324	40410.9432	15.7714	23.4157	1725.8033	81883.5269	80.2888	9.0327	7.855
	47.3505	166.5570	43009.7746	16.1025	23.8948	1799.9647	87149.4639	81.9743	9.2806	8.07
L70	47.3593	163.0268	42144.9760	16.1114	23.8948	1763.7727	85397.1474	80.2368	9.3476	8.309
	47.7902	164.5343	43325.0203	16.2604	24.1104	1796.9459	87788.2371	80.9788	9.4591	8.408

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
L71	47.8034	159.1812	41984.6723	16.2738	24.1104	1741.3537	85072.3287	78.3441	9.5596	8.79
	47.8226	159.2459	42035.9419	16.2804	24.1199	1742.7876	85176.2148	78.3760	9.5645	8.795
L72	47.8446	150.3002	39783.6632	16.3028	24.1199	1649.4093	80612.4875	73.9732	9.7320	9.495
	47.8733	150.3917	39856.4237	16.3128	24.1343	1651.4419	80759.9199	74.0182	9.7395	9.502
L73	47.8733	150.3917	39856.4237	16.3128	24.1343	1651.4419	80759.9199	74.0182	9.7395	9.502
	47.8925	150.4528	39904.9782	16.3194	24.1439	1652.7976	80858.3045	74.0483	9.7444	9.507
L74	47.8925	150.4528	39904.9782	16.3194	24.1439	1652.7976	80858.3045	74.0483	9.7444	9.507
	47.9212	150.5443	39977.8864	16.3293	24.1583	1654.8323	81006.0365	74.0933	9.7519	9.514
L75	47.9300	146.9530	39066.9829	16.3383	24.1583	1617.1266	79160.2989	72.3258	9.8189	9.819
	47.9779	147.1019	39185.8538	16.3548	24.1822	1620.4405	79401.1636	72.3991	9.8313	9.831
L76	47.9779	147.1019	39185.8538	16.3548	24.1822	1620.4405	79401.1636	72.3991	9.8313	9.831
	48.0449	147.3104	39352.6794	16.3780	24.2158	1625.0856	79739.1974	72.5017	9.8486	9.849
L77	48.0626	140.0978	37507.7572	16.3959	24.2158	1548.8988	76000.8849	68.9519	9.9826	10.508
	48.1104	140.2393	37621.4822	16.4124	24.2397	1552.0599	76231.3226	69.0215	9.9950	10.521
L78	48.1104	140.2393	37621.4822	16.4124	24.2397	1552.0599	76231.3226	69.0215	9.9950	10.521
	48.4264	141.1729	38377.8414	16.5217	24.3978	1573.0042	77763.9113	69.4810	10.0768	10.607

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 160.0000-155.0000				1	1	1			
L2 155.0000-150.0000				1	1	1			
L3 150.0000-146.0000				1	1	1			
L4 146.0000-141.0000				1	1	1			
L5 141.0000-136.0000				1	1	1			
L6 136.0000-131.0000				1	1	1			
L7 131.0000-126.0000				1	1	1			
L8 126.0000-121.0000				1	1	1			
L9 121.0000-120.1000				1	1	1			
L10 120.1000-119.8500				1	1	0.95332			
L11 119.8500-117.5000				1	1	0.946176			
L12 117.5000-117.2500				1	1	1.02662			
L13 117.2500-115.5000				1	1	1.02034			
L14				1	1	0.930389			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
115.5000-115.2500									
L15 115.2500-110.2500				1	1	0.929227			
L16 110.2500-103.7500				1	1	0.937122			
L17 103.7500-102.5000				1	1	0.929577			
L18 102.5000-100.5000				1	1	0.938874			
L19 100.5000-100.2500				1	1	0.987647			
L20 100.2500-98.5000				1	1	0.981739			
L21 98.5000-98.2500				1	1	0.992837			
L22 98.2500-93.2500				1	1	0.994101			
L23 93.2500-90.5000				1	1	0.985011			
L24 90.5000-90.2500				1	1	1.06743			
L25 90.2500-85.2500				1	1	1.06732			
L26 85.2500-83.5000				1	1	1.08039			
L27 83.5000-83.2500				1	1	0.98167			
L28 83.2500-80.7500				1	1	0.985028			
L29 80.7500-80.5000				1	1	0.933797			
L30 80.5000-80.2500				1	1	0.980758			
L31 80.2500-77.5000				1	1	0.994229			
L32 77.5000-77.2500				1	1	1.13524			
L33 77.2500-68.5000				1	1	1.11848			
L34 68.5000-68.0000				1	1	1.10521			
L35 68.0000-64.2500				1	1	1.11132			
L36 64.2500-64.0000				1	1	1.01435			
L37 64.0000-60.5000				1	1	1.01786			
L38 60.5000-60.2500				1	1	1.00999			
L39 60.2500-60.1000				1	1	1.00952			
L40 60.1000-59.8500				1	1	0.995161			
L41 59.8500-59.1000				1	1	0.992785			
L42 59.1000-58.8500				1	1	0.991238			
L43 58.8500-55.4000				1	1	1.0033			
L44 55.4000-				1	1	1.00249			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
55.1500									
L45 55.1500-54.7500				1	1	1.00119			
L46 54.7500-54.5000				1	1	1.0524			
L47 54.5000-49.5000				1	1	1.0533			
L48 49.5000-44.5000				1	1	1.05499			
L49 44.5000-41.3000				1	1	1.06239			
L50 41.3000-41.0500				1	1	1.05355			
L51 41.0500-34.0000				1	1	1.04754			
L52 34.0000-33.0000				1	1	0.943815			
L53 33.0000-31.5000				1	1	0.939493			
L54 31.5000-31.2500				1	1	0.9488			
L55 31.2500-30.5000				1	1	0.946632			
L56 30.5000-30.2500				1	1	0.963898			
L57 30.2500-25.7500				1	1	0.97219			
L58 25.7500-25.5000				1	1	0.977059			
L59 25.5000-24.7000				1	1	0.974817			
L60 24.7000-24.4500				1	1	0.931867			
L61 24.4500-24.0000				1	1	0.930795			
L62 24.0000-23.7500				1	1	0.878408			
L63 23.7500-18.7500				1	1	0.88398			
L64 18.7500-14.1000				1	1	0.891223			
L65 14.1000-13.8000				1	1	0.887984			
L66 13.8000-13.6500				1	1	0.887621			
L67 13.6500-10.5000				1	1	0.88009			
L68 10.5000-10.2500				1	1	0.851697			
L69 10.2500-5.2500				1	1	0.858541			
L70 5.2500-3.0000				1	1	0.872149			
L71 3.0000-2.9000				1	1	0.863521			
L72 2.9000-2.7500				1	1	0.839338			
L73 2.7500-2.6500				1	1	0.839146			
L74 2.6500-2.5000				1	1	0.838858			
L75 2.5000-2.2500				1	1	0.872484			
L76 2.2500-1.9000				1	1	0.87178			
L77 1.9000-1.6500				1	1	0.857151			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L78 1.6500-0.0000				1	1	0.854093			

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
LDF7-50A(1-5/8")	B	No	Surface Ar (CaAa)	156.0000 - 0.0000	8	8	-0.400 -0.200	1.9800		0.8200
2" Rigid Conduit	B	No	Surface Ar (CaAa)	156.0000 - 0.0000	3	3	-0.200 -0.100	2.0000		2.8000
**										
HB114-1-08U4-M5J(1-1/4")	B	No	Surface Ar (CaAa)	146.0000 - 0.0000	4	4	-0.100 0.100	1.5400		1.0800
**										
561(1-5/8")	A	No	Surface Ar (CaAa)	132.0000 - 0.0000	4	4	-0.150 0.000	1.6250		1.3500
**										
LDF4P-50A(1/2")	A	No	Surface Ar (CaAa)	129.0000 - 0.0000	3	3	-0.300 -0.150	0.6300		0.1500
**										
**										
**										
Aero MP305	A	No	Surface Af (CaAa)	31.5000 - 11.5000	1	1	0.500 0.500	5.3300	14.8400	0.0000
Aero MP305	B	No	Surface Af (CaAa)	30.5000 - 0.0000	1	1	0.500 0.500	5.3300	14.8400	0.0000
Aero MP305	C	No	Surface Af (CaAa)	30.5000 - 0.0000	1	1	0.500 0.500	5.3300	14.8400	0.0000
Aero MP304	A	No	Surface Af (CaAa)	15.5000 - 0.0000	1	1	-0.250 -0.250	4.7800	12.7800	0.0000
Aero MP304	B	No	Surface Af (CaAa)	15.5000 - 0.0000	1	1	0.250 0.250	4.7800	12.7800	0.0000
Aero MP304	B	No	Surface Af (CaAa)	60.5000 - 30.5000	1	1	0.500 0.500	4.7800	12.7800	0.0000
Aero MP304	C	No	Surface Af (CaAa)	60.5000 - 30.5000	1	1	0.500 0.500	4.7800	12.7800	0.0000
Aero MP304	A	No	Surface Af (CaAa)	61.5000 - 31.0000	1	1	0.500 0.500	4.7800	12.7800	0.0000
**										
6" x 1" Flat Plate	C	No	Surface Af (CaAa)	30.5000 - 0.5000	1	1	-0.250 -0.250	6.0000	14.0000	0.0000
6" x 1" Flat Plate	B	No	Surface Af (CaAa)	30.5000 - 0.5000	1	1	0.000 0.000	6.0000	14.0000	0.0000
6" x 1" Flat Plate	A	No	Surface Af (CaAa)	30.5000 - 0.5000	1	1	0.000 0.000	6.0000	14.0000	0.0000
6.5" x 1.25" Flat Plate	C	No	Surface Af (CaAa)	60.5000 - 30.5000	1	1	-0.250 -0.250	6.5000	15.5000	0.0000
6.5" x 1.25" Flat Plate	B	No	Surface Af (CaAa)	60.5000 - 30.5000	1	1	0.000 0.000	6.5000	15.5000	0.0000
6.5" x 1.25" Flat Plate	A	No	Surface Af (CaAa)	60.5000 - 30.5000	1	1	0.000 0.000	6.5000	15.5000	0.0000
6" x 1" Flat Plate	C	No	Surface Af (CaAa)	100.5000 - 60.5000	1	1	-0.250 -0.250	6.0000	14.0000	0.0000
6" x 1" Flat Plate	B	No	Surface Af (CaAa)	100.5000 - 60.5000	1	1	0.000 0.000	6.0000	14.0000	0.0000
6" x 1" Flat Plate	A	No	Surface Af (CaAa)	100.5000 - 60.5000	1	1	0.000 0.000	6.0000	14.0000	0.0000
**										
6.5" x 1.25" Flat Plate	C	No	Surface Af (CaAa)	38.0000 - 23.0000	1	1	0.000 0.000	6.5000	15.5000	0.0000

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
6.5" x 1.25" Flat Plate	B	No	Surface Af (CaAa)	38.0000 - 23.0000	1	1	0.250 0.250	6.5000	15.5000	0.0000
6.5" x 1.25" Flat Plate	A	No	Surface Af (CaAa)	38.0000 - 23.0000	1	1	0.250 0.250	6.5000	15.5000	0.0000
6.5" x 1.25" Flat Plate	C	No	Surface Af (CaAa)	67.0000 - 52.0000	1	1	0.000 0.000	6.5000	15.5000	0.0000
6.5" x 1.25" Flat Plate	B	No	Surface Af (CaAa)	67.0000 - 52.0000	1	1	0.250 0.250	6.5000	15.5000	0.0000
6.5" x 1.25" Flat Plate	A	No	Surface Af (CaAa)	67.0000 - 52.0000	1	1	0.250 0.250	6.5000	15.5000	0.0000
6.5" x 1.25" Flat Plate	C	No	Surface Af (CaAa)	85.5000 - 72.5000	1	1	0.000 0.000	6.5000	15.5000	0.0000
6.5" x 1.25" Flat Plate	B	No	Surface Af (CaAa)	85.5000 - 72.5000	1	1	0.250 0.250	6.5000	15.5000	0.0000
6.5" x 1.25" Flat Plate **	A	No	Surface Af (CaAa)	85.5000 - 72.5000	1	1	0.250 0.250	6.5000	15.5000	0.0000
6" x 1" Flat Plate	C	No	Surface Af (CaAa)	10.5000 - 0.5000	1	1	0.250 0.250	6.0000	14.0000	0.0000
8.5" x 1.25" Flat Plate	C	No	Surface Af (CaAa)	45.5000 - 10.5000	1	1	0.250 0.250	8.5000	19.5000	0.0000
8.5" x 1.25" Flat Plate	C	No	Surface Af (CaAa)	85.0000 - 60.0000	1	1	0.250 0.250	8.5000	19.5000	0.0000
4.5" x 1" Flat Plate	C	No	Surface Af (CaAa)	117.0000 - 97.0000	1	1	0.250 0.250	4.5000	11.0000	0.0000
4.5" x 1" Flat Plate	A	No	Surface Af (CaAa)	117.0000 - 97.0000	1	1	0.250 0.250	4.5000	11.0000	0.0000
4.5" x 1" Flat Plate **	B	No	Surface Af (CaAa)	119.0000 - 99.0000	1	1	0.250 0.250	4.5000	11.0000	0.0000
8.5" x 1.25" Flat Plate	A	No	Surface Af (CaAa)	55.4000 - 20.4000	1	1	-0.250 -0.250	8.5000	19.5000	0.0000
8.5" x 1.25" Flat Plate	B	No	Surface Af (CaAa)	55.4000 - 20.4000	1	1	-0.250 -0.250	8.5000	19.5000	0.0000
8.5" x 1.25" Flat Plate	A	No	Surface Af (CaAa)	90.5000 - 55.5000	1	1	-0.250 -0.250	8.5000	19.5000	0.0000
8.5" x 1.25" Flat Plate	B	No	Surface Af (CaAa)	90.5000 - 55.5000	1	1	-0.250 -0.250	8.5000	19.5000	0.0000
6" x 1" Flat Plate	A	No	Surface Af (CaAa)	122.6000 - 90.6000	1	1	-0.250 -0.250	6.0000	14.0000	0.0000
6" x 1" Flat Plate	B	No	Surface Af (CaAa)	122.6000 - 90.6000	1	1	-0.250 -0.250	6.0000	14.0000	0.0000
6" x 1" Flat Plate **	C	No	Surface Af (CaAa)	122.6000 - 100.6000	1	1	-0.250 -0.250	6.0000	14.0000	0.0000

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
FB-L98B-002-75000(3/8")	B	No	No	Inside Pole	156.0000 - 0.0000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.0586 0.0586 0.0586 0.0586
WR-VG86ST-BRD(3/4")	B	No	No	Inside Pole	156.0000 - 0.0000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.5840 0.5840 0.5840 0.5840
AVA7-50(1-5/8")	B	No	No	Inside Pole	139.0000 - 0.0000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.7000 0.7000 0.7000 0.7000
LDF4-50A(1/2")	B	No	No	Inside Pole	101.0000 -	1	No Ice	0.0000	0.1500

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
					0.0000		1/2" Ice	0.0000	0.1500
							1" Ice	0.0000	0.1500
							2" Ice	0.0000	0.1500
561(1-5/8")	A	No	No	Inside Pole	132.0000 - 0.0000	2	No Ice	0.0000	1.3500
							1/2" Ice	0.0000	1.3500
							1" Ice	0.0000	1.3500
							2" Ice	0.0000	1.3500
HB114-U6S12-xxx-LI(1-1/4")	A	No	No	Inside Pole	132.0000 - 0.0000	1	No Ice	0.0000	1.7000
							1/2" Ice	0.0000	1.7000
							1" Ice	0.0000	1.7000
							2" Ice	0.0000	1.7000
**									
**									
**									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.0000-155.0000	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	2.184	0.000	0.0186
		C	0.000	0.000	0.000	0.000	0.0000
L2	155.0000-150.0000	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	10.920	0.000	0.0929
		C	0.000	0.000	0.000	0.000	0.0000
L3	150.0000-146.0000	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	8.736	0.000	0.0743
		C	0.000	0.000	0.000	0.000	0.0000
L4	146.0000-141.0000	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	14.000	0.000	0.1145
		C	0.000	0.000	0.000	0.000	0.0000
L5	141.0000-136.0000	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	14.000	0.000	0.1271
		C	0.000	0.000	0.000	0.000	0.0000
L6	136.0000-131.0000	A	0.000	0.000	0.650	0.000	0.0098
		B	0.000	0.000	14.000	0.000	0.1355
		C	0.000	0.000	0.000	0.000	0.0000
L7	131.0000-126.0000	A	0.000	0.000	3.817	0.000	0.0504
		B	0.000	0.000	14.000	0.000	0.1355
		C	0.000	0.000	0.000	0.000	0.0000
L8	126.0000-121.0000	A	0.000	0.000	5.795	0.000	0.0513
		B	0.000	0.000	15.600	0.000	0.1355
		C	0.000	0.000	1.600	0.000	0.0000
L9	121.0000-120.1000	A	0.000	0.000	1.655	0.000	0.0092
		B	0.000	0.000	3.420	0.000	0.0244
		C	0.000	0.000	0.900	0.000	0.0000
L10	120.1000-119.8500	A	0.000	0.000	0.460	0.000	0.0026
		B	0.000	0.000	0.950	0.000	0.0068
		C	0.000	0.000	0.250	0.000	0.0000
L11	119.8500-117.5000	A	0.000	0.000	4.322	0.000	0.0241
		B	0.000	0.000	10.055	0.000	0.0637
		C	0.000	0.000	2.350	0.000	0.0000
L12	117.5000-117.2500	A	0.000	0.000	0.460	0.000	0.0026
		B	0.000	0.000	1.138	0.000	0.0068
		C	0.000	0.000	0.250	0.000	0.0000
L13	117.2500-115.5000	A	0.000	0.000	4.343	0.000	0.0179
		B	0.000	0.000	7.962	0.000	0.0474
		C	0.000	0.000	2.875	0.000	0.0000
L14	115.5000-115.2500	A	0.000	0.000	0.647	0.000	0.0026
		B	0.000	0.000	1.138	0.000	0.0068
		C	0.000	0.000	0.438	0.000	0.0000

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L15	115.2500-110.2500	A	0.000	0.000	12.945	0.000	0.0513
		B	0.000	0.000	22.750	0.000	0.1355
		C	0.000	0.000	8.750	0.000	0.0000
L16	110.2500-103.7500	A	0.000	0.000	16.828	0.000	0.0666
		B	0.000	0.000	29.575	0.000	0.1762
		C	0.000	0.000	11.375	0.000	0.0000
L17	103.7500-102.5000	A	0.000	0.000	3.236	0.000	0.0128
		B	0.000	0.000	5.688	0.000	0.0339
		C	0.000	0.000	2.188	0.000	0.0000
L18	102.5000-100.5000	A	0.000	0.000	5.178	0.000	0.0205
		B	0.000	0.000	9.100	0.000	0.0543
		C	0.000	0.000	3.400	0.000	0.0000
L19	100.5000-100.2500	A	0.000	0.000	0.897	0.000	0.0026
		B	0.000	0.000	1.388	0.000	0.0068
		C	0.000	0.000	0.438	0.000	0.0000
L20	100.2500-98.5000	A	0.000	0.000	6.281	0.000	0.0179
		B	0.000	0.000	9.338	0.000	0.0477
		C	0.000	0.000	3.063	0.000	0.0000
L21	98.5000-98.2500	A	0.000	0.000	0.897	0.000	0.0026
		B	0.000	0.000	1.200	0.000	0.0068
		C	0.000	0.000	0.438	0.000	0.0000
L22	98.2500-93.2500	A	0.000	0.000	15.133	0.000	0.0513
		B	0.000	0.000	24.000	0.000	0.1363
		C	0.000	0.000	5.938	0.000	0.0000
L23	93.2500-90.5000	A	0.000	0.000	7.707	0.000	0.0282
		B	0.000	0.000	13.100	0.000	0.0749
		C	0.000	0.000	2.750	0.000	0.0000
L24	90.5000-90.2500	A	0.000	0.000	0.814	0.000	0.0026
		B	0.000	0.000	1.304	0.000	0.0068
		C	0.000	0.000	0.250	0.000	0.0000
L25	90.2500-85.2500	A	0.000	0.000	16.543	0.000	0.0513
		B	0.000	0.000	26.348	0.000	0.1363
		C	0.000	0.000	5.264	0.000	0.0000
L26	85.2500-83.5000	A	0.000	0.000	7.548	0.000	0.0179
		B	0.000	0.000	10.980	0.000	0.0477
		C	0.000	0.000	5.726	0.000	0.0000
L27	83.5000-83.2500	A	0.000	0.000	1.078	0.000	0.0026
		B	0.000	0.000	1.569	0.000	0.0068
		C	0.000	0.000	0.869	0.000	0.0000
L28	83.2500-80.7500	A	0.000	0.000	10.783	0.000	0.0256
		B	0.000	0.000	15.685	0.000	0.0681
		C	0.000	0.000	8.685	0.000	0.0000
L29	80.7500-80.5000	A	0.000	0.000	1.078	0.000	0.0026
		B	0.000	0.000	1.569	0.000	0.0068
		C	0.000	0.000	0.869	0.000	0.0000
L30	80.5000-80.2500	A	0.000	0.000	1.078	0.000	0.0026
		B	0.000	0.000	1.569	0.000	0.0068
		C	0.000	0.000	0.869	0.000	0.0000
L31	80.2500-77.5000	A	0.000	0.000	11.861	0.000	0.0282
		B	0.000	0.000	17.254	0.000	0.0749
		C	0.000	0.000	9.554	0.000	0.0000
L32	77.5000-77.2500	A	0.000	0.000	1.078	0.000	0.0026
		B	0.000	0.000	1.569	0.000	0.0068
		C	0.000	0.000	0.869	0.000	0.0000
L33	77.2500-68.5000	A	0.000	0.000	33.510	0.000	0.0897
		B	0.000	0.000	50.669	0.000	0.2384
		C	0.000	0.000	26.169	0.000	0.0000
L34	68.5000-68.0000	A	0.000	0.000	1.628	0.000	0.0051
		B	0.000	0.000	2.608	0.000	0.0136
		C	0.000	0.000	1.208	0.000	0.0000
L35	68.0000-64.2500	A	0.000	0.000	15.188	0.000	0.0384
		B	0.000	0.000	22.542	0.000	0.1022
		C	0.000	0.000	12.042	0.000	0.0000
L36	64.2500-64.0000	A	0.000	0.000	1.085	0.000	0.0026
		B	0.000	0.000	1.575	0.000	0.0068
		C	0.000	0.000	0.875	0.000	0.0000
L37	64.0000-60.5000	A	0.000	0.000	15.983	0.000	0.0359
		B	0.000	0.000	22.050	0.000	0.0954
		C	0.000	0.000	12.250	0.000	0.0000

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L38	60.5000-60.2500	A	0.000	0.000	1.305	0.000	0.0026
		B	0.000	0.000	1.795	0.000	0.0068
		C	0.000	0.000	1.095	0.000	0.0000
L39	60.2500-60.1000	A	0.000	0.000	0.783	0.000	0.0015
		B	0.000	0.000	1.077	0.000	0.0041
		C	0.000	0.000	0.657	0.000	0.0000
L40	60.1000-59.8500	A	0.000	0.000	1.305	0.000	0.0026
		B	0.000	0.000	1.795	0.000	0.0068
		C	0.000	0.000	0.882	0.000	0.0000
L41	59.8500-59.1000	A	0.000	0.000	3.914	0.000	0.0077
		B	0.000	0.000	5.385	0.000	0.0204
		C	0.000	0.000	2.223	0.000	0.0000
L42	59.1000-58.8500	A	0.000	0.000	1.305	0.000	0.0026
		B	0.000	0.000	1.795	0.000	0.0068
		C	0.000	0.000	0.741	0.000	0.0000
L43	58.8500-55.4000	A	0.000	0.000	17.864	0.000	0.0354
		B	0.000	0.000	24.629	0.000	0.0940
		C	0.000	0.000	10.224	0.000	0.0000
L44	55.4000-55.1500	A	0.000	0.000	1.305	0.000	0.0026
		B	0.000	0.000	1.795	0.000	0.0068
		C	0.000	0.000	0.741	0.000	0.0000
L45	55.1500-54.7500	A	0.000	0.000	2.088	0.000	0.0041
		B	0.000	0.000	2.872	0.000	0.0109
		C	0.000	0.000	1.185	0.000	0.0000
L46	54.7500-54.5000	A	0.000	0.000	1.305	0.000	0.0026
		B	0.000	0.000	1.795	0.000	0.0068
		C	0.000	0.000	0.741	0.000	0.0000
L47	54.5000-49.5000	A	0.000	0.000	23.387	0.000	0.0513
		B	0.000	0.000	33.192	0.000	0.1363
		C	0.000	0.000	12.108	0.000	0.0000
L48	49.5000-44.5000	A	0.000	0.000	20.678	0.000	0.0513
		B	0.000	0.000	30.483	0.000	0.1363
		C	0.000	0.000	10.817	0.000	0.0000
L49	44.5000-41.3000	A	0.000	0.000	13.234	0.000	0.0328
		B	0.000	0.000	19.509	0.000	0.0872
		C	0.000	0.000	10.549	0.000	0.0000
L50	41.3000-41.0500	A	0.000	0.000	1.034	0.000	0.0026
		B	0.000	0.000	1.524	0.000	0.0068
		C	0.000	0.000	0.824	0.000	0.0000
L51	41.0500-34.0000	A	0.000	0.000	33.490	0.000	0.0723
		B	0.000	0.000	47.315	0.000	0.1921
		C	0.000	0.000	27.575	0.000	0.0000
L52	34.0000-33.0000	A	0.000	0.000	5.219	0.000	0.0103
		B	0.000	0.000	7.180	0.000	0.0273
		C	0.000	0.000	4.380	0.000	0.0000
L53	33.0000-31.5000	A	0.000	0.000	7.829	0.000	0.0154
		B	0.000	0.000	10.770	0.000	0.0409
		C	0.000	0.000	6.570	0.000	0.0000
L54	31.5000-31.2500	A	0.000	0.000	1.527	0.000	0.0026
		B	0.000	0.000	1.795	0.000	0.0068
		C	0.000	0.000	1.095	0.000	0.0000
L55	31.2500-30.5000	A	0.000	0.000	4.182	0.000	0.0077
		B	0.000	0.000	5.385	0.000	0.0204
		C	0.000	0.000	3.285	0.000	0.0000
L56	30.5000-30.2500	A	0.000	0.000	1.307	0.000	0.0026
		B	0.000	0.000	1.797	0.000	0.0068
		C	0.000	0.000	1.097	0.000	0.0000
L57	30.2500-25.7500	A	0.000	0.000	23.523	0.000	0.0461
		B	0.000	0.000	32.347	0.000	0.1226
		C	0.000	0.000	19.747	0.000	0.0000
L58	25.7500-25.5000	A	0.000	0.000	1.307	0.000	0.0026
		B	0.000	0.000	1.797	0.000	0.0068
		C	0.000	0.000	1.097	0.000	0.0000
L59	25.5000-24.7000	A	0.000	0.000	4.182	0.000	0.0082
		B	0.000	0.000	5.751	0.000	0.0218
		C	0.000	0.000	3.511	0.000	0.0000
L60	24.7000-24.4500	A	0.000	0.000	1.307	0.000	0.0026
		B	0.000	0.000	1.797	0.000	0.0068
		C	0.000	0.000	1.097	0.000	0.0000

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L61	24.4500-24.0000	A	0.000	0.000	2.352	0.000	0.0046
		B	0.000	0.000	3.235	0.000	0.0123
		C	0.000	0.000	1.975	0.000	0.0000
L62	24.0000-23.7500	A	0.000	0.000	1.307	0.000	0.0026
		B	0.000	0.000	1.797	0.000	0.0068
		C	0.000	0.000	1.097	0.000	0.0000
L63	23.7500-18.7500	A	0.000	0.000	19.195	0.000	0.0513
		B	0.000	0.000	29.000	0.000	0.1363
		C	0.000	0.000	17.337	0.000	0.0000
L64	18.7500-14.1000	A	0.000	0.000	13.797	0.000	0.0477
		B	0.000	0.000	22.916	0.000	0.1267
		C	0.000	0.000	15.368	0.000	0.0000
L65	14.1000-13.8000	A	0.000	0.000	1.057	0.000	0.0031
		B	0.000	0.000	1.646	0.000	0.0082
		C	0.000	0.000	0.992	0.000	0.0000
L66	13.8000-13.6500	A	0.000	0.000	0.529	0.000	0.0015
		B	0.000	0.000	0.823	0.000	0.0041
		C	0.000	0.000	0.496	0.000	0.0000
L67	13.6500-10.5000	A	0.000	0.000	10.212	0.000	0.0323
		B	0.000	0.000	17.278	0.000	0.0858
		C	0.000	0.000	10.411	0.000	0.0000
L68	10.5000-10.2500	A	0.000	0.000	0.659	0.000	0.0026
		B	0.000	0.000	1.371	0.000	0.0068
		C	0.000	0.000	0.700	0.000	0.0000
L69	10.2500-5.2500	A	0.000	0.000	13.178	0.000	0.0513
		B	0.000	0.000	27.425	0.000	0.1363
		C	0.000	0.000	14.002	0.000	0.0000
L70	5.2500-3.0000	A	0.000	0.000	5.930	0.000	0.0231
		B	0.000	0.000	12.341	0.000	0.0613
		C	0.000	0.000	6.301	0.000	0.0000
L71	3.0000-2.9000	A	0.000	0.000	0.264	0.000	0.0010
		B	0.000	0.000	0.548	0.000	0.0027
		C	0.000	0.000	0.280	0.000	0.0000
L72	2.9000-2.7500	A	0.000	0.000	0.395	0.000	0.0015
		B	0.000	0.000	0.823	0.000	0.0041
		C	0.000	0.000	0.420	0.000	0.0000
L73	2.7500-2.6500	A	0.000	0.000	0.264	0.000	0.0010
		B	0.000	0.000	0.548	0.000	0.0027
		C	0.000	0.000	0.280	0.000	0.0000
L74	2.6500-2.5000	A	0.000	0.000	0.395	0.000	0.0015
		B	0.000	0.000	0.823	0.000	0.0041
		C	0.000	0.000	0.420	0.000	0.0000
L75	2.5000-2.2500	A	0.000	0.000	0.659	0.000	0.0026
		B	0.000	0.000	1.371	0.000	0.0068
		C	0.000	0.000	0.700	0.000	0.0000
L76	2.2500-1.9000	A	0.000	0.000	0.922	0.000	0.0036
		B	0.000	0.000	1.920	0.000	0.0095
		C	0.000	0.000	0.980	0.000	0.0000
L77	1.9000-1.6500	A	0.000	0.000	0.659	0.000	0.0026
		B	0.000	0.000	1.371	0.000	0.0068
		C	0.000	0.000	0.700	0.000	0.0000
L78	1.6500-0.0000	A	0.000	0.000	3.849	0.000	0.0169
		B	0.000	0.000	8.550	0.000	0.0450
		C	0.000	0.000	3.665	0.000	0.0000

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.0000-155.0000	A	1.988	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	3.724	0.000	0.0685
		C		0.000	0.000	0.000	0.000	0.0000
L2	155.0000-150.0000	A	1.981	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	18.603	0.000	0.3414
		C		0.000	0.000	0.000	0.000	0.0000

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L3	150.0000-146.0000	A	1.975	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	14.871	0.000	0.2725
		C		0.000	0.000	0.000	0.000	0.0000
L4	146.0000-141.0000	A	1.969	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	24.884	0.000	0.4419
		C		0.000	0.000	0.000	0.000	0.0000
L5	141.0000-136.0000	A	1.962	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	24.858	0.000	0.4531
		C		0.000	0.000	0.000	0.000	0.0000
L6	136.0000-131.0000	A	1.955	0.000	0.000	1.301	0.000	0.0264
		B		0.000	0.000	24.831	0.000	0.4601
		C		0.000	0.000	0.000	0.000	0.0000
L7	131.0000-126.0000	A	1.948	0.000	0.000	8.666	0.000	0.1574
		B		0.000	0.000	24.803	0.000	0.4587
		C		0.000	0.000	0.000	0.000	0.0000
L8	126.0000-121.0000	A	1.940	0.000	0.000	12.314	0.000	0.1996
		B		0.000	0.000	26.995	0.000	0.4830
		C		0.000	0.000	2.221	0.000	0.0258
L9	121.0000-120.1000	A	1.935	0.000	0.000	3.063	0.000	0.0457
		B		0.000	0.000	5.705	0.000	0.0966
		C		0.000	0.000	1.248	0.000	0.0144
L10	120.1000-119.8500	A	1.934	0.000	0.000	0.851	0.000	0.0127
		B		0.000	0.000	1.584	0.000	0.0268
		C		0.000	0.000	0.347	0.000	0.0040
L11	119.8500-117.5000	A	1.932	0.000	0.000	7.993	0.000	0.1190
		B		0.000	0.000	16.593	0.000	0.2725
		C		0.000	0.000	3.258	0.000	0.0376
L12	117.5000-117.2500	A	1.930	0.000	0.000	0.850	0.000	0.0126
		B		0.000	0.000	1.867	0.000	0.0302
		C		0.000	0.000	0.346	0.000	0.0040
L13	117.2500-115.5000	A	1.928	0.000	0.000	7.651	0.000	0.1090
		B		0.000	0.000	13.068	0.000	0.2112
		C		0.000	0.000	4.128	0.000	0.0485
L14	115.5000-115.2500	A	1.927	0.000	0.000	1.133	0.000	0.0161
		B		0.000	0.000	1.866	0.000	0.0301
		C		0.000	0.000	0.630	0.000	0.0074
L15	115.2500-110.2500	A	1.922	0.000	0.000	22.644	0.000	0.3202
		B		0.000	0.000	37.303	0.000	0.6017
		C		0.000	0.000	12.594	0.000	0.1478
L16	110.2500-103.7500	A	1.912	0.000	0.000	29.378	0.000	0.4138
		B		0.000	0.000	48.418	0.000	0.7783
		C		0.000	0.000	16.347	0.000	0.1908
L17	103.7500-102.5000	A	1.905	0.000	0.000	5.650	0.000	0.0796
		B		0.000	0.000	9.311	0.000	0.1497
		C		0.000	0.000	3.144	0.000	0.0367
L18	102.5000-100.5000	A	1.902	0.000	0.000	9.021	0.000	0.1266
		B		0.000	0.000	14.875	0.000	0.2384
		C		0.000	0.000	4.884	0.000	0.0567
L19	100.5000-100.2500	A	1.900	0.000	0.000	1.472	0.000	0.0197
		B		0.000	0.000	2.204	0.000	0.0337
		C		0.000	0.000	0.628	0.000	0.0073
L20	100.2500-98.5000	A	1.898	0.000	0.000	10.302	0.000	0.1378
		B		0.000	0.000	14.857	0.000	0.2290
		C		0.000	0.000	4.391	0.000	0.0509
L21	98.5000-98.2500	A	1.896	0.000	0.000	1.471	0.000	0.0197
		B		0.000	0.000	1.920	0.000	0.0303
		C		0.000	0.000	0.627	0.000	0.0073
L22	98.2500-93.2500	A	1.891	0.000	0.000	25.164	0.000	0.3420
		B		0.000	0.000	38.374	0.000	0.6042
		C		0.000	0.000	8.301	0.000	0.0945
L23	93.2500-90.5000	A	1.883	0.000	0.000	12.908	0.000	0.1766
		B		0.000	0.000	20.943	0.000	0.3295
		C		0.000	0.000	3.786	0.000	0.0426
L24	90.5000-90.2500	A	1.880	0.000	0.000	1.289	0.000	0.0172
		B		0.000	0.000	2.020	0.000	0.0311
		C		0.000	0.000	0.344	0.000	0.0039
L25	90.2500-85.2500	A	1.875	0.000	0.000	26.076	0.000	0.3463
		B		0.000	0.000	40.676	0.000	0.6235
		C		0.000	0.000	7.188	0.000	0.0810

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L26	85.2500-83.5000	A	1.867	0.000	0.000	11.199	0.000	0.1479
		B		0.000	0.000	16.306	0.000	0.2447
		C		0.000	0.000	7.278	0.000	0.0844
L27	83.5000-83.2500	A	1.865	0.000	0.000	1.599	0.000	0.0211
		B		0.000	0.000	2.329	0.000	0.0349
		C		0.000	0.000	1.103	0.000	0.0127
L28	83.2500-80.7500	A	1.862	0.000	0.000	15.985	0.000	0.2106
		B		0.000	0.000	23.277	0.000	0.3485
		C		0.000	0.000	11.030	0.000	0.1270
L29	80.7500-80.5000	A	1.859	0.000	0.000	1.598	0.000	0.0210
		B		0.000	0.000	2.327	0.000	0.0348
		C		0.000	0.000	1.103	0.000	0.0127
L30	80.5000-80.2500	A	1.858	0.000	0.000	1.598	0.000	0.0210
		B		0.000	0.000	2.327	0.000	0.0348
		C		0.000	0.000	1.103	0.000	0.0127
L31	80.2500-77.5000	A	1.855	0.000	0.000	17.564	0.000	0.2307
		B		0.000	0.000	25.580	0.000	0.3819
		C		0.000	0.000	12.123	0.000	0.1390
L32	77.5000-77.2500	A	1.851	0.000	0.000	1.596	0.000	0.0209
		B		0.000	0.000	2.324	0.000	0.0347
		C		0.000	0.000	1.102	0.000	0.0126
L33	77.2500-68.5000	A	1.840	0.000	0.000	50.753	0.000	0.6630
		B		0.000	0.000	76.227	0.000	1.1415
		C		0.000	0.000	33.511	0.000	0.3733
L34	68.5000-68.0000	A	1.828	0.000	0.000	2.561	0.000	0.0335
		B		0.000	0.000	4.016	0.000	0.0609
		C		0.000	0.000	1.576	0.000	0.0170
L35	68.0000-64.2500	A	1.822	0.000	0.000	22.755	0.000	0.2924
		B		0.000	0.000	33.656	0.000	0.4961
		C		0.000	0.000	15.401	0.000	0.1693
L36	64.2500-64.0000	A	1.817	0.000	0.000	1.603	0.000	0.0205
		B		0.000	0.000	2.329	0.000	0.0340
		C		0.000	0.000	1.114	0.000	0.0123
L37	64.0000-60.5000	A	1.811	0.000	0.000	23.583	0.000	0.2996
		B		0.000	0.000	32.589	0.000	0.4750
		C		0.000	0.000	15.581	0.000	0.1715
L38	60.5000-60.2500	A	1.806	0.000	0.000	1.911	0.000	0.0240
		B		0.000	0.000	2.636	0.000	0.0375
		C		0.000	0.000	1.423	0.000	0.0159
L39	60.2500-60.1000	A	1.805	0.000	0.000	1.146	0.000	0.0144
		B		0.000	0.000	1.582	0.000	0.0225
		C		0.000	0.000	0.853	0.000	0.0095
L40	60.1000-59.8500	A	1.805	0.000	0.000	1.910	0.000	0.0240
		B		0.000	0.000	2.636	0.000	0.0375
		C		0.000	0.000	1.156	0.000	0.0131
L41	59.8500-59.1000	A	1.803	0.000	0.000	5.730	0.000	0.0720
		B		0.000	0.000	7.906	0.000	0.1124
		C		0.000	0.000	2.934	0.000	0.0338
L42	59.1000-58.8500	A	1.802	0.000	0.000	1.909	0.000	0.0240
		B		0.000	0.000	2.635	0.000	0.0374
		C		0.000	0.000	0.978	0.000	0.0113
L43	58.8500-55.4000	A	1.796	0.000	0.000	26.148	0.000	0.3278
		B		0.000	0.000	36.154	0.000	0.5133
		C		0.000	0.000	13.483	0.000	0.1546
L44	55.4000-55.1500	A	1.790	0.000	0.000	1.906	0.000	0.0238
		B		0.000	0.000	2.631	0.000	0.0372
		C		0.000	0.000	0.976	0.000	0.0112
L45	55.1500-54.7500	A	1.789	0.000	0.000	3.049	0.000	0.0381
		B		0.000	0.000	4.208	0.000	0.0595
		C		0.000	0.000	1.562	0.000	0.0178
L46	54.7500-54.5000	A	1.788	0.000	0.000	1.905	0.000	0.0238
		B		0.000	0.000	2.630	0.000	0.0372
		C		0.000	0.000	0.976	0.000	0.0111
L47	54.5000-49.5000	A	1.779	0.000	0.000	34.782	0.000	0.4341
		B		0.000	0.000	49.262	0.000	0.7012
		C		0.000	0.000	16.228	0.000	0.1829
L48	49.5000-44.5000	A	1.761	0.000	0.000	31.413	0.000	0.3912
		B		0.000	0.000	45.871	0.000	0.6563
		C		0.000	0.000	14.691	0.000	0.1604

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L49	44.5000-41.3000	A	1.745	0.000	0.000	20.048	0.000	0.2478
		B		0.000	0.000	29.288	0.000	0.4164
		C		0.000	0.000	13.900	0.000	0.1468
L50	41.3000-41.0500	A	1.738	0.000	0.000	1.564	0.000	0.0193
		B		0.000	0.000	2.286	0.000	0.0324
		C		0.000	0.000	1.085	0.000	0.0114
L51	41.0500-34.0000	A	1.722	0.000	0.000	49.198	0.000	0.5967
		B		0.000	0.000	69.514	0.000	0.9647
		C		0.000	0.000	35.735	0.000	0.3769
L52	34.0000-33.0000	A	1.703	0.000	0.000	7.543	0.000	0.0910
		B		0.000	0.000	10.425	0.000	0.1432
		C		0.000	0.000	5.634	0.000	0.0598
L53	33.0000-31.5000	A	1.696	0.000	0.000	11.266	0.000	0.1342
		B		0.000	0.000	15.579	0.000	0.2117
		C		0.000	0.000	8.421	0.000	0.0880
L54	31.5000-31.2500	A	1.691	0.000	0.000	2.183	0.000	0.0258
		B		0.000	0.000	2.595	0.000	0.0352
		C		0.000	0.000	1.403	0.000	0.0146
L55	31.2500-30.5000	A	1.689	0.000	0.000	5.979	0.000	0.0709
		B		0.000	0.000	7.782	0.000	0.1054
		C		0.000	0.000	4.207	0.000	0.0438
L56	30.5000-30.2500	A	1.686	0.000	0.000	1.877	0.000	0.0223
		B		0.000	0.000	2.595	0.000	0.0352
		C		0.000	0.000	1.404	0.000	0.0146
L57	30.2500-25.7500	A	1.672	0.000	0.000	33.708	0.000	0.3977
		B		0.000	0.000	46.620	0.000	0.6280
		C		0.000	0.000	25.226	0.000	0.2609
L58	25.7500-25.5000	A	1.658	0.000	0.000	1.868	0.000	0.0219
		B		0.000	0.000	2.585	0.000	0.0346
		C		0.000	0.000	1.399	0.000	0.0143
L59	25.5000-24.7000	A	1.654	0.000	0.000	5.975	0.000	0.0698
		B		0.000	0.000	8.267	0.000	0.1105
		C		0.000	0.000	4.474	0.000	0.0457
L60	24.7000-24.4500	A	1.651	0.000	0.000	1.866	0.000	0.0218
		B		0.000	0.000	2.582	0.000	0.0345
		C		0.000	0.000	1.398	0.000	0.0143
L61	24.4500-24.0000	A	1.648	0.000	0.000	3.358	0.000	0.0391
		B		0.000	0.000	4.646	0.000	0.0619
		C		0.000	0.000	2.515	0.000	0.0256
L62	24.0000-23.7500	A	1.646	0.000	0.000	1.865	0.000	0.0217
		B		0.000	0.000	2.580	0.000	0.0344
		C		0.000	0.000	1.397	0.000	0.0142
L63	23.7500-18.7500	A	1.627	0.000	0.000	28.811	0.000	0.3433
		B		0.000	0.000	43.101	0.000	0.5944
		C		0.000	0.000	22.375	0.000	0.2216
L64	18.7500-14.1000	A	1.585	0.000	0.000	21.835	0.000	0.2684
		B		0.000	0.000	35.076	0.000	0.4980
		C		0.000	0.000	19.791	0.000	0.1902
L65	14.1000-13.8000	A	1.560	0.000	0.000	1.632	0.000	0.0194
		B		0.000	0.000	2.484	0.000	0.0340
		C		0.000	0.000	1.272	0.000	0.0120
L66	13.8000-13.6500	A	1.557	0.000	0.000	0.815	0.000	0.0097
		B		0.000	0.000	1.242	0.000	0.0170
		C		0.000	0.000	0.636	0.000	0.0060
L67	13.6500-10.5000	A	1.537	0.000	0.000	15.862	0.000	0.1881
		B		0.000	0.000	25.990	0.000	0.3529
		C		0.000	0.000	13.316	0.000	0.1239
L68	10.5000-10.2500	A	1.514	0.000	0.000	1.050	0.000	0.0126
		B		0.000	0.000	2.055	0.000	0.0276
		C		0.000	0.000	0.892	0.000	0.0088
L69	10.2500-5.2500	A	1.471	0.000	0.000	20.808	0.000	0.2451
		B		0.000	0.000	40.815	0.000	0.5386
		C		0.000	0.000	17.724	0.000	0.1702
L70	5.2500-3.0000	A	1.381	0.000	0.000	9.189	0.000	0.1035
		B		0.000	0.000	18.101	0.000	0.2295
		C		0.000	0.000	7.874	0.000	0.0707
L71	3.0000-2.9000	A	1.335	0.000	0.000	0.404	0.000	0.0045
		B		0.000	0.000	0.798	0.000	0.0099
		C		0.000	0.000	0.348	0.000	0.0030

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L72	2.9000-2.7500	A	1.330	0.000	0.000	0.606	0.000	0.0067
		B		0.000	0.000	1.197	0.000	0.0148
		C		0.000	0.000	0.521	0.000	0.0045
L73	2.7500-2.6500	A	1.324	0.000	0.000	0.403	0.000	0.0044
		B		0.000	0.000	0.797	0.000	0.0098
		C		0.000	0.000	0.347	0.000	0.0030
L74	2.6500-2.5000	A	1.317	0.000	0.000	0.604	0.000	0.0066
		B		0.000	0.000	1.194	0.000	0.0147
		C		0.000	0.000	0.520	0.000	0.0044
L75	2.5000-2.2500	A	1.307	0.000	0.000	1.005	0.000	0.0109
		B		0.000	0.000	1.987	0.000	0.0244
		C		0.000	0.000	0.866	0.000	0.0073
L76	2.2500-1.9000	A	1.289	0.000	0.000	1.402	0.000	0.0151
		B		0.000	0.000	2.773	0.000	0.0337
		C		0.000	0.000	1.209	0.000	0.0101
L77	1.9000-1.6500	A	1.269	0.000	0.000	0.997	0.000	0.0106
		B		0.000	0.000	1.974	0.000	0.0238
		C		0.000	0.000	0.861	0.000	0.0071
L78	1.6500-0.0000	A	1.175	0.000	0.000	5.823	0.000	0.0610
		B		0.000	0.000	12.206	0.000	0.1434
		C		0.000	0.000	4.467	0.000	0.0339

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	160.0000-155.0000	1.5209	-2.7526	1.0897	-1.8866
L2	155.0000-150.0000	3.1519	-5.7044	2.2971	-3.9776
L3	150.0000-146.0000	3.1519	-5.7044	2.2974	-3.9784
L4	146.0000-141.0000	4.1403	-5.7908	3.6102	-4.7155
L5	141.0000-136.0000	4.2287	-5.9136	3.7117	-4.8483
L6	136.0000-131.0000	3.8754	-5.9976	3.3587	-4.9057
L7	131.0000-126.0000	2.0892	-5.8832	1.3647	-4.5188
L8	126.0000-121.0000	1.6513	-5.0767	0.9681	-4.0742
L9	121.0000-120.1000	1.2073	-3.7127	0.8250	-3.4721
L10	120.1000-119.8500	1.2114	-3.7255	0.8279	-3.4847
L11	119.8500-117.5000	1.8386	-3.2390	1.3548	-3.1043
L12	117.5000-117.2500	2.1746	-2.9912	1.6417	-2.9102
L13	117.2500-115.5000	1.1331	-3.0214	0.8243	-2.9543
L14	115.5000-115.2500	0.9878	-3.0392	0.7069	-2.9753
L15	115.2500-110.2500	0.9998	-3.0768	0.7171	-3.0180
L16	110.2500-103.7500	1.0258	-3.1582	0.7393	-3.1110
L17	103.7500-102.5000	1.0198	-3.1393	0.7344	-3.0892
L18	102.5000-100.5000	0.9743	-3.2191	0.6993	-3.1605
L19	100.5000-100.2500	0.8859	-3.8123	0.6612	-3.6503

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L20	100.2500-98.5000	0.6658	-4.0058	0.4651	-3.8217
L21	98.5000-98.2500	0.0768	-4.4869	-0.0563	-4.2393
L22	98.2500-93.2500	0.8140	-4.6507	0.5662	-4.3632
L23	93.2500-90.5000	1.2248	-5.0338	0.8510	-4.4724
L24	90.5000-90.2500	0.5700	-5.0559	0.4915	-4.5402
L25	90.2500-85.2500	0.6351	-5.0235	0.5381	-4.5426
L26	85.2500-83.5000	0.2668	-2.4952	0.2406	-2.8105
L27	83.5000-83.2500	0.0881	-2.3541	0.0955	-2.6971
L28	83.2500-80.7500	0.0884	-2.3690	0.0961	-2.7156
L29	80.7500-80.5000	0.0888	-2.3846	0.0966	-2.7347
L30	80.5000-80.2500	0.0888	-2.3870	0.0967	-2.7378
L31	80.2500-77.5000	0.0892	-2.4031	0.0973	-2.7579
L32	77.5000-77.2500	0.0895	-2.4180	0.0979	-2.7771
L33	77.2500-68.5000	-0.3930	-2.8974	-0.2643	-3.1875
L34	68.5000-68.0000	-1.0891	-3.5381	-0.7620	-3.6885
L35	68.0000-64.2500	-0.1594	-2.7264	-0.0739	-3.0509
L36	64.2500-64.0000	0.1155	-2.5001	0.1406	-2.8686
L37	64.0000-60.5000	0.3392	-2.7219	0.3539	-3.0808
L38	60.5000-60.2500	0.1716	-2.2135	0.1727	-2.5636
L39	60.2500-60.1000	0.1717	-2.2152	0.1729	-2.5658
L40	60.1000-59.8500	0.9121	-2.8247	0.7841	-3.0820
L41	59.8500-59.1000	1.4505	-3.2706	1.2221	-3.4554
L42	59.1000-58.8500	1.4535	-3.2774	1.2250	-3.4630
L43	58.8500-55.4000	1.5076	-3.2892	1.2702	-3.4812
L44	55.4000-55.1500	1.4745	-3.3242	1.2455	-3.5170
L45	55.1500-54.7500	1.4764	-3.3283	1.2473	-3.5218
L46	54.7500-54.5000	1.4777	-3.3313	1.2488	-3.5257
L47	54.5000-49.5000	1.0870	-3.9110	0.9298	-4.0033
L48	49.5000-44.5000	0.2830	-4.3423	0.2987	-4.3588
L49	44.5000-41.3000	-0.9145	-3.2774	-0.6694	-3.5208
L50	41.3000-41.0500	-0.9206	-3.2976	-0.6742	-3.5447
L51	41.0500-34.0000	-0.2483	-2.7718	-0.1542	-3.1210
L52	34.0000-33.0000	0.1843	-2.4117	0.1934	-2.8084
L53	33.0000-31.5000	0.1849	-2.4222	0.1955	-2.8216
L54	31.5000-31.2500	0.9895	-3.1865	0.9533	-3.5288
L55	31.2500-30.5000	0.5171	-2.7515	0.4940	-3.1155
L56	30.5000-30.2500	0.1075	-2.4013	0.1433	-2.8153
L57	30.2500-25.7500	0.1081	-2.4208	0.1453	-2.8396
L58	25.7500-25.5000	0.1087	-2.4402	0.1474	-2.8637
L59	25.5000-24.7000	0.1089	-2.4445	0.1479	-2.8690
L60	24.7000-24.4500	0.1090	-2.4484	0.1484	-2.8740
L61	24.4500-24.0000	0.1091	-2.4512	0.1487	-2.8775
L62	24.0000-23.7500	0.1092	-2.4550	0.1491	-2.8818
L63	23.7500-18.7500	-0.3774	-3.0734	-0.2147	-3.4478
L64	18.7500-14.1000	0.5796	-2.4258	0.5750	-2.9376
L65	14.1000-13.8000	0.5463	-1.5759	0.5478	-2.1410
L66	13.8000-13.6500	0.5466	-1.5770	0.5484	-2.1425
L67	13.6500-10.5000	0.1873	-1.2224	0.2301	-1.8389
L68	10.5000-10.2500	0.0255	-0.8872	0.0654	-1.5654
L69	10.2500-5.2500	0.0250	-0.8933	0.0699	-1.5773
L70	5.2500-3.0000	0.0245	-0.9018	0.0797	-1.5933
L71	3.0000-2.9000	0.0243	-0.9045	0.0848	-1.5981
L72	2.9000-2.7500	0.0243	-0.9046	0.0854	-1.5984
L73	2.7500-2.6500	0.0242	-0.9049	0.0861	-1.5989
L74	2.6500-2.5000	0.0242	-0.9052	0.0868	-1.5994
L75	2.5000-2.2500	0.0242	-0.9056	0.0880	-1.6002
L76	2.2500-1.9000	0.0241	-0.9063	0.0901	-1.6013
L77	1.9000-1.6500	0.0241	-0.9069	0.0924	-1.6024
L78	1.6500-0.0000	-0.0138	-1.0807	0.0491	-1.7848

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	1	LDF7-50A(1-5/8")	155.00 - 156.00	1.0000	1.0000
L1	4	2" Rigid Conduit	155.00 - 156.00	1.0000	1.0000
L2	1	LDF7-50A(1-5/8")	150.00 - 155.00	1.0000	1.0000
L2	4	2" Rigid Conduit	150.00 - 155.00	1.0000	1.0000
L3	1	LDF7-50A(1-5/8")	146.00 - 150.00	1.0000	1.0000
L3	4	2" Rigid Conduit	146.00 - 150.00	1.0000	1.0000
L4	1	LDF7-50A(1-5/8")	141.00 - 146.00	1.0000	1.0000
L4	4	2" Rigid Conduit	141.00 - 146.00	1.0000	1.0000
L4	6	HB114-1-08U4-M5J(1-1/4")	141.00 - 146.00	1.0000	1.0000
L5	1	LDF7-50A(1-5/8")	136.00 - 141.00	1.0000	1.0000
L5	4	2" Rigid Conduit	136.00 - 141.00	1.0000	1.0000
L5	6	HB114-1-08U4-M5J(1-1/4")	136.00 - 141.00	1.0000	1.0000
L6	1	LDF7-50A(1-5/8")	131.00 - 136.00	1.0000	1.0000
L6	4	2" Rigid Conduit	131.00 - 136.00	1.0000	1.0000
L6	6	HB114-1-08U4-M5J(1-1/4")	131.00 - 136.00	1.0000	1.0000
L6	10	561(1-5/8")	131.00 - 132.00	1.0000	1.0000
L7	1	LDF7-50A(1-5/8")	126.00 - 131.00	1.0000	1.0000
L7	4	2" Rigid Conduit	126.00 - 131.00	1.0000	1.0000
L7	6	HB114-1-08U4-M5J(1-1/4")	126.00 - 131.00	1.0000	1.0000
L7	10	561(1-5/8")	126.00 - 131.00	1.0000	1.0000
L7	14	LDF4P-50A(1/2")	126.00 - 129.00	1.0000	1.0000
L8	1	LDF7-50A(1-5/8")	121.00 - 126.00	1.0000	1.0000
L8	4	2" Rigid Conduit	121.00 - 126.00	1.0000	1.0000
L8	6	HB114-1-08U4-M5J(1-1/4")	121.00 - 126.00	1.0000	1.0000
L8	10	561(1-5/8")	121.00 - 126.00	1.0000	1.0000
L8	14	LDF4P-50A(1/2")	121.00 - 126.00	1.0000	1.0000
L8	58	6" x 1" Flat Plate	121.00 - 122.60	1.0000	1.0000
L8	59	6" x 1" Flat Plate	121.00 - 122.60	1.0000	1.0000
L8	60	6" x 1" Flat Plate	121.00 - 122.60	1.0000	1.0000
L9	1	LDF7-50A(1-5/8")	120.10 - 121.00	1.0000	1.0000
L9	4	2" Rigid Conduit	120.10 - 121.00	1.0000	1.0000
L9	6	HB114-1-08U4-M5J(1-1/4")	120.10 - 121.00	1.0000	1.0000
L9	10	561(1-5/8")	120.10 - 121.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L9	14	LDF4P-50A(1/2")	120.10 - 121.00	1.0000	1.0000
L9	58	6" x 1" Flat Plate	120.10 - 121.00	1.0000	1.0000
L9	59	6" x 1" Flat Plate	120.10 - 121.00	1.0000	1.0000
L9	60	6" x 1" Flat Plate	120.10 - 121.00	1.0000	1.0000
L10	1	LDF7-50A(1-5/8")	119.85 - 120.10	1.0000	1.0000
L10	4	2" Rigid Conduit	119.85 - 120.10	1.0000	1.0000
L10	6	HB114-1-08U4-M5J(1-1/4")	119.85 - 120.10	1.0000	1.0000
L10	10	561(1-5/8")	119.85 - 120.10	1.0000	1.0000
L10	14	LDF4P-50A(1/2")	119.85 - 120.10	1.0000	1.0000
L10	58	6" x 1" Flat Plate	119.85 - 120.10	1.0000	1.0000
L10	59	6" x 1" Flat Plate	119.85 - 120.10	1.0000	1.0000
L10	60	6" x 1" Flat Plate	119.85 - 120.10	1.0000	1.0000
L11	1	LDF7-50A(1-5/8")	117.50 - 119.85	1.0000	1.0000
L11	4	2" Rigid Conduit	117.50 - 119.85	1.0000	1.0000
L11	6	HB114-1-08U4-M5J(1-1/4")	117.50 - 119.85	1.0000	1.0000
L11	10	561(1-5/8")	117.50 - 119.85	1.0000	1.0000
L11	14	LDF4P-50A(1/2")	117.50 - 119.85	1.0000	1.0000
L11	52	4.5" x 1" Flat Plate	117.50 - 119.00	1.0000	1.0000
L11	58	6" x 1" Flat Plate	117.50 - 119.85	1.0000	1.0000
L11	59	6" x 1" Flat Plate	117.50 - 119.85	1.0000	1.0000
L11	60	6" x 1" Flat Plate	117.50 - 119.85	1.0000	1.0000
L12	1	LDF7-50A(1-5/8")	117.25 - 117.50	1.0000	1.0000
L12	4	2" Rigid Conduit	117.25 - 117.50	1.0000	1.0000
L12	6	HB114-1-08U4-M5J(1-1/4")	117.25 - 117.50	1.0000	1.0000
L12	10	561(1-5/8")	117.25 - 117.50	1.0000	1.0000
L12	14	LDF4P-50A(1/2")	117.25 - 117.50	1.0000	1.0000
L12	52	4.5" x 1" Flat Plate	117.25 - 117.50	1.0000	1.0000
L12	58	6" x 1" Flat Plate	117.25 - 117.50	1.0000	1.0000
L12	59	6" x 1" Flat Plate	117.25 - 117.50	1.0000	1.0000
L12	60	6" x 1" Flat Plate	117.25 - 117.50	1.0000	1.0000
L13	1	LDF7-50A(1-5/8")	115.50 - 117.25	1.0000	1.0000
L13	4	2" Rigid Conduit	115.50 - 117.25	1.0000	1.0000
L13	6	HB114-1-08U4-M5J(1-1/4")	115.50 - 117.25	1.0000	1.0000
L13	10	561(1-5/8")	115.50 - 117.25	1.0000	1.0000
L13	14	LDF4P-50A(1/2")	115.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L13	50	4.5" x 1" Flat Plate	117.25 115.50 - 117.00	1.0000	1.0000
L13	51	4.5" x 1" Flat Plate	115.50 - 117.00	1.0000	1.0000
L13	52	4.5" x 1" Flat Plate	115.50 - 117.25	1.0000	1.0000
L13	58	6" x 1" Flat Plate	115.50 - 117.25	1.0000	1.0000
L13	59	6" x 1" Flat Plate	115.50 - 117.25	1.0000	1.0000
L13	60	6" x 1" Flat Plate	115.50 - 117.25	1.0000	1.0000
L14	1	LDF7-50A(1-5/8")	115.25 - 115.50	1.0000	1.0000
L14	4	2" Rigid Conduit	115.25 - 115.50	1.0000	1.0000
L14	6	HB114-1-08U4-M5J(1-1/4")	115.25 - 115.50	1.0000	1.0000
L14	10	561(1-5/8")	115.25 - 115.50	1.0000	1.0000
L14	14	LDF4P-50A(1/2")	115.25 - 115.50	1.0000	1.0000
L14	50	4.5" x 1" Flat Plate	115.25 - 115.50	1.0000	1.0000
L14	51	4.5" x 1" Flat Plate	115.25 - 115.50	1.0000	1.0000
L14	52	4.5" x 1" Flat Plate	115.25 - 115.50	1.0000	1.0000
L14	58	6" x 1" Flat Plate	115.25 - 115.50	1.0000	1.0000
L14	59	6" x 1" Flat Plate	115.25 - 115.50	1.0000	1.0000
L14	60	6" x 1" Flat Plate	115.25 - 115.50	1.0000	1.0000
L15	1	LDF7-50A(1-5/8")	110.25 - 115.25	1.0000	1.0000
L15	4	2" Rigid Conduit	110.25 - 115.25	1.0000	1.0000
L15	6	HB114-1-08U4-M5J(1-1/4")	110.25 - 115.25	1.0000	1.0000
L15	10	561(1-5/8")	110.25 - 115.25	1.0000	1.0000
L15	14	LDF4P-50A(1/2")	110.25 - 115.25	1.0000	1.0000
L15	50	4.5" x 1" Flat Plate	110.25 - 115.25	1.0000	1.0000
L15	51	4.5" x 1" Flat Plate	110.25 - 115.25	1.0000	1.0000
L15	52	4.5" x 1" Flat Plate	110.25 - 115.25	1.0000	1.0000
L15	58	6" x 1" Flat Plate	110.25 - 115.25	1.0000	1.0000
L15	59	6" x 1" Flat Plate	110.25 - 115.25	1.0000	1.0000
L15	60	6" x 1" Flat Plate	110.25 - 115.25	1.0000	1.0000
L16	1	LDF7-50A(1-5/8")	103.75 - 110.25	1.0000	1.0000
L16	4	2" Rigid Conduit	103.75 - 110.25	1.0000	1.0000
L16	6	HB114-1-08U4-M5J(1-1/4")	103.75 - 110.25	1.0000	1.0000
L16	10	561(1-5/8")	103.75 - 110.25	1.0000	1.0000
L16	14	LDF4P-50A(1/2")	103.75 - 110.25	1.0000	1.0000
L16	50	4.5" x 1" Flat Plate	103.75 - 110.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L16	51	4.5" x 1" Flat Plate	103.75 - 110.25	1.0000	1.0000
L16	52	4.5" x 1" Flat Plate	103.75 - 110.25	1.0000	1.0000
L16	58	6" x 1" Flat Plate	103.75 - 110.25	1.0000	1.0000
L16	59	6" x 1" Flat Plate	103.75 - 110.25	1.0000	1.0000
L16	60	6" x 1" Flat Plate	103.75 - 110.25	1.0000	1.0000
L18	1	LDF7-50A(1-5/8")	100.50 - 102.50	1.0000	1.0000
L18	4	2" Rigid Conduit	100.50 - 102.50	1.0000	1.0000
L18	6	HB114-1-08U4-M5J(1-1/4")	100.50 - 102.50	1.0000	1.0000
L18	10	561(1-5/8")	100.50 - 102.50	1.0000	1.0000
L18	14	LDF4P-50A(1/2")	100.50 - 102.50	1.0000	1.0000
L18	50	4.5" x 1" Flat Plate	100.50 - 102.50	1.0000	1.0000
L18	51	4.5" x 1" Flat Plate	100.50 - 102.50	1.0000	1.0000
L18	52	4.5" x 1" Flat Plate	100.50 - 102.50	1.0000	1.0000
L18	58	6" x 1" Flat Plate	100.50 - 102.50	1.0000	1.0000
L18	59	6" x 1" Flat Plate	100.50 - 102.50	1.0000	1.0000
L18	60	6" x 1" Flat Plate	100.60 - 102.50	1.0000	1.0000
L19	1	LDF7-50A(1-5/8")	100.25 - 100.50	1.0000	1.0000
L19	4	2" Rigid Conduit	100.25 - 100.50	1.0000	1.0000
L19	6	HB114-1-08U4-M5J(1-1/4")	100.25 - 100.50	1.0000	1.0000
L19	10	561(1-5/8")	100.25 - 100.50	1.0000	1.0000
L19	14	LDF4P-50A(1/2")	100.25 - 100.50	1.0000	1.0000
L19	33	6" x 1" Flat Plate	100.25 - 100.50	1.0000	1.0000
L19	34	6" x 1" Flat Plate	100.25 - 100.50	1.0000	1.0000
L19	35	6" x 1" Flat Plate	100.25 - 100.50	1.0000	1.0000
L19	50	4.5" x 1" Flat Plate	100.25 - 100.50	1.0000	1.0000
L19	51	4.5" x 1" Flat Plate	100.25 - 100.50	1.0000	1.0000
L19	52	4.5" x 1" Flat Plate	100.25 - 100.50	1.0000	1.0000
L19	58	6" x 1" Flat Plate	100.25 - 100.50	1.0000	1.0000
L19	59	6" x 1" Flat Plate	100.25 - 100.50	1.0000	1.0000
L20	1	LDF7-50A(1-5/8")	98.50 - 100.25	1.0000	1.0000
L20	4	2" Rigid Conduit	98.50 - 100.25	1.0000	1.0000
L20	6	HB114-1-08U4-M5J(1-1/4")	98.50 - 100.25	1.0000	1.0000
L20	10	561(1-5/8")	98.50 - 100.25	1.0000	1.0000
L20	14	LDF4P-50A(1/2")	98.50 - 100.25	1.0000	1.0000
L20	33	6" x 1" Flat Plate	98.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L20	34	6" x 1" Flat Plate	100.25 98.50 -	1.0000	1.0000
L20	35	6" x 1" Flat Plate	100.25 98.50 -	1.0000	1.0000
L20	50	4.5" x 1" Flat Plate	100.25 98.50 -	1.0000	1.0000
L20	51	4.5" x 1" Flat Plate	100.25 98.50 -	1.0000	1.0000
L20	52	4.5" x 1" Flat Plate	100.25 99.00 -	1.0000	1.0000
L20	58	6" x 1" Flat Plate	100.25 98.50 -	1.0000	1.0000
L20	59	6" x 1" Flat Plate	100.25 98.50 -	1.0000	1.0000
L21	1	LDF7-50A(1-5/8")	100.25 98.25 -	1.0000	1.0000
L21	4	2" Rigid Conduit	98.50 98.25 -	1.0000	1.0000
L21	6	HB114-1-08U4-M5J(1-1/4")	98.50 98.25 -	1.0000	1.0000
L21	10	561(1-5/8")	98.50 98.25 -	1.0000	1.0000
L21	14	LDF4P-50A(1/2")	98.50 98.25 -	1.0000	1.0000
L21	33	6" x 1" Flat Plate	98.50 98.25 -	1.0000	1.0000
L21	34	6" x 1" Flat Plate	98.50 98.25 -	1.0000	1.0000
L21	35	6" x 1" Flat Plate	98.50 98.25 -	1.0000	1.0000
L21	50	4.5" x 1" Flat Plate	98.50 98.25 -	1.0000	1.0000
L21	51	4.5" x 1" Flat Plate	98.50 98.25 -	1.0000	1.0000
L21	58	6" x 1" Flat Plate	98.50 98.25 -	1.0000	1.0000
L21	59	6" x 1" Flat Plate	98.50 98.25 -	1.0000	1.0000
L22	1	LDF7-50A(1-5/8")	98.50 93.25 -	1.0000	1.0000
L22	4	2" Rigid Conduit	98.25 93.25 -	1.0000	1.0000
L22	6	HB114-1-08U4-M5J(1-1/4")	98.25 93.25 -	1.0000	1.0000
L22	10	561(1-5/8")	98.25 93.25 -	1.0000	1.0000
L22	14	LDF4P-50A(1/2")	98.25 93.25 -	1.0000	1.0000
L22	33	6" x 1" Flat Plate	98.25 93.25 -	1.0000	1.0000
L22	34	6" x 1" Flat Plate	98.25 93.25 -	1.0000	1.0000
L22	35	6" x 1" Flat Plate	98.25 93.25 -	1.0000	1.0000
L22	50	4.5" x 1" Flat Plate	98.25 97.00 -	1.0000	1.0000
L22	51	4.5" x 1" Flat Plate	98.25 97.00 -	1.0000	1.0000
L22	58	6" x 1" Flat Plate	98.25 93.25 -	1.0000	1.0000
L22	59	6" x 1" Flat Plate	98.25 93.25 -	1.0000	1.0000
L23	1	LDF7-50A(1-5/8")	98.25 90.50 -	1.0000	1.0000
L23	4	2" Rigid Conduit	93.25 90.50 -	1.0000	1.0000
L23	6	HB114-1-08U4-M5J(1-1/4")	93.25 90.50 -	1.0000	1.0000
			93.25		

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L23	10	561(1-5/8")	90.50 - 93.25	1.0000	1.0000
L23	14	LDF4P-50A(1/2")	90.50 - 93.25	1.0000	1.0000
L23	33	6" x 1" Flat Plate	90.50 - 93.25	1.0000	1.0000
L23	34	6" x 1" Flat Plate	90.50 - 93.25	1.0000	1.0000
L23	35	6" x 1" Flat Plate	90.50 - 93.25	1.0000	1.0000
L23	58	6" x 1" Flat Plate	90.60 - 93.25	1.0000	1.0000
L23	59	6" x 1" Flat Plate	90.60 - 93.25	1.0000	1.0000
L24	1	LDF7-50A(1-5/8")	90.25 - 90.50	1.0000	1.0000
L24	4	2" Rigid Conduit	90.25 - 90.50	1.0000	1.0000
L24	6	HB114-1-08U4-M5J(1-1/4")	90.25 - 90.50	1.0000	1.0000
L24	10	561(1-5/8")	90.25 - 90.50	1.0000	1.0000
L24	14	LDF4P-50A(1/2")	90.25 - 90.50	1.0000	1.0000
L24	33	6" x 1" Flat Plate	90.25 - 90.50	1.0000	1.0000
L24	34	6" x 1" Flat Plate	90.25 - 90.50	1.0000	1.0000
L24	35	6" x 1" Flat Plate	90.25 - 90.50	1.0000	1.0000
L24	56	8.5" x 1.25" Flat Plate	90.25 - 90.50	1.0000	1.0000
L24	57	8.5" x 1.25" Flat Plate	90.25 - 90.50	1.0000	1.0000
L25	1	LDF7-50A(1-5/8")	85.25 - 90.25	1.0000	1.0000
L25	4	2" Rigid Conduit	85.25 - 90.25	1.0000	1.0000
L25	6	HB114-1-08U4-M5J(1-1/4")	85.25 - 90.25	1.0000	1.0000
L25	10	561(1-5/8")	85.25 - 90.25	1.0000	1.0000
L25	14	LDF4P-50A(1/2")	85.25 - 90.25	1.0000	1.0000
L25	33	6" x 1" Flat Plate	85.25 - 90.25	1.0000	1.0000
L25	34	6" x 1" Flat Plate	85.25 - 90.25	1.0000	1.0000
L25	35	6" x 1" Flat Plate	85.25 - 90.25	1.0000	1.0000
L25	43	6.5" x 1.25" Flat Plate	85.25 - 85.50	1.0000	1.0000
L25	44	6.5" x 1.25" Flat Plate	85.25 - 85.50	1.0000	1.0000
L25	45	6.5" x 1.25" Flat Plate	85.25 - 85.50	1.0000	1.0000
L25	56	8.5" x 1.25" Flat Plate	85.25 - 90.25	1.0000	1.0000
L25	57	8.5" x 1.25" Flat Plate	85.25 - 90.25	1.0000	1.0000
L26	1	LDF7-50A(1-5/8")	83.50 - 85.25	1.0000	1.0000
L26	4	2" Rigid Conduit	83.50 - 85.25	1.0000	1.0000
L26	6	HB114-1-08U4-M5J(1-1/4")	83.50 - 85.25	1.0000	1.0000
L26	10	561(1-5/8")	83.50 - 85.25	1.0000	1.0000
L26	14	LDF4P-50A(1/2")	83.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L26	33	6" x 1" Flat Plate	83.50 - 85.25	1.0000	1.0000
L26	34	6" x 1" Flat Plate	83.50 - 85.25	1.0000	1.0000
L26	35	6" x 1" Flat Plate	83.50 - 85.25	1.0000	1.0000
L26	43	6.5" x 1.25" Flat Plate	83.50 - 85.25	1.0000	1.0000
L26	44	6.5" x 1.25" Flat Plate	83.50 - 85.25	1.0000	1.0000
L26	45	6.5" x 1.25" Flat Plate	83.50 - 85.25	1.0000	1.0000
L26	49	8.5" x 1.25" Flat Plate	83.50 - 85.00	1.0000	1.0000
L26	56	8.5" x 1.25" Flat Plate	83.50 - 85.25	1.0000	1.0000
L26	57	8.5" x 1.25" Flat Plate	83.50 - 85.25	1.0000	1.0000
L27	1	LDF7-50A(1-5/8")	83.25 - 83.50	1.0000	1.0000
L27	4	2" Rigid Conduit	83.25 - 83.50	1.0000	1.0000
L27	6	HB114-1-08U4-M5J(1-1/4")	83.25 - 83.50	1.0000	1.0000
L27	10	561(1-5/8")	83.25 - 83.50	1.0000	1.0000
L27	14	LDF4P-50A(1/2")	83.25 - 83.50	1.0000	1.0000
L27	33	6" x 1" Flat Plate	83.25 - 83.50	1.0000	1.0000
L27	34	6" x 1" Flat Plate	83.25 - 83.50	1.0000	1.0000
L27	35	6" x 1" Flat Plate	83.25 - 83.50	1.0000	1.0000
L27	43	6.5" x 1.25" Flat Plate	83.25 - 83.50	1.0000	1.0000
L27	44	6.5" x 1.25" Flat Plate	83.25 - 83.50	1.0000	1.0000
L27	45	6.5" x 1.25" Flat Plate	83.25 - 83.50	1.0000	1.0000
L27	49	8.5" x 1.25" Flat Plate	83.25 - 83.50	1.0000	1.0000
L27	56	8.5" x 1.25" Flat Plate	83.25 - 83.50	1.0000	1.0000
L27	57	8.5" x 1.25" Flat Plate	83.25 - 83.50	1.0000	1.0000
L28	1	LDF7-50A(1-5/8")	80.75 - 83.25	1.0000	1.0000
L28	4	2" Rigid Conduit	80.75 - 83.25	1.0000	1.0000
L28	6	HB114-1-08U4-M5J(1-1/4")	80.75 - 83.25	1.0000	1.0000
L28	10	561(1-5/8")	80.75 - 83.25	1.0000	1.0000
L28	14	LDF4P-50A(1/2")	80.75 - 83.25	1.0000	1.0000
L28	33	6" x 1" Flat Plate	80.75 - 83.25	1.0000	1.0000
L28	34	6" x 1" Flat Plate	80.75 - 83.25	1.0000	1.0000
L28	35	6" x 1" Flat Plate	80.75 - 83.25	1.0000	1.0000
L28	43	6.5" x 1.25" Flat Plate	80.75 - 83.25	1.0000	1.0000
L28	44	6.5" x 1.25" Flat Plate	80.75 - 83.25	1.0000	1.0000
L28	45	6.5" x 1.25" Flat Plate	80.75 - 83.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L28	49	8.5" x 1.25" Flat Plate	80.75 - 83.25	1.0000	1.0000
L28	56	8.5" x 1.25" Flat Plate	80.75 - 83.25	1.0000	1.0000
L28	57	8.5" x 1.25" Flat Plate	80.75 - 83.25	1.0000	1.0000
L29	1	LDF7-50A(1-5/8")	80.50 - 80.75	1.0000	1.0000
L29	4	2" Rigid Conduit	80.50 - 80.75	1.0000	1.0000
L29	6	HB114-1-08U4-M5J(1-1/4")	80.50 - 80.75	1.0000	1.0000
L29	10	561(1-5/8")	80.50 - 80.75	1.0000	1.0000
L29	14	LDF4P-50A(1/2")	80.50 - 80.75	1.0000	1.0000
L29	33	6" x 1" Flat Plate	80.50 - 80.75	1.0000	1.0000
L29	34	6" x 1" Flat Plate	80.50 - 80.75	1.0000	1.0000
L29	35	6" x 1" Flat Plate	80.50 - 80.75	1.0000	1.0000
L29	43	6.5" x 1.25" Flat Plate	80.50 - 80.75	1.0000	1.0000
L29	44	6.5" x 1.25" Flat Plate	80.50 - 80.75	1.0000	1.0000
L29	45	6.5" x 1.25" Flat Plate	80.50 - 80.75	1.0000	1.0000
L29	49	8.5" x 1.25" Flat Plate	80.50 - 80.75	1.0000	1.0000
L29	56	8.5" x 1.25" Flat Plate	80.50 - 80.75	1.0000	1.0000
L29	57	8.5" x 1.25" Flat Plate	80.50 - 80.75	1.0000	1.0000
L30	1	LDF7-50A(1-5/8")	80.25 - 80.50	1.0000	1.0000
L30	4	2" Rigid Conduit	80.25 - 80.50	1.0000	1.0000
L30	6	HB114-1-08U4-M5J(1-1/4")	80.25 - 80.50	1.0000	1.0000
L30	10	561(1-5/8")	80.25 - 80.50	1.0000	1.0000
L30	14	LDF4P-50A(1/2")	80.25 - 80.50	1.0000	1.0000
L30	33	6" x 1" Flat Plate	80.25 - 80.50	1.0000	1.0000
L30	34	6" x 1" Flat Plate	80.25 - 80.50	1.0000	1.0000
L30	35	6" x 1" Flat Plate	80.25 - 80.50	1.0000	1.0000
L30	43	6.5" x 1.25" Flat Plate	80.25 - 80.50	1.0000	1.0000
L30	44	6.5" x 1.25" Flat Plate	80.25 - 80.50	1.0000	1.0000
L30	45	6.5" x 1.25" Flat Plate	80.25 - 80.50	1.0000	1.0000
L30	49	8.5" x 1.25" Flat Plate	80.25 - 80.50	1.0000	1.0000
L30	56	8.5" x 1.25" Flat Plate	80.25 - 80.50	1.0000	1.0000
L30	57	8.5" x 1.25" Flat Plate	80.25 - 80.50	1.0000	1.0000
L31	1	LDF7-50A(1-5/8")	77.50 - 80.25	1.0000	1.0000
L31	4	2" Rigid Conduit	77.50 - 80.25	1.0000	1.0000
L31	6	HB114-1-08U4-M5J(1-1/4")	77.50 - 80.25	1.0000	1.0000
L31	10	561(1-5/8")	77.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L31	14	LDF4P-50A(1/2")	80.25 77.50 - 80.25	1.0000	1.0000
L31	33	6" x 1" Flat Plate	77.50 - 80.25	1.0000	1.0000
L31	34	6" x 1" Flat Plate	77.50 - 80.25	1.0000	1.0000
L31	35	6" x 1" Flat Plate	77.50 - 80.25	1.0000	1.0000
L31	43	6.5" x 1.25" Flat Plate	77.50 - 80.25	1.0000	1.0000
L31	44	6.5" x 1.25" Flat Plate	77.50 - 80.25	1.0000	1.0000
L31	45	6.5" x 1.25" Flat Plate	77.50 - 80.25	1.0000	1.0000
L31	49	8.5" x 1.25" Flat Plate	77.50 - 80.25	1.0000	1.0000
L31	56	8.5" x 1.25" Flat Plate	77.50 - 80.25	1.0000	1.0000
L31	57	8.5" x 1.25" Flat Plate	77.50 - 80.25	1.0000	1.0000
L32	1	LDF7-50A(1-5/8")	77.25 - 77.50	1.0000	1.0000
L32	4	2" Rigid Conduit	77.25 - 77.50	1.0000	1.0000
L32	6	HB114-1-08U4-M5J(1-1/4")	77.25 - 77.50	1.0000	1.0000
L32	10	561(1-5/8")	77.25 - 77.50	1.0000	1.0000
L32	14	LDF4P-50A(1/2")	77.25 - 77.50	1.0000	1.0000
L32	33	6" x 1" Flat Plate	77.25 - 77.50	1.0000	1.0000
L32	34	6" x 1" Flat Plate	77.25 - 77.50	1.0000	1.0000
L32	35	6" x 1" Flat Plate	77.25 - 77.50	1.0000	1.0000
L32	43	6.5" x 1.25" Flat Plate	77.25 - 77.50	1.0000	1.0000
L32	44	6.5" x 1.25" Flat Plate	77.25 - 77.50	1.0000	1.0000
L32	45	6.5" x 1.25" Flat Plate	77.25 - 77.50	1.0000	1.0000
L32	49	8.5" x 1.25" Flat Plate	77.25 - 77.50	1.0000	1.0000
L32	56	8.5" x 1.25" Flat Plate	77.25 - 77.50	1.0000	1.0000
L32	57	8.5" x 1.25" Flat Plate	77.25 - 77.50	1.0000	1.0000
L33	1	LDF7-50A(1-5/8")	68.50 - 77.25	1.0000	1.0000
L33	4	2" Rigid Conduit	68.50 - 77.25	1.0000	1.0000
L33	6	HB114-1-08U4-M5J(1-1/4")	68.50 - 77.25	1.0000	1.0000
L33	10	561(1-5/8")	68.50 - 77.25	1.0000	1.0000
L33	14	LDF4P-50A(1/2")	68.50 - 77.25	1.0000	1.0000
L33	33	6" x 1" Flat Plate	68.50 - 77.25	1.0000	1.0000
L33	34	6" x 1" Flat Plate	68.50 - 77.25	1.0000	1.0000
L33	35	6" x 1" Flat Plate	68.50 - 77.25	1.0000	1.0000
L33	43	6.5" x 1.25" Flat Plate	72.50 - 77.25	1.0000	1.0000
L33	44	6.5" x 1.25" Flat Plate	72.50 - 77.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L33	45	6.5" x 1.25" Flat Plate	72.50 - 77.25	1.0000	1.0000
L33	49	8.5" x 1.25" Flat Plate	68.50 - 77.25	1.0000	1.0000
L33	56	8.5" x 1.25" Flat Plate	68.50 - 77.25	1.0000	1.0000
L33	57	8.5" x 1.25" Flat Plate	68.50 - 77.25	1.0000	1.0000
L35	1	LDF7-50A(1-5/8")	64.25 - 68.00	1.0000	1.0000
L35	4	2" Rigid Conduit	64.25 - 68.00	1.0000	1.0000
L35	6	HB114-1-08U4-M5J(1-1/4")	64.25 - 68.00	1.0000	1.0000
L35	10	561(1-5/8")	64.25 - 68.00	1.0000	1.0000
L35	14	LDF4P-50A(1/2")	64.25 - 68.00	1.0000	1.0000
L35	33	6" x 1" Flat Plate	64.25 - 68.00	1.0000	1.0000
L35	34	6" x 1" Flat Plate	64.25 - 68.00	1.0000	1.0000
L35	35	6" x 1" Flat Plate	64.25 - 68.00	1.0000	1.0000
L35	40	6.5" x 1.25" Flat Plate	64.25 - 67.00	1.0000	1.0000
L35	41	6.5" x 1.25" Flat Plate	64.25 - 67.00	1.0000	1.0000
L35	42	6.5" x 1.25" Flat Plate	64.25 - 67.00	1.0000	1.0000
L35	49	8.5" x 1.25" Flat Plate	64.25 - 68.00	1.0000	1.0000
L35	56	8.5" x 1.25" Flat Plate	64.25 - 68.00	1.0000	1.0000
L35	57	8.5" x 1.25" Flat Plate	64.25 - 68.00	1.0000	1.0000
L36	1	LDF7-50A(1-5/8")	64.00 - 64.25	1.0000	1.0000
L36	4	2" Rigid Conduit	64.00 - 64.25	1.0000	1.0000
L36	6	HB114-1-08U4-M5J(1-1/4")	64.00 - 64.25	1.0000	1.0000
L36	10	561(1-5/8")	64.00 - 64.25	1.0000	1.0000
L36	14	LDF4P-50A(1/2")	64.00 - 64.25	1.0000	1.0000
L36	33	6" x 1" Flat Plate	64.00 - 64.25	1.0000	1.0000
L36	34	6" x 1" Flat Plate	64.00 - 64.25	1.0000	1.0000
L36	35	6" x 1" Flat Plate	64.00 - 64.25	1.0000	1.0000
L36	40	6.5" x 1.25" Flat Plate	64.00 - 64.25	1.0000	1.0000
L36	41	6.5" x 1.25" Flat Plate	64.00 - 64.25	1.0000	1.0000
L36	42	6.5" x 1.25" Flat Plate	64.00 - 64.25	1.0000	1.0000
L36	49	8.5" x 1.25" Flat Plate	64.00 - 64.25	1.0000	1.0000
L36	56	8.5" x 1.25" Flat Plate	64.00 - 64.25	1.0000	1.0000
L36	57	8.5" x 1.25" Flat Plate	64.00 - 64.25	1.0000	1.0000
L37	1	LDF7-50A(1-5/8")	60.50 - 64.00	1.0000	1.0000
L37	4	2" Rigid Conduit	60.50 - 64.00	1.0000	1.0000
L37	6	HB114-1-08U4-M5J(1-	60.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		1/4")	64.00		
L37	10	561(1-5/8")	60.50 - 64.00	1.0000	1.0000
L37	14	LDF4P-50A(1/2")	60.50 - 64.00	1.0000	1.0000
L37	25	Aero MP304	60.50 - 61.50	1.0000	1.0000
L37	33	6" x 1" Flat Plate	60.50 - 64.00	1.0000	1.0000
L37	34	6" x 1" Flat Plate	60.50 - 64.00	1.0000	1.0000
L37	35	6" x 1" Flat Plate	60.50 - 64.00	1.0000	1.0000
L37	40	6.5" x 1.25" Flat Plate	60.50 - 64.00	1.0000	1.0000
L37	41	6.5" x 1.25" Flat Plate	60.50 - 64.00	1.0000	1.0000
L37	42	6.5" x 1.25" Flat Plate	60.50 - 64.00	1.0000	1.0000
L37	49	8.5" x 1.25" Flat Plate	60.50 - 64.00	1.0000	1.0000
L37	56	8.5" x 1.25" Flat Plate	60.50 - 64.00	1.0000	1.0000
L37	57	8.5" x 1.25" Flat Plate	60.50 - 64.00	1.0000	1.0000
L38	1	LDF7-50A(1-5/8")	60.25 - 60.50	1.0000	1.0000
L38	4	2" Rigid Conduit	60.25 - 60.50	1.0000	1.0000
L38	6	HB114-1-08U4-M5J(1-1/4")	60.25 - 60.50	1.0000	1.0000
L38	10	561(1-5/8")	60.25 - 60.50	1.0000	1.0000
L38	14	LDF4P-50A(1/2")	60.25 - 60.50	1.0000	1.0000
L38	23	Aero MP304	60.25 - 60.50	1.0000	1.0000
L38	24	Aero MP304	60.25 - 60.50	1.0000	1.0000
L38	25	Aero MP304	60.25 - 60.50	1.0000	1.0000
L38	30	6.5" x 1.25" Flat Plate	60.25 - 60.50	1.0000	1.0000
L38	31	6.5" x 1.25" Flat Plate	60.25 - 60.50	1.0000	1.0000
L38	32	6.5" x 1.25" Flat Plate	60.25 - 60.50	1.0000	1.0000
L38	40	6.5" x 1.25" Flat Plate	60.25 - 60.50	1.0000	1.0000
L38	41	6.5" x 1.25" Flat Plate	60.25 - 60.50	1.0000	1.0000
L38	42	6.5" x 1.25" Flat Plate	60.25 - 60.50	1.0000	1.0000
L38	49	8.5" x 1.25" Flat Plate	60.25 - 60.50	1.0000	1.0000
L38	56	8.5" x 1.25" Flat Plate	60.25 - 60.50	1.0000	1.0000
L38	57	8.5" x 1.25" Flat Plate	60.25 - 60.50	1.0000	1.0000
L39	1	LDF7-50A(1-5/8")	60.10 - 60.25	1.0000	1.0000
L39	4	2" Rigid Conduit	60.10 - 60.25	1.0000	1.0000
L39	6	HB114-1-08U4-M5J(1-1/4")	60.10 - 60.25	1.0000	1.0000
L39	10	561(1-5/8")	60.10 - 60.25	1.0000	1.0000
L39	14	LDF4P-50A(1/2")	60.10 - 60.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L39	23	Aero MP304	60.10 - 60.25	1.0000	1.0000
L39	24	Aero MP304	60.10 - 60.25	1.0000	1.0000
L39	25	Aero MP304	60.10 - 60.25	1.0000	1.0000
L39	30	6.5" x 1.25" Flat Plate	60.10 - 60.25	1.0000	1.0000
L39	31	6.5" x 1.25" Flat Plate	60.10 - 60.25	1.0000	1.0000
L39	32	6.5" x 1.25" Flat Plate	60.10 - 60.25	1.0000	1.0000
L39	40	6.5" x 1.25" Flat Plate	60.10 - 60.25	1.0000	1.0000
L39	41	6.5" x 1.25" Flat Plate	60.10 - 60.25	1.0000	1.0000
L39	42	6.5" x 1.25" Flat Plate	60.10 - 60.25	1.0000	1.0000
L39	49	8.5" x 1.25" Flat Plate	60.10 - 60.25	1.0000	1.0000
L39	56	8.5" x 1.25" Flat Plate	60.10 - 60.25	1.0000	1.0000
L39	57	8.5" x 1.25" Flat Plate	60.10 - 60.25	1.0000	1.0000
L40	1	LDF7-50A(1-5/8")	59.85 - 60.10	1.0000	1.0000
L40	4	2" Rigid Conduit	59.85 - 60.10	1.0000	1.0000
L40	6	HB114-1-08U4-M5J(1-1/4")	59.85 - 60.10	1.0000	1.0000
L40	10	561(1-5/8")	59.85 - 60.10	1.0000	1.0000
L40	14	LDF4P-50A(1/2")	59.85 - 60.10	1.0000	1.0000
L40	23	Aero MP304	59.85 - 60.10	1.0000	1.0000
L40	24	Aero MP304	59.85 - 60.10	1.0000	1.0000
L40	25	Aero MP304	59.85 - 60.10	1.0000	1.0000
L40	30	6.5" x 1.25" Flat Plate	59.85 - 60.10	1.0000	1.0000
L40	31	6.5" x 1.25" Flat Plate	59.85 - 60.10	1.0000	1.0000
L40	32	6.5" x 1.25" Flat Plate	59.85 - 60.10	1.0000	1.0000
L40	40	6.5" x 1.25" Flat Plate	59.85 - 60.10	1.0000	1.0000
L40	41	6.5" x 1.25" Flat Plate	59.85 - 60.10	1.0000	1.0000
L40	42	6.5" x 1.25" Flat Plate	59.85 - 60.10	1.0000	1.0000
L40	49	8.5" x 1.25" Flat Plate	60.00 - 60.10	1.0000	1.0000
L40	56	8.5" x 1.25" Flat Plate	59.85 - 60.10	1.0000	1.0000
L40	57	8.5" x 1.25" Flat Plate	59.85 - 60.10	1.0000	1.0000
L41	1	LDF7-50A(1-5/8")	59.10 - 59.85	1.0000	1.0000
L41	4	2" Rigid Conduit	59.10 - 59.85	1.0000	1.0000
L41	6	HB114-1-08U4-M5J(1-1/4")	59.10 - 59.85	1.0000	1.0000
L41	10	561(1-5/8")	59.10 - 59.85	1.0000	1.0000
L41	14	LDF4P-50A(1/2")	59.10 - 59.85	1.0000	1.0000
L41	23	Aero MP304	59.10 -	1.0000	1.0000

Tower Section	*Feed Line Record No.*	*Description*	*Feed Line Segment Elev.*	*K_a No Ice*	*K_a Ice*
L41	24	Aero MP304	59.85 59.10 - 59.85	1.0000	1.0000
L41	25	Aero MP304	59.10 - 59.85	1.0000	1.0000
L41	30	6.5" x 1.25" Flat Plate	59.10 - 59.85	1.0000	1.0000
L41	31	6.5" x 1.25" Flat Plate	59.10 - 59.85	1.0000	1.0000
L41	32	6.5" x 1.25" Flat Plate	59.10 - 59.85	1.0000	1.0000
L41	40	6.5" x 1.25" Flat Plate	59.10 - 59.85	1.0000	1.0000
L41	41	6.5" x 1.25" Flat Plate	59.10 - 59.85	1.0000	1.0000
L41	42	6.5" x 1.25" Flat Plate	59.10 - 59.85	1.0000	1.0000
L41	56	8.5" x 1.25" Flat Plate	59.10 - 59.85	1.0000	1.0000
L41	57	8.5" x 1.25" Flat Plate	59.10 - 59.85	1.0000	1.0000
L42	1	LDF7-50A(1-5/8")	58.85 - 59.10	1.0000	1.0000
L42	4	2" Rigid Conduit	58.85 - 59.10	1.0000	1.0000
L42	6	HB114-1-08U4-M5J(1-1/4")	58.85 - 59.10	1.0000	1.0000
L42	10	561(1-5/8")	58.85 - 59.10	1.0000	1.0000
L42	14	LDF4P-50A(1/2")	58.85 - 59.10	1.0000	1.0000
L42	23	Aero MP304	58.85 - 59.10	1.0000	1.0000
L42	24	Aero MP304	58.85 - 59.10	1.0000	1.0000
L42	25	Aero MP304	58.85 - 59.10	1.0000	1.0000
L42	30	6.5" x 1.25" Flat Plate	58.85 - 59.10	1.0000	1.0000
L42	31	6.5" x 1.25" Flat Plate	58.85 - 59.10	1.0000	1.0000
L42	32	6.5" x 1.25" Flat Plate	58.85 - 59.10	1.0000	1.0000
L42	40	6.5" x 1.25" Flat Plate	58.85 - 59.10	1.0000	1.0000
L42	41	6.5" x 1.25" Flat Plate	58.85 - 59.10	1.0000	1.0000
L42	42	6.5" x 1.25" Flat Plate	58.85 - 59.10	1.0000	1.0000
L42	56	8.5" x 1.25" Flat Plate	58.85 - 59.10	1.0000	1.0000
L42	57	8.5" x 1.25" Flat Plate	58.85 - 59.10	1.0000	1.0000
L43	1	LDF7-50A(1-5/8")	55.40 - 58.85	1.0000	1.0000
L43	4	2" Rigid Conduit	55.40 - 58.85	1.0000	1.0000
L43	6	HB114-1-08U4-M5J(1-1/4")	55.40 - 58.85	1.0000	1.0000
L43	10	561(1-5/8")	55.40 - 58.85	1.0000	1.0000
L43	14	LDF4P-50A(1/2")	55.40 - 58.85	1.0000	1.0000
L43	23	Aero MP304	55.40 - 58.85	1.0000	1.0000
L43	24	Aero MP304	55.40 - 58.85	1.0000	1.0000
L43	25	Aero MP304	55.40 - 58.85	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L43	30	6.5" x 1.25" Flat Plate	55.40 - 58.85	1.0000	1.0000
L43	31	6.5" x 1.25" Flat Plate	55.40 - 58.85	1.0000	1.0000
L43	32	6.5" x 1.25" Flat Plate	55.40 - 58.85	1.0000	1.0000
L43	40	6.5" x 1.25" Flat Plate	55.40 - 58.85	1.0000	1.0000
L43	41	6.5" x 1.25" Flat Plate	55.40 - 58.85	1.0000	1.0000
L43	42	6.5" x 1.25" Flat Plate	55.40 - 58.85	1.0000	1.0000
L43	56	8.5" x 1.25" Flat Plate	55.50 - 58.85	1.0000	1.0000
L43	57	8.5" x 1.25" Flat Plate	55.50 - 58.85	1.0000	1.0000
L44	1	LDF7-50A(1-5/8")	55.15 - 55.40	1.0000	1.0000
L44	4	2" Rigid Conduit	55.15 - 55.40	1.0000	1.0000
L44	6	HB114-1-08U4-M5J(1-1/4")	55.15 - 55.40	1.0000	1.0000
L44	10	561(1-5/8")	55.15 - 55.40	1.0000	1.0000
L44	14	LDF4P-50A(1/2")	55.15 - 55.40	1.0000	1.0000
L44	23	Aero MP304	55.15 - 55.40	1.0000	1.0000
L44	24	Aero MP304	55.15 - 55.40	1.0000	1.0000
L44	25	Aero MP304	55.15 - 55.40	1.0000	1.0000
L44	30	6.5" x 1.25" Flat Plate	55.15 - 55.40	1.0000	1.0000
L44	31	6.5" x 1.25" Flat Plate	55.15 - 55.40	1.0000	1.0000
L44	32	6.5" x 1.25" Flat Plate	55.15 - 55.40	1.0000	1.0000
L44	40	6.5" x 1.25" Flat Plate	55.15 - 55.40	1.0000	1.0000
L44	41	6.5" x 1.25" Flat Plate	55.15 - 55.40	1.0000	1.0000
L44	42	6.5" x 1.25" Flat Plate	55.15 - 55.40	1.0000	1.0000
L44	54	8.5" x 1.25" Flat Plate	55.15 - 55.40	1.0000	1.0000
L44	55	8.5" x 1.25" Flat Plate	55.15 - 55.40	1.0000	1.0000
L45	1	LDF7-50A(1-5/8")	54.75 - 55.15	1.0000	1.0000
L45	4	2" Rigid Conduit	54.75 - 55.15	1.0000	1.0000
L45	6	HB114-1-08U4-M5J(1-1/4")	54.75 - 55.15	1.0000	1.0000
L45	10	561(1-5/8")	54.75 - 55.15	1.0000	1.0000
L45	14	LDF4P-50A(1/2")	54.75 - 55.15	1.0000	1.0000
L45	23	Aero MP304	54.75 - 55.15	1.0000	1.0000
L45	24	Aero MP304	54.75 - 55.15	1.0000	1.0000
L45	25	Aero MP304	54.75 - 55.15	1.0000	1.0000
L45	30	6.5" x 1.25" Flat Plate	54.75 - 55.15	1.0000	1.0000
L45	31	6.5" x 1.25" Flat Plate	54.75 - 55.15	1.0000	1.0000
L45	32	6.5" x 1.25" Flat Plate	54.75 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L45	40	6.5" x 1.25" Flat Plate	55.15 54.75 - 55.15	1.0000	1.0000
L45	41	6.5" x 1.25" Flat Plate	54.75 - 55.15	1.0000	1.0000
L45	42	6.5" x 1.25" Flat Plate	54.75 - 55.15	1.0000	1.0000
L45	54	8.5" x 1.25" Flat Plate	54.75 - 55.15	1.0000	1.0000
L45	55	8.5" x 1.25" Flat Plate	54.75 - 55.15	1.0000	1.0000
L46	1	LDF7-50A(1-5/8")	54.50 - 54.75	1.0000	1.0000
L46	4	2" Rigid Conduit	54.50 - 54.75	1.0000	1.0000
L46	6	HB114-1-08U4-M5J(1-1/4")	54.50 - 54.75	1.0000	1.0000
L46	10	561(1-5/8")	54.50 - 54.75	1.0000	1.0000
L46	14	LDF4P-50A(1/2")	54.50 - 54.75	1.0000	1.0000
L46	23	Aero MP304	54.50 - 54.75	1.0000	1.0000
L46	24	Aero MP304	54.50 - 54.75	1.0000	1.0000
L46	25	Aero MP304	54.50 - 54.75	1.0000	1.0000
L46	30	6.5" x 1.25" Flat Plate	54.50 - 54.75	1.0000	1.0000
L46	31	6.5" x 1.25" Flat Plate	54.50 - 54.75	1.0000	1.0000
L46	32	6.5" x 1.25" Flat Plate	54.50 - 54.75	1.0000	1.0000
L46	40	6.5" x 1.25" Flat Plate	54.50 - 54.75	1.0000	1.0000
L46	41	6.5" x 1.25" Flat Plate	54.50 - 54.75	1.0000	1.0000
L46	42	6.5" x 1.25" Flat Plate	54.50 - 54.75	1.0000	1.0000
L46	54	8.5" x 1.25" Flat Plate	54.50 - 54.75	1.0000	1.0000
L46	55	8.5" x 1.25" Flat Plate	54.50 - 54.75	1.0000	1.0000
L47	1	LDF7-50A(1-5/8")	49.50 - 54.50	1.0000	1.0000
L47	4	2" Rigid Conduit	49.50 - 54.50	1.0000	1.0000
L47	6	HB114-1-08U4-M5J(1-1/4")	49.50 - 54.50	1.0000	1.0000
L47	10	561(1-5/8")	49.50 - 54.50	1.0000	1.0000
L47	14	LDF4P-50A(1/2")	49.50 - 54.50	1.0000	1.0000
L47	23	Aero MP304	49.50 - 54.50	1.0000	1.0000
L47	24	Aero MP304	49.50 - 54.50	1.0000	1.0000
L47	25	Aero MP304	49.50 - 54.50	1.0000	1.0000
L47	30	6.5" x 1.25" Flat Plate	49.50 - 54.50	1.0000	1.0000
L47	31	6.5" x 1.25" Flat Plate	49.50 - 54.50	1.0000	1.0000
L47	32	6.5" x 1.25" Flat Plate	49.50 - 54.50	1.0000	1.0000
L47	40	6.5" x 1.25" Flat Plate	52.00 - 54.50	1.0000	1.0000
L47	41	6.5" x 1.25" Flat Plate	52.00 - 54.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L47	42	6.5" x 1.25" Flat Plate	52.00 - 54.50	1.0000	1.0000
L47	54	8.5" x 1.25" Flat Plate	49.50 - 54.50	1.0000	1.0000
L47	55	8.5" x 1.25" Flat Plate	49.50 - 54.50	1.0000	1.0000
L48	1	LDF7-50A(1-5/8")	44.50 - 49.50	1.0000	1.0000
L48	4	2" Rigid Conduit	44.50 - 49.50	1.0000	1.0000
L48	6	HB114-1-08U4-M5J(1-1/4")	44.50 - 49.50	1.0000	1.0000
L48	10	561(1-5/8")	44.50 - 49.50	1.0000	1.0000
L48	14	LDF4P-50A(1/2")	44.50 - 49.50	1.0000	1.0000
L48	23	Aero MP304	44.50 - 49.50	1.0000	1.0000
L48	24	Aero MP304	44.50 - 49.50	1.0000	1.0000
L48	25	Aero MP304	44.50 - 49.50	1.0000	1.0000
L48	30	6.5" x 1.25" Flat Plate	44.50 - 49.50	1.0000	1.0000
L48	31	6.5" x 1.25" Flat Plate	44.50 - 49.50	1.0000	1.0000
L48	32	6.5" x 1.25" Flat Plate	44.50 - 49.50	1.0000	1.0000
L48	48	8.5" x 1.25" Flat Plate	44.50 - 45.50	1.0000	1.0000
L48	54	8.5" x 1.25" Flat Plate	44.50 - 49.50	1.0000	1.0000
L48	55	8.5" x 1.25" Flat Plate	44.50 - 49.50	1.0000	1.0000
L49	1	LDF7-50A(1-5/8")	41.30 - 44.50	1.0000	1.0000
L49	4	2" Rigid Conduit	41.30 - 44.50	1.0000	1.0000
L49	6	HB114-1-08U4-M5J(1-1/4")	41.30 - 44.50	1.0000	1.0000
L49	10	561(1-5/8")	41.30 - 44.50	1.0000	1.0000
L49	14	LDF4P-50A(1/2")	41.30 - 44.50	1.0000	1.0000
L49	23	Aero MP304	41.30 - 44.50	1.0000	1.0000
L49	24	Aero MP304	41.30 - 44.50	1.0000	1.0000
L49	25	Aero MP304	41.30 - 44.50	1.0000	1.0000
L49	30	6.5" x 1.25" Flat Plate	41.30 - 44.50	1.0000	1.0000
L49	31	6.5" x 1.25" Flat Plate	41.30 - 44.50	1.0000	1.0000
L49	32	6.5" x 1.25" Flat Plate	41.30 - 44.50	1.0000	1.0000
L49	48	8.5" x 1.25" Flat Plate	41.30 - 44.50	1.0000	1.0000
L49	54	8.5" x 1.25" Flat Plate	41.30 - 44.50	1.0000	1.0000
L49	55	8.5" x 1.25" Flat Plate	41.30 - 44.50	1.0000	1.0000
L50	1	LDF7-50A(1-5/8")	41.05 - 41.30	1.0000	1.0000
L50	4	2" Rigid Conduit	41.05 - 41.30	1.0000	1.0000
L50	6	HB114-1-08U4-M5J(1-1/4")	41.05 - 41.30	1.0000	1.0000
L50	10	561(1-5/8")	41.05 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L50	14	LDF4P-50A(1/2")	41.30 - 41.05	1.0000	1.0000
L50	23	Aero MP304	41.30 - 41.05	1.0000	1.0000
L50	24	Aero MP304	41.30 - 41.05	1.0000	1.0000
L50	25	Aero MP304	41.30 - 41.05	1.0000	1.0000
L50	30	6.5" x 1.25" Flat Plate	41.30 - 41.05	1.0000	1.0000
L50	31	6.5" x 1.25" Flat Plate	41.30 - 41.05	1.0000	1.0000
L50	32	6.5" x 1.25" Flat Plate	41.30 - 41.05	1.0000	1.0000
L50	48	8.5" x 1.25" Flat Plate	41.30 - 41.05	1.0000	1.0000
L50	54	8.5" x 1.25" Flat Plate	41.30 - 41.05	1.0000	1.0000
L50	55	8.5" x 1.25" Flat Plate	41.30 - 41.05	1.0000	1.0000
L51	1	LDF7-50A(1-5/8")	34.00 - 41.05	1.0000	1.0000
L51	4	2" Rigid Conduit	34.00 - 41.05	1.0000	1.0000
L51	6	HB114-1-08U4-M5J(1-1/4")	34.00 - 41.05	1.0000	1.0000
L51	10	561(1-5/8")	34.00 - 41.05	1.0000	1.0000
L51	14	LDF4P-50A(1/2")	34.00 - 41.05	1.0000	1.0000
L51	23	Aero MP304	34.00 - 41.05	1.0000	1.0000
L51	24	Aero MP304	34.00 - 41.05	1.0000	1.0000
L51	25	Aero MP304	34.00 - 41.05	1.0000	1.0000
L51	30	6.5" x 1.25" Flat Plate	34.00 - 41.05	1.0000	1.0000
L51	31	6.5" x 1.25" Flat Plate	34.00 - 41.05	1.0000	1.0000
L51	32	6.5" x 1.25" Flat Plate	34.00 - 41.05	1.0000	1.0000
L51	37	6.5" x 1.25" Flat Plate	34.00 - 38.00	1.0000	1.0000
L51	38	6.5" x 1.25" Flat Plate	34.00 - 38.00	1.0000	1.0000
L51	39	6.5" x 1.25" Flat Plate	34.00 - 38.00	1.0000	1.0000
L51	48	8.5" x 1.25" Flat Plate	34.00 - 41.05	1.0000	1.0000
L51	54	8.5" x 1.25" Flat Plate	34.00 - 41.05	1.0000	1.0000
L51	55	8.5" x 1.25" Flat Plate	34.00 - 41.05	1.0000	1.0000
L53	1	LDF7-50A(1-5/8")	31.50 - 33.00	1.0000	1.0000
L53	4	2" Rigid Conduit	31.50 - 33.00	1.0000	1.0000
L53	6	HB114-1-08U4-M5J(1-1/4")	31.50 - 33.00	1.0000	1.0000
L53	10	561(1-5/8")	31.50 - 33.00	1.0000	1.0000
L53	14	LDF4P-50A(1/2")	31.50 - 33.00	1.0000	1.0000
L53	23	Aero MP304	31.50 - 33.00	1.0000	1.0000
L53	24	Aero MP304	31.50 - 33.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L53	25	Aero MP304	31.50 - 33.00	1.0000	1.0000
L53	30	6.5" x 1.25" Flat Plate	31.50 - 33.00	1.0000	1.0000
L53	31	6.5" x 1.25" Flat Plate	31.50 - 33.00	1.0000	1.0000
L53	32	6.5" x 1.25" Flat Plate	31.50 - 33.00	1.0000	1.0000
L53	37	6.5" x 1.25" Flat Plate	31.50 - 33.00	1.0000	1.0000
L53	38	6.5" x 1.25" Flat Plate	31.50 - 33.00	1.0000	1.0000
L53	39	6.5" x 1.25" Flat Plate	31.50 - 33.00	1.0000	1.0000
L53	48	8.5" x 1.25" Flat Plate	31.50 - 33.00	1.0000	1.0000
L53	54	8.5" x 1.25" Flat Plate	31.50 - 33.00	1.0000	1.0000
L53	55	8.5" x 1.25" Flat Plate	31.50 - 33.00	1.0000	1.0000
L54	1	LDF7-50A(1-5/8")	31.25 - 31.50	1.0000	1.0000
L54	4	2" Rigid Conduit	31.25 - 31.50	1.0000	1.0000
L54	6	HB114-1-08U4-M5J(1-1/4")	31.25 - 31.50	1.0000	1.0000
L54	10	561(1-5/8")	31.25 - 31.50	1.0000	1.0000
L54	14	LDF4P-50A(1/2")	31.25 - 31.50	1.0000	1.0000
L54	18	Aero MP305	31.25 - 31.50	1.0000	1.0000
L54	23	Aero MP304	31.25 - 31.50	1.0000	1.0000
L54	24	Aero MP304	31.25 - 31.50	1.0000	1.0000
L54	25	Aero MP304	31.25 - 31.50	1.0000	1.0000
L54	30	6.5" x 1.25" Flat Plate	31.25 - 31.50	1.0000	1.0000
L54	31	6.5" x 1.25" Flat Plate	31.25 - 31.50	1.0000	1.0000
L54	32	6.5" x 1.25" Flat Plate	31.25 - 31.50	1.0000	1.0000
L54	37	6.5" x 1.25" Flat Plate	31.25 - 31.50	1.0000	1.0000
L54	38	6.5" x 1.25" Flat Plate	31.25 - 31.50	1.0000	1.0000
L54	39	6.5" x 1.25" Flat Plate	31.25 - 31.50	1.0000	1.0000
L54	48	8.5" x 1.25" Flat Plate	31.25 - 31.50	1.0000	1.0000
L54	54	8.5" x 1.25" Flat Plate	31.25 - 31.50	1.0000	1.0000
L54	55	8.5" x 1.25" Flat Plate	31.25 - 31.50	1.0000	1.0000
L55	1	LDF7-50A(1-5/8")	30.50 - 31.25	1.0000	1.0000
L55	4	2" Rigid Conduit	30.50 - 31.25	1.0000	1.0000
L55	6	HB114-1-08U4-M5J(1-1/4")	30.50 - 31.25	1.0000	1.0000
L55	10	561(1-5/8")	30.50 - 31.25	1.0000	1.0000
L55	14	LDF4P-50A(1/2")	30.50 - 31.25	1.0000	1.0000
L55	18	Aero MP305	30.50 - 31.25	1.0000	1.0000
L55	23	Aero MP304	30.50 -	1.0000	1.0000

Tower Section	*Feed Line Record No.*	*Description*	*Feed Line Segment Elev.*	*K_a No Ice*	*K_a Ice*
L55	24	Aero MP304	31.25 30.50 - 31.25	1.0000	1.0000
L55	25	Aero MP304	31.00 - 31.25	1.0000	1.0000
L55	30	6.5" x 1.25" Flat Plate	30.50 - 31.25	1.0000	1.0000
L55	31	6.5" x 1.25" Flat Plate	30.50 - 31.25	1.0000	1.0000
L55	32	6.5" x 1.25" Flat Plate	30.50 - 31.25	1.0000	1.0000
L55	37	6.5" x 1.25" Flat Plate	30.50 - 31.25	1.0000	1.0000
L55	38	6.5" x 1.25" Flat Plate	30.50 - 31.25	1.0000	1.0000
L55	39	6.5" x 1.25" Flat Plate	30.50 - 31.25	1.0000	1.0000
L55	48	8.5" x 1.25" Flat Plate	30.50 - 31.25	1.0000	1.0000
L55	54	8.5" x 1.25" Flat Plate	30.50 - 31.25	1.0000	1.0000
L55	55	8.5" x 1.25" Flat Plate	30.50 - 31.25	1.0000	1.0000
L56	1	LDF7-50A(1-5/8")	30.25 - 30.50	1.0000	1.0000
L56	4	2" Rigid Conduit	30.25 - 30.50	1.0000	1.0000
L56	6	HB114-1-08U4-M5J(1-1/4")	30.25 - 30.50	1.0000	1.0000
L56	10	561(1-5/8")	30.25 - 30.50	1.0000	1.0000
L56	14	LDF4P-50A(1/2")	30.25 - 30.50	1.0000	1.0000
L56	18	Aero MP305	30.25 - 30.50	1.0000	1.0000
L56	19	Aero MP305	30.25 - 30.50	1.0000	1.0000
L56	20	Aero MP305	30.25 - 30.50	1.0000	1.0000
L56	27	6" x 1" Flat Plate	30.25 - 30.50	1.0000	1.0000
L56	28	6" x 1" Flat Plate	30.25 - 30.50	1.0000	1.0000
L56	29	6" x 1" Flat Plate	30.25 - 30.50	1.0000	1.0000
L56	37	6.5" x 1.25" Flat Plate	30.25 - 30.50	1.0000	1.0000
L56	38	6.5" x 1.25" Flat Plate	30.25 - 30.50	1.0000	1.0000
L56	39	6.5" x 1.25" Flat Plate	30.25 - 30.50	1.0000	1.0000
L56	48	8.5" x 1.25" Flat Plate	30.25 - 30.50	1.0000	1.0000
L56	54	8.5" x 1.25" Flat Plate	30.25 - 30.50	1.0000	1.0000
L56	55	8.5" x 1.25" Flat Plate	30.25 - 30.50	1.0000	1.0000
L57	1	LDF7-50A(1-5/8")	25.75 - 30.25	1.0000	1.0000
L57	4	2" Rigid Conduit	25.75 - 30.25	1.0000	1.0000
L57	6	HB114-1-08U4-M5J(1-1/4")	25.75 - 30.25	1.0000	1.0000
L57	10	561(1-5/8")	25.75 - 30.25	1.0000	1.0000
L57	14	LDF4P-50A(1/2")	25.75 - 30.25	1.0000	1.0000
L57	18	Aero MP305	25.75 - 30.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L57	19	Aero MP305	25.75 - 30.25	1.0000	1.0000
L57	20	Aero MP305	25.75 - 30.25	1.0000	1.0000
L57	27	6" x 1" Flat Plate	25.75 - 30.25	1.0000	1.0000
L57	28	6" x 1" Flat Plate	25.75 - 30.25	1.0000	1.0000
L57	29	6" x 1" Flat Plate	25.75 - 30.25	1.0000	1.0000
L57	37	6.5" x 1.25" Flat Plate	25.75 - 30.25	1.0000	1.0000
L57	38	6.5" x 1.25" Flat Plate	25.75 - 30.25	1.0000	1.0000
L57	39	6.5" x 1.25" Flat Plate	25.75 - 30.25	1.0000	1.0000
L57	48	8.5" x 1.25" Flat Plate	25.75 - 30.25	1.0000	1.0000
L57	54	8.5" x 1.25" Flat Plate	25.75 - 30.25	1.0000	1.0000
L57	55	8.5" x 1.25" Flat Plate	25.75 - 30.25	1.0000	1.0000
L58	1	LDF7-50A(1-5/8")	25.50 - 25.75	1.0000	1.0000
L58	4	2" Rigid Conduit	25.50 - 25.75	1.0000	1.0000
L58	6	HB114-1-08U4-M5J(1-1/4")	25.50 - 25.75	1.0000	1.0000
L58	10	561(1-5/8")	25.50 - 25.75	1.0000	1.0000
L58	14	LDF4P-50A(1/2")	25.50 - 25.75	1.0000	1.0000
L58	18	Aero MP305	25.50 - 25.75	1.0000	1.0000
L58	19	Aero MP305	25.50 - 25.75	1.0000	1.0000
L58	20	Aero MP305	25.50 - 25.75	1.0000	1.0000
L58	27	6" x 1" Flat Plate	25.50 - 25.75	1.0000	1.0000
L58	28	6" x 1" Flat Plate	25.50 - 25.75	1.0000	1.0000
L58	29	6" x 1" Flat Plate	25.50 - 25.75	1.0000	1.0000
L58	37	6.5" x 1.25" Flat Plate	25.50 - 25.75	1.0000	1.0000
L58	38	6.5" x 1.25" Flat Plate	25.50 - 25.75	1.0000	1.0000
L58	39	6.5" x 1.25" Flat Plate	25.50 - 25.75	1.0000	1.0000
L58	48	8.5" x 1.25" Flat Plate	25.50 - 25.75	1.0000	1.0000
L58	54	8.5" x 1.25" Flat Plate	25.50 - 25.75	1.0000	1.0000
L58	55	8.5" x 1.25" Flat Plate	25.50 - 25.75	1.0000	1.0000
L59	1	LDF7-50A(1-5/8")	24.70 - 25.50	1.0000	1.0000
L59	4	2" Rigid Conduit	24.70 - 25.50	1.0000	1.0000
L59	6	HB114-1-08U4-M5J(1-1/4")	24.70 - 25.50	1.0000	1.0000
L59	10	561(1-5/8")	24.70 - 25.50	1.0000	1.0000
L59	14	LDF4P-50A(1/2")	24.70 - 25.50	1.0000	1.0000
L59	18	Aero MP305	24.70 - 25.50	1.0000	1.0000
L59	19	Aero MP305	24.70 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L59	20	Aero MP305	25.50 24.70 - 25.50	1.0000	1.0000
L59	27	6" x 1" Flat Plate	24.70 - 25.50	1.0000	1.0000
L59	28	6" x 1" Flat Plate	24.70 - 25.50	1.0000	1.0000
L59	29	6" x 1" Flat Plate	24.70 - 25.50	1.0000	1.0000
L59	37	6.5" x 1.25" Flat Plate	24.70 - 25.50	1.0000	1.0000
L59	38	6.5" x 1.25" Flat Plate	24.70 - 25.50	1.0000	1.0000
L59	39	6.5" x 1.25" Flat Plate	24.70 - 25.50	1.0000	1.0000
L59	48	8.5" x 1.25" Flat Plate	24.70 - 25.50	1.0000	1.0000
L59	54	8.5" x 1.25" Flat Plate	24.70 - 25.50	1.0000	1.0000
L59	55	8.5" x 1.25" Flat Plate	24.70 - 25.50	1.0000	1.0000
L60	1	LDF7-50A(1-5/8")	24.45 - 24.70	1.0000	1.0000
L60	4	2" Rigid Conduit	24.45 - 24.70	1.0000	1.0000
L60	6	HB114-1-08U4-M5J(1-1/4")	24.45 - 24.70	1.0000	1.0000
L60	10	561(1-5/8")	24.45 - 24.70	1.0000	1.0000
L60	14	LDF4P-50A(1/2")	24.45 - 24.70	1.0000	1.0000
L60	18	Aero MP305	24.45 - 24.70	1.0000	1.0000
L60	19	Aero MP305	24.45 - 24.70	1.0000	1.0000
L60	20	Aero MP305	24.45 - 24.70	1.0000	1.0000
L60	27	6" x 1" Flat Plate	24.45 - 24.70	1.0000	1.0000
L60	28	6" x 1" Flat Plate	24.45 - 24.70	1.0000	1.0000
L60	29	6" x 1" Flat Plate	24.45 - 24.70	1.0000	1.0000
L60	37	6.5" x 1.25" Flat Plate	24.45 - 24.70	1.0000	1.0000
L60	38	6.5" x 1.25" Flat Plate	24.45 - 24.70	1.0000	1.0000
L60	39	6.5" x 1.25" Flat Plate	24.45 - 24.70	1.0000	1.0000
L60	48	8.5" x 1.25" Flat Plate	24.45 - 24.70	1.0000	1.0000
L60	54	8.5" x 1.25" Flat Plate	24.45 - 24.70	1.0000	1.0000
L60	55	8.5" x 1.25" Flat Plate	24.45 - 24.70	1.0000	1.0000
L61	1	LDF7-50A(1-5/8")	24.00 - 24.45	1.0000	1.0000
L61	4	2" Rigid Conduit	24.00 - 24.45	1.0000	1.0000
L61	6	HB114-1-08U4-M5J(1-1/4")	24.00 - 24.45	1.0000	1.0000
L61	10	561(1-5/8")	24.00 - 24.45	1.0000	1.0000
L61	14	LDF4P-50A(1/2")	24.00 - 24.45	1.0000	1.0000
L61	18	Aero MP305	24.00 - 24.45	1.0000	1.0000
L61	19	Aero MP305	24.00 - 24.45	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L61	20	Aero MP305	24.00 - 24.45	1.0000	1.0000
L61	27	6" x 1" Flat Plate	24.00 - 24.45	1.0000	1.0000
L61	28	6" x 1" Flat Plate	24.00 - 24.45	1.0000	1.0000
L61	29	6" x 1" Flat Plate	24.00 - 24.45	1.0000	1.0000
L61	37	6.5" x 1.25" Flat Plate	24.00 - 24.45	1.0000	1.0000
L61	38	6.5" x 1.25" Flat Plate	24.00 - 24.45	1.0000	1.0000
L61	39	6.5" x 1.25" Flat Plate	24.00 - 24.45	1.0000	1.0000
L61	48	8.5" x 1.25" Flat Plate	24.00 - 24.45	1.0000	1.0000
L61	54	8.5" x 1.25" Flat Plate	24.00 - 24.45	1.0000	1.0000
L61	55	8.5" x 1.25" Flat Plate	24.00 - 24.45	1.0000	1.0000
L62	1	LDF7-50A(1-5/8")	23.75 - 24.00	1.0000	1.0000
L62	4	2" Rigid Conduit	23.75 - 24.00	1.0000	1.0000
L62	6	HB114-1-08U4-M5J(1-1/4")	23.75 - 24.00	1.0000	1.0000
L62	10	561(1-5/8")	23.75 - 24.00	1.0000	1.0000
L62	14	LDF4P-50A(1/2")	23.75 - 24.00	1.0000	1.0000
L62	18	Aero MP305	23.75 - 24.00	1.0000	1.0000
L62	19	Aero MP305	23.75 - 24.00	1.0000	1.0000
L62	20	Aero MP305	23.75 - 24.00	1.0000	1.0000
L62	27	6" x 1" Flat Plate	23.75 - 24.00	1.0000	1.0000
L62	28	6" x 1" Flat Plate	23.75 - 24.00	1.0000	1.0000
L62	29	6" x 1" Flat Plate	23.75 - 24.00	1.0000	1.0000
L62	37	6.5" x 1.25" Flat Plate	23.75 - 24.00	1.0000	1.0000
L62	38	6.5" x 1.25" Flat Plate	23.75 - 24.00	1.0000	1.0000
L62	39	6.5" x 1.25" Flat Plate	23.75 - 24.00	1.0000	1.0000
L62	48	8.5" x 1.25" Flat Plate	23.75 - 24.00	1.0000	1.0000
L62	54	8.5" x 1.25" Flat Plate	23.75 - 24.00	1.0000	1.0000
L62	55	8.5" x 1.25" Flat Plate	23.75 - 24.00	1.0000	1.0000
L63	1	LDF7-50A(1-5/8")	18.75 - 23.75	1.0000	1.0000
L63	4	2" Rigid Conduit	18.75 - 23.75	1.0000	1.0000
L63	6	HB114-1-08U4-M5J(1-1/4")	18.75 - 23.75	1.0000	1.0000
L63	10	561(1-5/8")	18.75 - 23.75	1.0000	1.0000
L63	14	LDF4P-50A(1/2")	18.75 - 23.75	1.0000	1.0000
L63	18	Aero MP305	18.75 - 23.75	1.0000	1.0000
L63	19	Aero MP305	18.75 - 23.75	1.0000	1.0000
L63	20	Aero MP305	18.75 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L63	27	6" x 1" Flat Plate	18.75 - 23.75	1.0000	1.0000
L63	28	6" x 1" Flat Plate	18.75 - 23.75	1.0000	1.0000
L63	29	6" x 1" Flat Plate	18.75 - 23.75	1.0000	1.0000
L63	37	6.5" x 1.25" Flat Plate	23.00 - 23.75	1.0000	1.0000
L63	38	6.5" x 1.25" Flat Plate	23.00 - 23.75	1.0000	1.0000
L63	39	6.5" x 1.25" Flat Plate	23.00 - 23.75	1.0000	1.0000
L63	48	8.5" x 1.25" Flat Plate	18.75 - 23.75	1.0000	1.0000
L63	54	8.5" x 1.25" Flat Plate	20.40 - 23.75	1.0000	1.0000
L63	55	8.5" x 1.25" Flat Plate	20.40 - 23.75	1.0000	1.0000
L64	1	LDF7-50A(1-5/8")	14.10 - 18.75	1.0000	1.0000
L64	4	2" Rigid Conduit	14.10 - 18.75	1.0000	1.0000
L64	6	HB114-1-08U4-M5J(1-1/4")	14.10 - 18.75	1.0000	1.0000
L64	10	561(1-5/8")	14.10 - 18.75	1.0000	1.0000
L64	14	LDF4P-50A(1/2")	14.10 - 18.75	1.0000	1.0000
L64	18	Aero MP305	14.10 - 18.75	1.0000	1.0000
L64	19	Aero MP305	14.10 - 18.75	1.0000	1.0000
L64	20	Aero MP305	14.10 - 18.75	1.0000	1.0000
L64	21	Aero MP304	14.10 - 15.50	1.0000	1.0000
L64	22	Aero MP304	14.10 - 15.50	1.0000	1.0000
L64	27	6" x 1" Flat Plate	14.10 - 18.75	1.0000	1.0000
L64	28	6" x 1" Flat Plate	14.10 - 18.75	1.0000	1.0000
L64	29	6" x 1" Flat Plate	14.10 - 18.75	1.0000	1.0000
L64	48	8.5" x 1.25" Flat Plate	14.10 - 18.75	1.0000	1.0000
L65	1	LDF7-50A(1-5/8")	13.80 - 14.10	1.0000	1.0000
L65	4	2" Rigid Conduit	13.80 - 14.10	1.0000	1.0000
L65	6	HB114-1-08U4-M5J(1-1/4")	13.80 - 14.10	1.0000	1.0000
L65	10	561(1-5/8")	13.80 - 14.10	1.0000	1.0000
L65	14	LDF4P-50A(1/2")	13.80 - 14.10	1.0000	1.0000
L65	18	Aero MP305	13.80 - 14.10	1.0000	1.0000
L65	19	Aero MP305	13.80 - 14.10	1.0000	1.0000
L65	20	Aero MP305	13.80 - 14.10	1.0000	1.0000
L65	21	Aero MP304	13.80 - 14.10	1.0000	1.0000
L65	22	Aero MP304	13.80 - 14.10	1.0000	1.0000
L65	27	6" x 1" Flat Plate	13.80 - 14.10	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L65	28	6" x 1" Flat Plate	13.80 - 14.10	1.0000	1.0000
L65	29	6" x 1" Flat Plate	13.80 - 14.10	1.0000	1.0000
L65	48	8.5" x 1.25" Flat Plate	13.80 - 14.10	1.0000	1.0000
L66	1	LDF7-50A(1-5/8")	13.65 - 13.80	1.0000	1.0000
L66	4	2" Rigid Conduit	13.65 - 13.80	1.0000	1.0000
L66	6	HB114-1-08U4-M5J(1-1/4")	13.65 - 13.80	1.0000	1.0000
L66	10	561(1-5/8")	13.65 - 13.80	1.0000	1.0000
L66	14	LDF4P-50A(1/2")	13.65 - 13.80	1.0000	1.0000
L66	18	Aero MP305	13.65 - 13.80	1.0000	1.0000
L66	19	Aero MP305	13.65 - 13.80	1.0000	1.0000
L66	20	Aero MP305	13.65 - 13.80	1.0000	1.0000
L66	21	Aero MP304	13.65 - 13.80	1.0000	1.0000
L66	22	Aero MP304	13.65 - 13.80	1.0000	1.0000
L66	27	6" x 1" Flat Plate	13.65 - 13.80	1.0000	1.0000
L66	28	6" x 1" Flat Plate	13.65 - 13.80	1.0000	1.0000
L66	29	6" x 1" Flat Plate	13.65 - 13.80	1.0000	1.0000
L66	48	8.5" x 1.25" Flat Plate	13.65 - 13.80	1.0000	1.0000
L67	1	LDF7-50A(1-5/8")	10.50 - 13.65	1.0000	1.0000
L67	4	2" Rigid Conduit	10.50 - 13.65	1.0000	1.0000
L67	6	HB114-1-08U4-M5J(1-1/4")	10.50 - 13.65	1.0000	1.0000
L67	10	561(1-5/8")	10.50 - 13.65	1.0000	1.0000
L67	14	LDF4P-50A(1/2")	10.50 - 13.65	1.0000	1.0000
L67	18	Aero MP305	11.50 - 13.65	1.0000	1.0000
L67	19	Aero MP305	10.50 - 13.65	1.0000	1.0000
L67	20	Aero MP305	10.50 - 13.65	1.0000	1.0000
L67	21	Aero MP304	10.50 - 13.65	1.0000	1.0000
L67	22	Aero MP304	10.50 - 13.65	1.0000	1.0000
L67	27	6" x 1" Flat Plate	10.50 - 13.65	1.0000	1.0000
L67	28	6" x 1" Flat Plate	10.50 - 13.65	1.0000	1.0000
L67	29	6" x 1" Flat Plate	10.50 - 13.65	1.0000	1.0000
L67	48	8.5" x 1.25" Flat Plate	10.50 - 13.65	1.0000	1.0000
L68	1	LDF7-50A(1-5/8")	10.25 - 10.50	1.0000	1.0000
L68	4	2" Rigid Conduit	10.25 - 10.50	1.0000	1.0000
L68	6	HB114-1-08U4-M5J(1-1/4")	10.25 - 10.50	1.0000	1.0000
L68	10	561(1-5/8")	10.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			10.50		
L68	14	LDF4P-50A(1/2")	10.25 - 10.50	1.0000	1.0000
L68	19	Aero MP305	10.25 - 10.50	1.0000	1.0000
L68	20	Aero MP305	10.25 - 10.50	1.0000	1.0000
L68	21	Aero MP304	10.25 - 10.50	1.0000	1.0000
L68	22	Aero MP304	10.25 - 10.50	1.0000	1.0000
L68	27	6" x 1" Flat Plate	10.25 - 10.50	1.0000	1.0000
L68	28	6" x 1" Flat Plate	10.25 - 10.50	1.0000	1.0000
L68	29	6" x 1" Flat Plate	10.25 - 10.50	1.0000	1.0000
L68	47	6" x 1" Flat Plate	10.25 - 10.50	1.0000	1.0000
L69	1	LDF7-50A(1-5/8")	5.25 - 10.25	1.0000	1.0000
L69	4	2" Rigid Conduit	5.25 - 10.25	1.0000	1.0000
L69	6	HB114-1-08U4-M5J(1-1/4")	5.25 - 10.25	1.0000	1.0000
L69	10	561(1-5/8")	5.25 - 10.25	1.0000	1.0000
L69	14	LDF4P-50A(1/2")	5.25 - 10.25	1.0000	1.0000
L69	19	Aero MP305	5.25 - 10.25	1.0000	1.0000
L69	20	Aero MP305	5.25 - 10.25	1.0000	1.0000
L69	21	Aero MP304	5.25 - 10.25	1.0000	1.0000
L69	22	Aero MP304	5.25 - 10.25	1.0000	1.0000
L69	27	6" x 1" Flat Plate	5.25 - 10.25	1.0000	1.0000
L69	28	6" x 1" Flat Plate	5.25 - 10.25	1.0000	1.0000
L69	29	6" x 1" Flat Plate	5.25 - 10.25	1.0000	1.0000
L69	47	6" x 1" Flat Plate	5.25 - 10.25	1.0000	1.0000
L70	1	LDF7-50A(1-5/8")	3.00 - 5.25	1.0000	1.0000
L70	4	2" Rigid Conduit	3.00 - 5.25	1.0000	1.0000
L70	6	HB114-1-08U4-M5J(1-1/4")	3.00 - 5.25	1.0000	1.0000
L70	10	561(1-5/8")	3.00 - 5.25	1.0000	1.0000
L70	14	LDF4P-50A(1/2")	3.00 - 5.25	1.0000	1.0000
L70	19	Aero MP305	3.00 - 5.25	1.0000	1.0000
L70	20	Aero MP305	3.00 - 5.25	1.0000	1.0000
L70	21	Aero MP304	3.00 - 5.25	1.0000	1.0000
L70	22	Aero MP304	3.00 - 5.25	1.0000	1.0000
L70	27	6" x 1" Flat Plate	3.00 - 5.25	1.0000	1.0000
L70	28	6" x 1" Flat Plate	3.00 - 5.25	1.0000	1.0000
L70	29	6" x 1" Flat Plate	3.00 - 5.25	1.0000	1.0000
L70	47	6" x 1" Flat Plate	3.00 - 5.25	1.0000	1.0000
L71	1	LDF7-50A(1-5/8")	2.90 - 3.00	1.0000	1.0000
L71	4	2" Rigid Conduit	2.90 - 3.00	1.0000	1.0000
L71	6	HB114-1-08U4-M5J(1-1/4")	2.90 - 3.00	1.0000	1.0000
L71	10	561(1-5/8")	2.90 - 3.00	1.0000	1.0000
L71	14	LDF4P-50A(1/2")	2.90 - 3.00	1.0000	1.0000
L71	19	Aero MP305	2.90 - 3.00	1.0000	1.0000
L71	20	Aero MP305	2.90 - 3.00	1.0000	1.0000
L71	21	Aero MP304	2.90 - 3.00	1.0000	1.0000
L71	22	Aero MP304	2.90 - 3.00	1.0000	1.0000
L71	27	6" x 1" Flat Plate	2.90 - 3.00	1.0000	1.0000
L71	28	6" x 1" Flat Plate	2.90 - 3.00	1.0000	1.0000
L71	29	6" x 1" Flat Plate	2.90 - 3.00	1.0000	1.0000
L71	47	6" x 1" Flat Plate	2.90 - 3.00	1.0000	1.0000
L72	1	LDF7-50A(1-5/8")	2.75 - 2.90	1.0000	1.0000
L72	4	2" Rigid Conduit	2.75 - 2.90	1.0000	1.0000
L72	6	HB114-1-08U4-M5J(1-1/4")	2.75 - 2.90	1.0000	1.0000
L72	10	561(1-5/8")	2.75 - 2.90	1.0000	1.0000
L72	14	LDF4P-50A(1/2")	2.75 - 2.90	1.0000	1.0000
L72	19	Aero MP305	2.75 - 2.90	1.0000	1.0000
L72	20	Aero MP305	2.75 - 2.90	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L72	21	Aero MP304	2.75 - 2.90	1.0000	1.0000
L72	22	Aero MP304	2.75 - 2.90	1.0000	1.0000
L72	27	6" x 1" Flat Plate	2.75 - 2.90	1.0000	1.0000
L72	28	6" x 1" Flat Plate	2.75 - 2.90	1.0000	1.0000
L72	29	6" x 1" Flat Plate	2.75 - 2.90	1.0000	1.0000
L72	47	6" x 1" Flat Plate	2.75 - 2.90	1.0000	1.0000
L73	1	LDF7-50A(1-5/8")	2.65 - 2.75	1.0000	1.0000
L73	4	2" Rigid Conduit	2.65 - 2.75	1.0000	1.0000
L73	6	HB114-1-08U4-M5J(1-1/4")	2.65 - 2.75	1.0000	1.0000
L73	10	561(1-5/8")	2.65 - 2.75	1.0000	1.0000
L73	14	LDF4P-50A(1/2")	2.65 - 2.75	1.0000	1.0000
L73	19	Aero MP305	2.65 - 2.75	1.0000	1.0000
L73	20	Aero MP305	2.65 - 2.75	1.0000	1.0000
L73	21	Aero MP304	2.65 - 2.75	1.0000	1.0000
L73	22	Aero MP304	2.65 - 2.75	1.0000	1.0000
L73	27	6" x 1" Flat Plate	2.65 - 2.75	1.0000	1.0000
L73	28	6" x 1" Flat Plate	2.65 - 2.75	1.0000	1.0000
L73	29	6" x 1" Flat Plate	2.65 - 2.75	1.0000	1.0000
L73	47	6" x 1" Flat Plate	2.65 - 2.75	1.0000	1.0000
L74	1	LDF7-50A(1-5/8")	2.50 - 2.65	1.0000	1.0000
L74	4	2" Rigid Conduit	2.50 - 2.65	1.0000	1.0000
L74	6	HB114-1-08U4-M5J(1-1/4")	2.50 - 2.65	1.0000	1.0000
L74	10	561(1-5/8")	2.50 - 2.65	1.0000	1.0000
L74	14	LDF4P-50A(1/2")	2.50 - 2.65	1.0000	1.0000
L74	19	Aero MP305	2.50 - 2.65	1.0000	1.0000
L74	20	Aero MP305	2.50 - 2.65	1.0000	1.0000
L74	21	Aero MP304	2.50 - 2.65	1.0000	1.0000
L74	22	Aero MP304	2.50 - 2.65	1.0000	1.0000
L74	27	6" x 1" Flat Plate	2.50 - 2.65	1.0000	1.0000
L74	28	6" x 1" Flat Plate	2.50 - 2.65	1.0000	1.0000
L74	29	6" x 1" Flat Plate	2.50 - 2.65	1.0000	1.0000
L74	47	6" x 1" Flat Plate	2.50 - 2.65	1.0000	1.0000
L75	1	LDF7-50A(1-5/8")	2.25 - 2.50	1.0000	1.0000
L75	4	2" Rigid Conduit	2.25 - 2.50	1.0000	1.0000
L75	6	HB114-1-08U4-M5J(1-1/4")	2.25 - 2.50	1.0000	1.0000
L75	10	561(1-5/8")	2.25 - 2.50	1.0000	1.0000
L75	14	LDF4P-50A(1/2")	2.25 - 2.50	1.0000	1.0000
L75	19	Aero MP305	2.25 - 2.50	1.0000	1.0000
L75	20	Aero MP305	2.25 - 2.50	1.0000	1.0000
L75	21	Aero MP304	2.25 - 2.50	1.0000	1.0000
L75	22	Aero MP304	2.25 - 2.50	1.0000	1.0000
L75	27	6" x 1" Flat Plate	2.25 - 2.50	1.0000	1.0000
L75	28	6" x 1" Flat Plate	2.25 - 2.50	1.0000	1.0000
L75	29	6" x 1" Flat Plate	2.25 - 2.50	1.0000	1.0000
L75	47	6" x 1" Flat Plate	2.25 - 2.50	1.0000	1.0000
L76	1	LDF7-50A(1-5/8")	1.90 - 2.25	1.0000	1.0000
L76	4	2" Rigid Conduit	1.90 - 2.25	1.0000	1.0000
L76	6	HB114-1-08U4-M5J(1-1/4")	1.90 - 2.25	1.0000	1.0000
L76	10	561(1-5/8")	1.90 - 2.25	1.0000	1.0000
L76	14	LDF4P-50A(1/2")	1.90 - 2.25	1.0000	1.0000
L76	19	Aero MP305	1.90 - 2.25	1.0000	1.0000
L76	20	Aero MP305	1.90 - 2.25	1.0000	1.0000
L76	21	Aero MP304	1.90 - 2.25	1.0000	1.0000
L76	22	Aero MP304	1.90 - 2.25	1.0000	1.0000
L76	27	6" x 1" Flat Plate	1.90 - 2.25	1.0000	1.0000
L76	28	6" x 1" Flat Plate	1.90 - 2.25	1.0000	1.0000
L76	29	6" x 1" Flat Plate	1.90 - 2.25	1.0000	1.0000
L76	47	6" x 1" Flat Plate	1.90 - 2.25	1.0000	1.0000
L77	1	LDF7-50A(1-5/8")	1.65 - 1.90	1.0000	1.0000
L77	4	2" Rigid Conduit	1.65 - 1.90	1.0000	1.0000
L77	6	HB114-1-08U4-M5J(1-1/4")	1.65 - 1.90	1.0000	1.0000
L77	10	561(1-5/8")	1.65 - 1.90	1.0000	1.0000
L77	14	LDF4P-50A(1/2")	1.65 - 1.90	1.0000	1.0000
L77	19	Aero MP305	1.65 - 1.90	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L77	20	Aero MP305	1.65 - 1.90	1.0000	1.0000
L77	21	Aero MP304	1.65 - 1.90	1.0000	1.0000
L77	22	Aero MP304	1.65 - 1.90	1.0000	1.0000
L77	27	6" x 1" Flat Plate	1.65 - 1.90	1.0000	1.0000
L77	28	6" x 1" Flat Plate	1.65 - 1.90	1.0000	1.0000
L77	29	6" x 1" Flat Plate	1.65 - 1.90	1.0000	1.0000
L77	47	6" x 1" Flat Plate	1.65 - 1.90	1.0000	1.0000
L78	1	LDF7-50A(1-5/8")	0.00 - 1.65	1.0000	1.0000
L78	4	2" Rigid Conduit	0.00 - 1.65	1.0000	1.0000
L78	6	HB114-1-08U4-M5J(1-1/4")	0.00 - 1.65	1.0000	1.0000
L78	10	561(1-5/8")	0.00 - 1.65	1.0000	1.0000
L78	14	LDF4P-50A(1/2")	0.00 - 1.65	1.0000	1.0000
L78	19	Aero MP305	0.00 - 1.65	1.0000	1.0000
L78	20	Aero MP305	0.00 - 1.65	1.0000	1.0000
L78	21	Aero MP304	0.00 - 1.65	1.0000	1.0000
L78	22	Aero MP304	0.00 - 1.65	1.0000	1.0000
L78	27	6" x 1" Flat Plate	0.50 - 1.65	1.0000	1.0000
L78	28	6" x 1" Flat Plate	0.50 - 1.65	1.0000	1.0000
L78	29	6" x 1" Flat Plate	0.50 - 1.65	1.0000	1.0000
L78	47	6" x 1" Flat Plate	0.50 - 1.65	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Lightning Rod	A	From Leg	1.0000 0.0000 0.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.2500 0.6635 0.9732 1.4936	0.2500 0.6635 0.9732 1.4936	0.0300 0.0338 0.0393 0.0588
**									
SBNH-1D6565C w/ Mount Pipe	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.5600 6.0700 6.5900 7.6500	4.4700 4.9700 5.4700 6.5200	0.0848 0.1667 0.2622 0.4953
AM-X-CD-16-65-00T-RET w/ Mount Pipe	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6300 5.0600 5.5100 6.4300	3.2700 3.6900 4.1200 5.0000	0.0741 0.1333 0.2032 0.3764
SBNH-1D6565C w/ Mount Pipe	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.5600 6.0700 6.5900 7.6500	4.4700 4.9700 5.4700 6.5200	0.0848 0.1667 0.2622 0.4953
80010966 w/ Mount Pipe	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6100 15.4700 16.3500 18.1400	6.8400 7.6300 8.4200 10.0600	0.1586 0.2667 0.3889 0.6768
80010965 w/ Mount Pipe	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	12.2600 13.0300 13.8000 15.4100	5.7900 6.4700 7.1700 8.6000	0.1362 0.2262 0.3282 0.5697

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
80010798 w/ Mount Pipe	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.7900 8.4000 9.0200 10.3000	4.9000 5.4700 6.0600 7.2600	0.1138 0.1883 0.2746 0.4835
80010966 w/ Mount Pipe	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6100 15.4700 16.3500 18.1400	6.8400 7.6300 8.4200 10.0600	0.1586 0.2667 0.3889 0.6768
TPA-65R-LCUUUU-H8 w/ Mount Pipe	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	11.8500 12.7700 13.7100 15.6400	8.9900 9.8800 10.7900 12.6600	0.1145 0.2099 0.3191 0.5803
TPA-65R-LCUUUU-H8 w/ Mount Pipe	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	11.8500 12.7700 13.7100 15.6400	8.9900 9.8800 10.7900 12.6600	0.1145 0.2099 0.3191 0.5803
DTMABP7819VG12A	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9762 1.1002 1.2316 1.5166	0.3387 0.4192 0.5098 0.7143	0.0192 0.0265 0.0356 0.0602
DTMABP7819VG12A	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9762 1.1002 1.2316 1.5166	0.3387 0.4192 0.5098 0.7143	0.0192 0.0265 0.0356 0.0602
DTMABP7819VG12A	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9762 1.1002 1.2316 1.5166	0.3387 0.4192 0.5098 0.7143	0.0192 0.0265 0.0356 0.0602
RRUS 11	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7845 2.9919 3.2066 3.6584	1.1872 1.3342 1.4897 1.8326	0.0476 0.0684 0.0923 0.1498
RRUS 11	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7845 2.9919 3.2066 3.6584	1.1872 1.3342 1.4897 1.8326	0.0476 0.0684 0.0923 0.1498
RRUS 11	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7845 2.9919 3.2066 3.6584	1.1872 1.3342 1.4897 1.8326	0.0476 0.0684 0.0923 0.1498
DC6-48-60-18-8F	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.2117 1.8924 2.1051 2.5703	1.2117 1.8924 2.1051 2.5703	0.0200 0.0420 0.0668 0.1256
RRUS 4478 B14	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8425 2.0123 2.1895 2.5662	1.0588 1.1969 1.3425 1.6558	0.0599 0.0758 0.0943 0.1400
RRUS 4478 B14	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8425 2.0123 2.1895 2.5662	1.0588 1.1969 1.3425 1.6558	0.0599 0.0758 0.0943 0.1400

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RRUS 4478 B14	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8425 2.0123 2.1895 2.5662	1.0588 1.1969 1.3425 1.6558	0.0599 0.0758 0.0943 0.1400
RRUS 32 B66	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7427 2.9647 3.1941 3.6753	1.6681 1.8552 2.0493 2.4585	0.0530 0.0741 0.0984 0.1574
RRUS 32 B66	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7427 2.9647 3.1941 3.6753	1.6681 1.8552 2.0493 2.4585	0.0530 0.0741 0.0984 0.1574
RRUS 32 B66	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7427 2.9647 3.1941 3.6753	1.6681 1.8552 2.0493 2.4585	0.0530 0.0741 0.0984 0.1574
RRUS 12	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.1450 3.3648 3.5920 4.0687	1.2854 1.4379 1.5998 1.9543	0.0580 0.0812 0.1076 0.1709
RRUS 12	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.1450 3.3648 3.5920 4.0687	1.2854 1.4379 1.5998 1.9543	0.0580 0.0812 0.1076 0.1709
RRUS 12	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.1450 3.3648 3.5920 4.0687	1.2854 1.4379 1.5998 1.9543	0.0580 0.0812 0.1076 0.1709
RRUS 32 B2	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7313 2.9531 3.1823 3.6628	1.6681 1.8552 2.0493 2.4585	0.0529 0.0740 0.0982 0.1571
RRUS 32 B2	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7313 2.9531 3.1823 3.6628	1.6681 1.8552 2.0493 2.4585	0.0529 0.0740 0.0982 0.1571
RRUS 32 B2	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7313 2.9531 3.1823 3.6628	1.6681 1.8552 2.0493 2.4585	0.0529 0.0740 0.0982 0.1571
RRUS 32	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.8571 3.0830 3.3163 3.8052	1.7766 1.9677 2.1658 2.5829	0.0551 0.0774 0.1029 0.1646
RRUS 32	B	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.8571 3.0830 3.3163 3.8052	1.7766 1.9677 2.1658 2.5829	0.0551 0.0774 0.1029 0.1646
RRUS 32	C	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.8571 3.0830 3.3163 3.8052	1.7766 1.9677 2.1658 2.5829	0.0551 0.0774 0.1029 0.1646

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
DC6-48-60-0-8F	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9167 1.4583 1.6431 2.0417	0.9167 1.4583 1.6431 2.0417	0.0328 0.0505 0.0707 0.1192
DC6-48-60-18-8F	A	From Leg	4.0000 0.0000 1.0000	0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.2117 1.8924 2.1051 2.5703	1.2117 1.8924 2.1051 2.5703	0.0200 0.0420 0.0668 0.1256
Sector Mount [SM 502-3]	C	None		0.0000	156.0000	No Ice 1/2" Ice 1" Ice 2" Ice	29.8200 42.2100 54.4300 78.4900	29.8200 42.2100 54.4300 78.4900	1.6731 2.2663 3.0515 5.1798
**									
(2) PCS 1900MHz 4x45W-65MHz	A	From Leg	1.0000 0.0000 0.0000	0.0000	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.3218 2.5266 2.7388 3.1855	2.2381 2.4407 2.6507 3.0929	0.0600 0.0831 0.1095 0.1727
(2) PCS 1900MHz 4x45W-65MHz	B	From Leg	1.0000 0.0000 0.0000	0.0000	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.3218 2.5266 2.7388 3.1855	2.2381 2.4407 2.6507 3.0929	0.0600 0.0831 0.1095 0.1727
(2) PCS 1900MHz 4x45W-65MHz	C	From Leg	1.0000 0.0000 0.0000	0.0000	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.3218 2.5266 2.7388 3.1855	2.2381 2.4407 2.6507 3.0929	0.0600 0.0831 0.1095 0.1727
800MHz 2X50W RRH W/FILTER	A	From Leg	1.0000 0.0000 0.0000	0.0000	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0583 2.2398 2.4287 2.8287	1.9317 2.1087 2.2931 2.6843	0.0640 0.0861 0.1113 0.1716
800MHz 2X50W RRH W/FILTER	B	From Leg	1.0000 0.0000 0.0000	0.0000	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0583 2.2398 2.4287 2.8287	1.9317 2.1087 2.2931 2.6843	0.0640 0.0861 0.1113 0.1716
800MHz 2X50W RRH W/FILTER	C	From Leg	1.0000 0.0000 0.0000	0.0000	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0583 2.2398 2.4287 2.8287	1.9317 2.1087 2.2931 2.6843	0.0640 0.0861 0.1113 0.1716
Side Arm Mount [SO 103-3]	C	None		0.0000	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.6400 8.8000 10.1600 13.3600	7.6400 8.8000 10.1600 13.3600	0.2340 0.3596 0.5175 0.9374
(2) 4' x 2" Pipe Mount	A	From Leg	1.0000 0.0000 0.0000	0.0000	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.7852 1.0284 1.2809 1.8136	0.7852 1.0284 1.2809 1.8136	0.0290 0.0353 0.0445 0.0718
(2) 4' x 2" Pipe Mount	B	From Leg	1.0000 0.0000 0.0000	0.0000	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.7852 1.0284 1.2809 1.8136	0.7852 1.0284 1.2809 1.8136	0.0290 0.0353 0.0445 0.0718
(2) 4' x 2" Pipe Mount	C	From Leg	1.0000 0.0000 0.0000	0.0000	148.0000	No Ice 1/2" Ice 1" Ice	0.7852 1.0284 1.2809 1.8136	0.7852 1.0284 1.2809 1.8136	0.0290 0.0353 0.0445 0.0718

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
**						2" Ice			
APXVTM14-C-120 w/ Mount Pipe	A	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.0770 0.1267 0.1853 0.3307
APXVTM14-C-120 w/ Mount Pipe	B	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.0770 0.1267 0.1853 0.3307
APXVTM14-C-120 w/ Mount Pipe	C	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.0770 0.1267 0.1853 0.3307
APXV9ERR18-C-A20 w/ Mount Pipe	A	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.0951 0.1595 0.2348 0.4191
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.0951 0.1595 0.2348 0.4191
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.0951 0.1595 0.2348 0.4191
TD-RRH8x20-25	A	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0455 4.2975 4.5570 5.0981	1.5345 1.7142 1.9008 2.2951	0.0700 0.0972 0.1278 0.2005
TD-RRH8x20-25	B	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0455 4.2975 4.5570 5.0981	1.5345 1.7142 1.9008 2.2951	0.0700 0.0972 0.1278 0.2005
TD-RRH8x20-25	C	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0455 4.2975 4.5570 5.0981	1.5345 1.7142 1.9008 2.2951	0.0700 0.0972 0.1278 0.2005
IBC1900HG-2A	A	From Leg	4.0000 0.0000 0.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.0220 0.0297 0.0393 0.0650
IBC1900HG-2A	B	From Leg	4.0000 0.0000 0.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.0220 0.0297 0.0393 0.0650
IBC1900HG-2A	C	From Leg	4.0000 0.0000 0.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.0220 0.0297 0.0393 0.0650
IBC1900BB-1	A	From Leg	4.0000 0.0000 0.0000	0.0000	146.0000	No Ice 1/2" Ice	0.9660 1.0908 1.2230	0.4635 0.5576 0.6599	0.0220 0.0297 0.0393

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice 2" Ice	1.5097	0.8927	0.0650
IBC1900BB-1	B	From Leg	4.0000 0.0000 0.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.0220 0.0297 0.0393 0.0650
IBC1900BB-1	C	From Leg	4.0000 0.0000 0.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.0220 0.0297 0.0393 0.0650
Platform Mount [LP 1201-1]	C	None		0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	23.1000 26.8000 30.5000 37.9000	23.1000 26.8000 30.5000 37.9000	2.1000 2.5000 2.9000 3.7000
Miscellaneous [NA 510-1]	C	None		0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.3600 8.5200 10.6200 14.6400	6.3600 8.5200 10.6200 14.6400	0.2557 0.3438 0.4587 0.7690
5' x 2" Pipe Mount	A	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1875 1.4956 1.8071 2.4580	1.1875 1.4956 1.8071 2.4580	0.0183 0.0273 0.0398 0.0758
5' x 2" Pipe Mount	B	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1875 1.4956 1.8071 2.4580	1.1875 1.4956 1.8071 2.4580	0.0183 0.0273 0.0398 0.0758
5' x 2" Pipe Mount	C	From Leg	4.0000 0.0000 1.0000	0.0000	146.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1875 1.4956 1.8071 2.4580	1.1875 1.4956 1.8071 2.4580	0.0183 0.0273 0.0398 0.0758
**									
APXV18-206517S-C	A	From Leg	2.0000 0.0000 0.0000	30.0000	139.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8300 4.4600 5.1100 6.4400	1.8100 2.4100 3.0300 4.3100	0.0263 0.0540 0.0873 0.1722
APXV18-206517S-C	B	From Leg	2.0000 0.0000 0.0000	30.0000	139.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8300 4.4600 5.1100 6.4400	1.8100 2.4100 3.0300 4.3100	0.0263 0.0540 0.0873 0.1722
APXV18-206517S-C	C	From Leg	2.0000 0.0000 0.0000	30.0000	139.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8300 4.4600 5.1100 6.4400	1.8100 2.4100 3.0300 4.3100	0.0263 0.0540 0.0873 0.1722
Pipe Mount [PM 501-3]	C	None		0.0000	139.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.4600 5.5200 6.6600 9.1600	4.4600 5.5200 6.6600 9.1600	0.1560 0.2130 0.2873 0.4932
**									
(2) BXA-80080-6CF-EDIN-X w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.0062 6.5619 7.0826 8.1445	6.2035 7.3594 8.2293 10.0193	0.0432 0.0978 0.1600 0.3105
(2) BXA-80080-6CF-EDIN-	B	From Leg	4.0000	0.0000	132.0000	No Ice	6.0062	6.2035	0.0432

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
X w/ Mount Pipe			0.0000 2.0000			1/2" Ice 1" Ice 2" Ice	6.5619 7.0826 8.1445	7.3594 8.2293 10.0193	0.0978 0.1600 0.3105
(2) BXA-80080-6CF-EDIN-X w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.0062 6.5619 7.0826 8.1445	6.2035 7.3594 8.2293 10.0193	0.0432 0.0978 0.1600 0.3105
(2) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.0665 0.1297 0.2037 0.3859
(2) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.0665 0.1297 0.2037 0.3859
(2) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.0665 0.1297 0.2037 0.3859
RFV01U-D1A	A	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.2500 1.3926 1.5426 1.8648	0.0844 0.1027 0.1239 0.1753
RFV01U-D1A	B	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.2500 1.3926 1.5426 1.8648	0.0844 0.1027 0.1239 0.1753
RFV01U-D1A	C	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.2500 1.3926 1.5426 1.8648	0.0844 0.1027 0.1239 0.1753
RFV01U-D2A	A	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.0703 0.0867 0.1058 0.1528
RFV01U-D2A	B	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.0703 0.0867 0.1058 0.1528
RFV01U-D2A	C	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.0703 0.0867 0.1058 0.1528
DB-C1-12C-24AB-0Z	A	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0563 4.3155 4.5822 5.1377	3.0975 3.3351 3.5801 4.0923	0.0320 0.0685 0.1090 0.2027
CBRS w/ Mount Pipe	A	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.7135 1.9342 2.1662 2.6643	1.1683 1.4373 1.7226 2.3506	0.0317 0.0500 0.0716 0.1265
CBRS w/ Mount Pipe	B	From Leg	4.0000	0.0000	132.0000	No Ice	1.7135	1.1683	0.0317

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.0000 1.0000			1/2" Ice	1.9342 2.1662	1.4373 1.7226	0.0500 0.0716
						1" Ice 2" Ice	2.6643	2.3506	0.1265
CBRS w/ Mount Pipe	C	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.7135 1.9342 2.1662 2.6643	1.1683 1.4373 1.7226 2.3506	0.0317 0.0500 0.0716 0.1265
20W CBRS	A	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.8571 0.9752 1.1008 1.3741	0.4203 0.5105 0.6082 0.8327	0.0186 0.0255 0.0342 0.0578
20W CBRS	B	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.8571 0.9752 1.1008 1.3741	0.4203 0.5105 0.6082 0.8327	0.0186 0.0255 0.0342 0.0578
20W CBRS	C	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.8571 0.9752 1.1008 1.3741	0.4203 0.5105 0.6082 0.8327	0.0186 0.0255 0.0342 0.0578
Platform Mount [LP 715-1]	C	None		0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	46.7700 50.2500 53.9700 62.2200	46.7700 50.2500 53.9700 62.2200	1.7750 2.8843 4.0930 6.8107
Pipe Mount [PM 602-3]	C	None		0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.6700 7.7000 8.7400 10.9000	6.6700 7.7000 8.7400 10.9000	0.2790 0.3439 0.4235 0.6284
Side-by-Side Mounting Kit [PN. BSAMNT-SBS-2-2]	A	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.1106 0.1792 0.2520 0.4186	0.0700 0.0799 0.0957 0.1367
Side-by-Side Mounting Kit [PN. BSAMNT-SBS-2-2]	B	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.1106 0.1792 0.2520 0.4186	0.0700 0.0799 0.0957 0.1367
Side-by-Side Mounting Kit [PN. BSAMNT-SBS-2-2]	C	From Leg	4.0000 0.0000 1.0000	0.0000	132.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.1106 0.1792 0.2520 0.4186	0.0700 0.0799 0.0957 0.1367
**									
HORIZON COMPACT	A	From Leg	1.0000 0.0000 1.0000	0.0000	129.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.7208 0.8278 0.9422 1.1933	0.3681 0.4499 0.5391 0.7396	0.0115 0.0180 0.0261 0.0483
HORIZON COMPACT	B	From Leg	1.0000 0.0000 1.0000	0.0000	129.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.7208 0.8278 0.9422 1.1933	0.3681 0.4499 0.5391 0.7396	0.0115 0.0180 0.0261 0.0483
HORIZON COMPACT	C	From Leg	1.0000 0.0000 1.0000	0.0000	129.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.7208 0.8278 0.9422 1.1933	0.3681 0.4499 0.5391 0.7396	0.0115 0.0180 0.0261 0.0483

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment ° 	Placement ft 		C_AA_A Front ft^2 	C_AA_A Side ft^2 	Weight K
Side Arm Mount [SO 104-3]	C	None		0.0000	129.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.6200 3.3000 3.9800 5.3500	2.6200 3.3000 3.9800 5.3500	0.2880 0.4080 0.5280 0.7680
7'x2 1/2" Pipe Mount	A	From Leg	0.5000 0.0000 0.0000	0.0000	129.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0125 2.5890 3.0176 3.9026	2.0125 2.5890 3.0176 3.9026	0.0405 0.0553 0.0748 0.1287
7'x2 1/2" Pipe Mount	B	From Leg	0.5000 0.0000 0.0000	0.0000	129.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0125 2.5890 3.0176 3.9026	2.0125 2.5890 3.0176 3.9026	0.0405 0.0553 0.0748 0.1287
7'x2 1/2" Pipe Mount	C	From Leg	0.5000 0.0000 0.0000	0.0000	129.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0125 2.5890 3.0176 3.9026	2.0125 2.5890 3.0176 3.9026	0.0405 0.0553 0.0748 0.1287
**									
58532A	A	From Leg	3.0000 0.0000 1.0000	0.0000	101.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.1893 0.2483 0.3147 0.4698	0.1893 0.2483 0.3147 0.4698	0.0004 0.0028 0.0062 0.0170
Side Arm Mount [SO 701-1]	A	From Leg	1.5000 0.0000 0.0000	0.0000	101.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.8500 1.1400 1.4300 2.0100	1.6700 2.3400 3.0100 4.3500	0.0650 0.0790 0.0930 0.1210
**									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment ° 	3 dB Beam Width ° 	Elevation ft 	Outside Diameter ft 		Aperture Area ft^2 	Weight K
VHLP800-11	A	Paraboloid w/Shroud (HP)	From Leg	1.0000 0.0000 -2.0000	0.0000		129.0000	2.9167	No Ice 1/2" Ice 1" Ice 2" Ice	6.6800 7.0700 7.4600 8.2300	0.0200 0.0300 0.0300 0.0700
VHLP800-11	B	Paraboloid w/Shroud (HP)	From Leg	1.0000 0.0000 -2.0000	30.0000		129.0000	2.9167	No Ice 1/2" Ice 1" Ice 2" Ice	6.6800 7.0700 7.4600 8.2300	0.0200 0.0300 0.0300 0.0700
VHLP2-18	C	Paraboloid w/o Radome	From Leg	1.0000 0.0000 -2.0000	90.0000		129.0000	2.1750	No Ice 1/2" Ice 1" Ice 2" Ice	3.7200 4.0100 4.3000 4.8800	0.0310 0.0500 0.0700 0.1100
**											

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
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160 - 155	Pole	Max Tension	26	0.0000	-0.0000	-0.0000
			Max. Compression	26	-14.9046	1.2777	2.7016
			Max. Mx	20	-4.1772	14.1112	0.3696
			Max. My	2	-4.1716	-0.0232	14.5778
			Max. Vy	8	7.9655	-13.8045	0.4464
			Max. Vx	14	7.9926	0.0570	-13.4402
			Max. Torque	18			-1.9964
L2	155 - 150	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-15.8580	1.0484	2.9089
			Max. Mx	20	-4.6488	54.5382	0.3339
			Max. My	2	-4.6434	-0.1735	55.2261

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	8	8.2287	-54.3487	0.5903
			Max. Vx	14	8.2562	0.1027	-54.0294
			Max. Torque	18			-1.9964
L3	150 - 146	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-19.7023	0.8612	3.0762
			Max. Mx	20	-6.0289	90.9644	0.3063
			Max. My	2	-6.0232	-0.2948	91.8300
			Max. Vy	8	10.0096	-90.8689	0.7013
			Max. Vx	14	10.0380	0.1353	-90.5884
			Max. Torque	18			-1.9961
L4	146 - 141	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-29.3555	0.4443	3.4222
			Max. Mx	8	-10.0698	-162.2441	0.8568
			Max. My	2	-10.0642	-0.4834	163.2959
			Max. Vy	8	14.2115	-162.2441	0.8568
			Max. Vx	14	14.2427	0.1218	-161.9590
			Max. Torque	18			-1.9967
L5	141 - 136	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-31.5653	0.0107	3.7726
			Max. Mx	8	-10.8245	-236.5557	1.0096
			Max. My	2	-10.8191	-0.6773	237.6961
			Max. Vy	8	15.3555	-236.5557	1.0096
			Max. Vx	14	15.3872	0.1005	-236.2625
			Max. Torque	18			-1.9962
L6	136 - 131	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-47.0167	-0.4189	5.1772
			Max. Mx	8	-15.1043	-325.9986	1.2931
			Max. My	2	-15.0943	-0.8677	327.5100
			Max. Vy	8	22.3425	-325.9986	1.2931
			Max. Vx	14	22.4176	0.0768	-325.5870
			Max. Torque	18			-2.5785
L7	131 - 126	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-50.0335	-0.6846	5.6114
			Max. Mx	8	-16.3320	-441.2552	1.1076
			Max. My	2	-16.3004	-0.8421	443.3702
			Max. Vy	8	24.0343	-441.2552	1.1076
			Max. Vx	14	24.4527	-0.1901	-441.4366
			Max. Torque	20			-2.7717
L8	126 - 121	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-51.5463	-1.0177	6.0945
			Max. Mx	8	-17.0990	-562.6873	-0.5100
			Max. My	2	-17.0701	-0.2573	566.4190
			Max. Vy	8	24.5282	-562.6873	-0.5100
			Max. Vx	14	24.9509	-1.5603	-564.8023
			Max. Torque	20			-2.7713
L9	121 - 120.1	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-51.8505	-1.0783	6.1808
			Max. Mx	8	-17.2412	-584.8181	-0.8015
			Max. My	2	-17.2130	-0.1525	588.8424
			Max. Vy	8	24.6424	-584.8181	-0.8015
			Max. Vx	14	25.0651	-1.8076	-587.2825
			Max. Torque	20			-2.7690
L10	120.1 - 119.85	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-51.9534	-1.0955	6.2055
			Max. Mx	8	-17.3086	-590.9846	-0.8820
			Max. My	2	-17.2808	-0.1229	595.0901
			Max. Vy	8	24.6701	-590.9846	-0.8820
			Max. Vx	14	25.0928	-1.8761	-593.5460
			Max. Torque	20			-2.7687
L11	119.85 - 117.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-52.9435	-1.2818	6.4323
			Max. Mx	8	-17.8025	-649.3929	-1.6430
			Max. My	2	-17.7754	0.1504	654.2619
			Max. Vy	8	25.0177	-649.3929	-1.6430
			Max. Vx	14	25.4407	-2.5224	-652.8660
			Max. Torque	20			-2.7686
L12	117.5 -	Pole	Max Tension	1	0.0000	0.0000	0.0000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
	117.25						
			Max. Compression	26	-53.0551	-1.3036	6.4575
			Max. Mx	8	-17.8708	-655.6541	-1.7235
			Max. My	2	-17.8440	0.1800	660.6043
			Max. Vy	8	25.0490	-655.6541	-1.7235
			Max. Vx	14	25.4719	-2.5911	-659.2241
			Max. Torque	20			-2.7681
L13	117.25 - 115.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-53.8779	-1.4281	6.6257
			Max. Mx	8	-18.2639	-699.7590	-2.2904
			Max. My	2	-18.2383	0.3830	705.2680
			Max. Vy	8	25.3391	-699.7590	-2.2904
			Max. Vx	14	25.7515	-3.0732	-703.9979
			Max. Torque	20			-2.7679
L14	115.5 - 115.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-54.0059	-1.4457	6.6508
			Max. Mx	8	-18.3470	-706.1001	-2.3708
			Max. My	2	-18.3219	0.4128	711.6874
			Max. Vy	8	25.3708	-706.1001	-2.3708
			Max. Vx	14	25.7813	-3.1420	-710.4331
			Max. Torque	20			-2.7676
L15	115.25 - 110.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-56.5666	-1.7952	7.1367
			Max. Mx	8	-19.6808	-835.1206	-3.9902
			Max. My	2	-19.6600	0.9920	842.1785
			Max. Vy	20	-26.2239	833.4328	5.5839
			Max. Vx	14	26.5905	-4.5231	-841.2376
			Max. Torque	20			-2.7675
L16	110.25 - 103.75	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-57.9868	-1.9927	7.4093
			Max. Mx	8	-20.4288	-907.8746	-4.8800
			Max. My	2	-20.4103	1.3093	915.6648
			Max. Vy	20	-26.6942	906.1205	6.4262
			Max. Vx	14	27.0353	-5.2854	-914.8945
			Max. Torque	20			-2.7664
L17	103.75 - 102.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-61.7978	-2.3522	7.9048
			Max. Mx	8	-22.7177	-1043.7086	-6.5013
			Max. My	2	-22.7028	1.8877	1052.6915
			Max. Vy	20	-27.6408	1041.8802	7.9610
			Max. Vx	14	27.9355	-6.6740	-1052.2367
			Max. Torque	20			-2.7653
L18	102.5 - 100.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-63.0240	-2.4952	8.5299
			Max. Mx	8	-23.3970	-1099.3319	-6.9523
			Max. My	2	-23.3863	2.1190	1108.9363
			Max. Vy	20	-28.0611	1097.4894	8.7738
			Max. Vx	14	28.3014	-7.2307	-1108.1825
			Max. Torque	20			-2.9971
L19	100.5 - 100.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-63.1649	-2.5136	8.5606
			Max. Mx	8	-23.4791	-1106.3471	-7.0331
			Max. My	2	-23.4689	2.1483	1115.9932
			Max. Vy	20	-28.0980	1104.5033	8.8504
			Max. Vx	14	28.3397	-7.3003	-1115.2561
			Max. Torque	20			-2.9969

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L20	100.25 - 98.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-64.1456	-2.6308	8.7679
			Max. Mx	8	-23.9793	-1155.7547	-7.6018
			Max. My	2	-23.9713	2.3497	1165.6636
			Max. Vy	20	-28.4159	1153.9026	9.3885
			Max. Vx	14	28.6597	-7.7880	-1165.0762
			Max. Torque	20			-2.9966
L21	98.5 - 98.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-64.2868	-2.6446	8.7985
			Max. Mx	8	-24.0752	-1162.8563	-7.6828
			Max. My	2	-24.0678	2.3789	1172.7987
			Max. Vy	20	-28.4427	1161.0027	9.4649
			Max. Vx	14	28.6897	-7.8578	-1172.2372
			Max. Torque	20			-2.9963
L22	98.25 - 93.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-67.0119	-2.9889	9.3983
			Max. Mx	8	-25.6255	-1307.0250	-9.3059
			Max. My	14	-25.5919	-9.2540	-1317.6865
			Max. Vy	20	-29.2947	1305.2112	11.0020
			Max. Vx	14	29.5488	-9.2540	-1317.6865
			Max. Torque	20			-2.9962
L23	93.25 - 90.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-68.5024	-3.1956	9.7303
			Max. Mx	8	-26.4940	-1388.0438	-10.1974
			Max. My	14	-26.4600	-10.0232	-1399.4932
			Max. Vy	20	-29.7629	1386.3240	11.8479
			Max. Vx	14	30.0168	-10.0232	-1399.4932
			Max. Torque	20			-2.9948
L24	90.5 - 90.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-68.6503	-3.2141	9.7632
			Max. Mx	8	-26.5981	-1395.4694	-10.2783
			Max. My	14	-26.5644	-10.0931	-1406.9938
			Max. Vy	20	-29.7936	1393.7614	11.9245
			Max. Vx	14	30.0490	-10.0931	-1406.9938
			Max. Torque	20			-2.9942
L25	90.25 - 85.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-71.6199	-3.5829	10.4036
			Max. Mx	8	-28.3757	-1546.1611	-11.8973
			Max. My	14	-28.3413	-11.4940	-1559.3001
			Max. Vy	20	-30.6817	1544.8072	13.4632
			Max. Vx	14	30.9353	-11.4940	-1559.3001
			Max. Torque	20			-2.9941
L26	85.25 - 83.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-72.7784	-3.7124	10.5886
			Max. Mx	8	-28.9990	-1599.9207	-12.4630
			Max. My	14	-28.9655	-11.9848	-1613.6602
			Max. Vy	20	-31.0147	1598.7264	14.0022
			Max. Vx	14	31.2683	-11.9848	-

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
							1613.6602
			Max. Torque	20			-2.9928
L27	83.5 - 83.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-72.9634	-3.7308	10.6151
			Max. Mx	8	-29.1276	-1607.6479	-12.5437
			Max. My	14	-29.0946	-12.0550	-1621.4725
			Max. Vy	20	-31.0437	1606.4756	14.0787
			Max. Vx	14	31.2989	-12.0550	-1621.4725
			Max. Torque	20			-2.9926
L28	83.25 - 80.75	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-74.8119	-3.9124	10.8703
			Max. Mx	8	-30.1944	-1685.5959	-13.3515
			Max. My	14	-30.1625	-12.7569	-1700.2588
			Max. Vy	20	-31.5381	1684.6323	14.8493
			Max. Vx	14	31.7916	-12.7569	-1700.2588
			Max. Torque	20			-2.9924
L29	80.75 - 80.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-75.0083	-3.9310	10.8969
			Max. Mx	8	-30.3238	-1693.4590	-13.4319
			Max. My	14	-30.2922	-12.8270	-1708.2044
			Max. Vy	20	-31.5774	1692.5148	14.9262
			Max. Vx	14	31.8326	-12.8270	-1708.2044
			Max. Torque	20			-2.9921
L30	80.5 - 80.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-75.2026	-3.9493	10.9227
			Max. Mx	8	-30.4404	-1701.3345	-13.5126
			Max. My	14	-30.4090	-12.8972	-1716.1622
			Max. Vy	20	-31.6268	1700.4096	15.0033
			Max. Vx	14	31.8820	-12.8972	-1716.1622
			Max. Torque	20			-2.9920
L31	80.25 - 77.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-77.3371	-4.1515	11.2057
			Max. Mx	8	-31.7141	-1788.7892	-14.4005
			Max. My	14	-31.6838	-13.6706	-1804.5054
			Max. Vy	20	-32.1774	1788.0603	15.8520
			Max. Vx	14	32.4310	-13.6706	-1804.5054
			Max. Torque	20			-2.9919
L32	77.5 - 77.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-77.5136	-4.1703	11.2327
			Max. Mx	8	-31.8256	-1796.8146	-14.4811
			Max. My	14	-31.7957	-13.7410	-1812.6101
			Max. Vy	20	-32.2137	1796.1018	15.9289
			Max. Vx	14	32.4690	-13.7410	-1812.6101
			Max. Torque	20			-2.9915
L33	77.25 - 68.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-80.4167	-4.4664	11.6769
			Max. Mx	8	-33.5364	-1934.9912	-15.8502
			Max. My	14	-33.5089	-14.9390	-1952.0956

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	20	-32.9863	1934.5179	17.2415
			Max. Vx	14	33.2396	-14.9390	-1952.0956
			Max. Torque	20			-2.9914
L34	68.5 - 68	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-85.9226	-4.8118	12.1991
			Max. Mx	8	-37.2321	-2102.1866	-17.4610
			Max. My	14	-37.2066	-16.3490	-2120.7480
			Max. Vy	20	-34.0189	2101.9110	18.7872
			Max. Vx	14	34.2731	-16.3490	-2120.7480
			Max. Torque	20			-2.9901
L35	68 - 64.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-88.6367	-5.0833	12.5905
			Max. Mx	8	-38.8749	-2230.8035	-18.6689
			Max. My	14	-38.8514	-17.4085	-2250.3957
			Max. Vy	20	-34.6956	2230.6146	19.9467
			Max. Vx	14	34.9490	-17.4085	-2250.3957
			Max. Torque	20			-2.9899
L36	64.25 - 64	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-88.8292	-5.1026	12.6177
			Max. Mx	8	-39.0078	-2239.4688	-18.7493
			Max. My	14	-38.9847	-17.4792	-2259.1278
			Max. Vy	20	-34.7248	2239.2836	20.0236
			Max. Vx	14	34.9799	-17.4792	-2259.1278
			Max. Torque	20			-2.9893
L37	64 - 60.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-91.5361	-5.3604	13.0125
			Max. Mx	8	-40.6471	-2362.0055	-19.8737
			Max. My	14	-40.6253	-18.4682	-2382.5858
			Max. Vy	20	-35.3795	2361.8505	21.1055
			Max. Vx	14	35.6392	-18.4682	-2382.5858
			Max. Torque	20			-2.9892
L38	60.5 - 60.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-91.7469	-5.3800	13.0397
			Max. Mx	8	-40.7840	-2370.8463	-19.9539
			Max. My	14	-40.7626	-18.5388	-2391.4915
			Max. Vy	20	-35.4141	2370.6915	21.1825
			Max. Vx	14	35.6755	-18.5388	-2391.4915
			Max. Torque	20			-2.9887
L39	60.25 - 60.1	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-91.8734	-5.3919	13.0562
			Max. Mx	8	-40.8603	-2376.1566	-20.0018
			Max. My	14	-40.8389	-18.5811	-2396.8407
			Max. Vy	20	-35.4418	2376.0019	21.2289
			Max. Vx	14	35.7066	-18.5811	-2396.8407
			Max. Torque	20			-2.9887
L40	60.1 - 59.85	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-92.0858	-5.4131	13.0860
			Max. Mx	8	-40.9884	-2385.0164	-20.0822
			Max. My	14	-40.9670	-18.6519	-

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
							2405.7653
			Max. Vy	20	-35.4916	2384.8622	21.3061
			Max. Vx	14	35.7529	-18.6519	-2405.7653
			Max. Torque	20			-2.9887
L41	59.85 - 59.1	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-92.7172	-5.4816	13.1859
			Max. Mx	8	-41.3703	-2411.6663	-20.3228
			Max. My	14	-41.3489	-18.8639	-2432.6123
			Max. Vy	20	-35.6441	2411.5162	21.5380
			Max. Vx	14	35.9038	-18.8639	-2432.6123
			Max. Torque	20			-2.9886
L42	59.1 - 58.85	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-92.9363	-5.5048	13.2203
			Max. Mx	8	-41.5137	-2420.5731	-20.4028
			Max. My	14	-41.4924	-18.9345	-2441.5860
			Max. Vy	20	-35.6866	2420.4252	21.6152
			Max. Vx	14	35.9479	-18.9345	-2441.5860
			Max. Torque	20			-2.9885
L43	58.85 - 55.4	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-95.9513	-5.8238	13.6813
			Max. Mx	8	-43.4018	-2544.6723	-21.5079
			Max. My	14	-43.3803	-19.9100	-2566.6628
			Max. Vy	20	-36.3717	2544.6136	22.6819
			Max. Vx	14	36.6311	-19.9100	-2566.6628
			Max. Torque	20			-2.9884
L44	55.4 - 55.15	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-96.1709	-5.8473	13.7161
			Max. Mx	8	-43.5505	-2553.7514	-21.5878
			Max. My	14	-43.5293	-19.9807	-2575.8167
			Max. Vy	20	-36.4084	2553.7031	22.7590
			Max. Vx	14	36.6694	-19.9807	-2575.8167
			Max. Torque	20			-2.9881
L45	55.15 - 54.75	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-96.5224	-5.8842	13.7697
			Max. Mx	8	-43.7709	-2568.3016	-21.7158
			Max. My	14	-43.7496	-20.0939	-2590.4879
			Max. Vy	20	-36.4881	2568.2713	22.8826
			Max. Vx	14	36.7479	-20.0939	-2590.4879
			Max. Torque	20			-2.9880
L46	54.75 - 54.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-96.7238	-5.9075	13.8039
			Max. Mx	8	-43.8937	-2577.4105	-21.7958
			Max. My	14	-43.8725	-20.1646	-2599.6730
			Max. Vy	20	-36.5334	2577.3921	22.9599
			Max. Vx	14	36.7944	-20.1646	-2599.6730
			Max. Torque	20			-2.9880
L47	54.5 - 49.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-100.6293	-6.3419	14.4800
			Max. Mx	20	-46.3176	2762.1586	24.5040

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	14	-46.3019	-21.5787	-2785.7236
			Max. Vy	20	-37.4431	2762.1586	24.5040
			Max. Vx	14	37.7015	-21.5787	-2785.7236
			Max. Torque	20			-2.9879
L48	49.5 - 44.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-104.4534	-6.7341	15.1272
			Max. Mx	20	-48.7881	2951.2990	26.0449
			Max. My	14	-48.7743	-22.9916	-2976.1435
			Max. Vy	20	-38.2983	2951.2990	26.0449
			Max. Vx	14	38.5557	-22.9916	-2976.1435
			Max. Torque	20			-2.9872
L49	44.5 - 41.3	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-106.9568	-6.9484	15.4634
			Max. Mx	20	-50.3882	3074.5701	27.0293
			Max. My	14	-50.3758	-23.8948	-3100.2306
			Max. Vy	20	-38.8346	3074.5701	27.0293
			Max. Vx	14	39.0913	-23.8948	-3100.2306
			Max. Torque	20			-2.9866
L50	41.3 - 41.05	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-107.1639	-6.9655	15.4904
			Max. Mx	20	-50.5370	3084.2727	27.1059
			Max. My	14	-50.5249	-23.9653	-3109.9970
			Max. Vy	20	-38.8609	3084.2727	27.1059
			Max. Vx	14	39.1189	-23.9653	-3109.9970
			Max. Torque	20			-2.9862
L51	41.05 - 34	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-108.9090	-7.1184	15.7055
			Max. Mx	20	-51.6433	3164.2353	27.7366
			Max. My	14	-51.6317	-24.5439	-3190.4808
			Max. Vy	20	-39.2243	3164.2353	27.7366
			Max. Vx	14	39.4805	-24.5439	-3190.4808
			Max. Torque	20			-2.9862
L52	34 - 33	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-117.4866	-7.5426	16.2773
			Max. Mx	20	-57.8349	3402.9631	29.5824
			Max. My	14	-57.8244	-26.2362	-3430.7340
			Max. Vy	20	-40.4123	3402.9631	29.5824
			Max. Vx	14	40.6685	-26.2362	-3430.7340
			Max. Torque	20			-2.9858
L53	33 - 31.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-118.9382	-7.6548	16.4190
			Max. Mx	20	-58.7948	3463.7160	30.0435
			Max. My	14	-58.7847	-26.6593	-3491.8679
			Max. Vy	20	-40.6818	3463.7160	30.0435
			Max. Vx	14	40.9378	-26.6593	-3491.8679
			Max. Torque	20			-2.9857
L54	31.5 - 31.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-119.1855	-7.6714	16.4518
			Max. Mx	20	-58.9717	3473.8795	30.1200
			Max. My	14	-58.9619	-26.7298	-3502.0952
			Max. Vy	20	-40.7050	3473.8795	30.1200
			Max. Vx	14	40.9639	-26.7298	-3502.0952
			Max. Torque	20			-2.9857

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L55	31.25 - 30.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-119.9206	-7.7244	16.5324
			Max. Mx	20	-59.4552	3504.4348	30.3505
			Max. My	14	-59.4454	-26.9413	-3532.8426
			Max. Vy	20	-40.8426	3504.4348	30.3505
			Max. Vx	14	41.1020	-26.9413	-3532.8426
			Max. Torque	20			-2.9856
L56	30.5 - 30.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-120.1612	-7.7432	16.5567
			Max. Mx	20	-59.6208	3514.6414	30.4272
			Max. My	14	-59.6112	-27.0118	-3543.1136
			Max. Vy	20	-40.8771	3514.6414	30.4272
			Max. Vx	14	41.1377	-27.0118	-3543.1136
			Max. Torque	20			-2.9856
L57	30.25 - 25.75	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-124.4753	-8.0785	16.9843
			Max. Mx	20	-62.4899	3700.1308	31.8081
			Max. My	14	-62.4816	-28.2799	-3729.7581
			Max. Vy	20	-41.6392	3700.1308	31.8081
			Max. Vx	14	41.8976	-28.2799	-3729.7581
			Max. Torque	20			-2.9856
L58	25.75 - 25.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-124.7134	-8.0975	17.0088
			Max. Mx	20	-62.6597	3710.5341	31.8845
			Max. My	14	-62.6516	-28.3503	-3740.2256
			Max. Vy	20	-41.6638	3710.5341	31.8845
			Max. Vx	14	41.9233	-28.3503	-3740.2256
			Max. Torque	20			-2.9853
L59	25.5 - 24.7	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-125.4747	-8.1572	17.0846
			Max. Mx	20	-63.1626	3743.8922	32.1297
			Max. My	14	-63.1547	-28.5755	-3773.7884
			Max. Vy	20	-41.8027	3743.8922	32.1297
			Max. Vx	14	42.0609	-28.5755	-3773.7884
			Max. Torque	20			-2.9853
L60	24.7 - 24.45	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-125.6909	-8.1762	17.1090
			Max. Mx	20	-63.3076	3754.3375	32.2062
			Max. My	14	-63.2998	-28.6459	-3784.2978
			Max. Vy	20	-41.8317	3754.3375	32.2062
			Max. Vx	14	42.0909	-28.6459	-3784.2978
			Max. Torque	20			-2.9852
L61	24.45 - 24	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-126.0801	-8.2098	17.1517
			Max. Mx	20	-63.5544	3773.1633	32.3440
			Max. My	14	-63.5467	-28.7726	-3803.2387
			Max. Vy	20	-41.9051	3773.1633	32.3440
			Max. Vx	14	42.1633	-28.7726	-3803.2387
			Max. Torque	20			-2.9852
L62	24 - 23.75	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-126.3188	-8.2287	17.1759
			Max. Mx	20	-63.7177	3783.6358	32.4205
			Max. My	14	-63.7102	-28.8429	-3813.7752

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	20	-41.9405	3783.6358	32.4205
			Max. Vx	14	42.1995	-28.8429	-3813.7752
			Max. Torque	20			-2.9852
L63	23.75 - 18.75	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-130.8394	-8.5768	17.6038
			Max. Mx	20	-66.9054	3995.0310	33.9500
			Max. My	14	-66.8993	-30.2485	-4026.4461
			Max. Vy	20	-42.6931	3995.0310	33.9500
			Max. Vx	14	42.9499	-30.2485	-4026.4461
			Max. Torque	20			-2.9852
L64	18.75 - 14.1	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-134.9413	-8.9383	17.9153
			Max. Mx	20	-69.9033	4194.7760	35.3687
			Max. My	14	-69.8987	-31.5532	-4227.3556
			Max. Vy	20	-43.3126	4194.7760	35.3687
			Max. Vx	14	43.5612	-31.5532	-4227.3556
			Max. Torque	20			-2.9850
L65	14.1 - 13.8	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-135.2144	-8.9617	17.9364
			Max. Mx	20	-70.1119	4207.7611	35.4599
			Max. My	14	-70.1075	-31.6374	-4240.4144
			Max. Vy	20	-43.3363	4207.7611	35.4599
			Max. Vx	14	43.5837	-31.6374	-4240.4144
			Max. Torque	20			-2.9848
L66	13.8 - 13.65	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-135.3509	-8.9735	17.9472
			Max. Mx	20	-70.2129	4214.2581	35.5056
			Max. My	14	-70.2086	-31.6794	-4246.9482
			Max. Vy	20	-43.3537	4214.2581	35.5056
			Max. Vx	14	43.6020	-31.6794	-4246.9482
			Max. Torque	20			-2.9848
L67	13.65 - 10.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-138.1922	-9.2268	18.1327
			Max. Mx	20	-72.2844	4351.3911	36.4644
			Max. My	14	-72.2811	-32.5614	-4384.8147
			Max. Vy	20	-43.7924	4351.3911	36.4644
			Max. Vx	14	44.0165	-32.5614	-4384.8147
			Max. Torque	20			-2.9848
L68	10.5 - 10.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-138.4101	-9.2493	18.1439
			Max. Mx	20	-72.4552	4362.3315	36.5402
			Max. My	14	-72.4520	-32.6315	-4395.8103
			Max. Vy	20	-43.8106	4362.3315	36.5402
			Max. Vx	14	44.0325	-32.6315	-4395.8103
			Max. Torque	20			-2.9847
L69	10.25 - 5.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-142.7249	-9.6923	18.3635
			Max. Mx	20	-75.6746	4582.8845	38.0578
			Max. My	14	-75.6729	-34.0283	-4617.3237
			Max. Vy	20	-44.4913	4582.8845	38.0578
			Max. Vx	14	44.6585	-34.0283	-4617.3237
			Max. Torque	20			-2.9847
L70	5.25 - 3	Pole	Max Tension	1	0.0000	0.0000	0.0000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-144.6436	-9.8857	18.4625
			Max. Mx	20	-77.1395	4683.2167	38.7388
			Max. My	14	-77.1385	-34.6556	-4717.9995
			Max. Vy	20	-44.7925	4683.2167	38.7388
			Max. Vx	14	44.9353	-34.6556	-4717.9995
			Max. Torque	20			-2.9846
L71	3 - 2.9	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-144.7259	-9.8942	18.4672
			Max. Mx	20	-77.2149	4687.6914	38.7688
			Max. My	14	-77.2141	-34.6836	-4722.4883
			Max. Vy	20	-44.7845	4687.6914	38.7688
			Max. Vx	14	44.9274	-34.6836	-4722.4883
			Max. Torque	20			-2.9846
L72	2.9 - 2.75	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-144.8422	-9.9068	18.4737
			Max. Mx	20	-77.3021	4694.4060	38.8142
			Max. My	14	-77.3013	-34.7254	-4729.2236
			Max. Vy	20	-44.8050	4694.4060	38.8142
			Max. Vx	14	44.9455	-34.7254	-4729.2236
			Max. Torque	20			-2.9846
L73	2.75 - 2.65	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-144.9197	-9.9153	18.4781
			Max. Mx	20	-77.3614	4698.8839	38.8444
			Max. My	14	-77.3607	-34.7532	-4733.7154
			Max. Vy	20	-44.8167	4698.8839	38.8444
			Max. Vx	14	44.9569	-34.7532	-4733.7154
			Max. Torque	20			-2.9846
L74	2.65 - 2.5	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-145.0357	-9.9278	18.4846
			Max. Mx	20	-77.4487	4705.6033	38.8898
			Max. My	14	-77.4480	-34.7950	-4740.4551
			Max. Vy	20	-44.8371	4705.6033	38.8898
			Max. Vx	14	44.9749	-34.7950	-4740.4551
			Max. Torque	20			-2.9846
L75	2.5 - 2.25	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-145.2308	-9.9486	18.4955
			Max. Mx	20	-77.5962	4716.8086	38.9653
			Max. My	14	-77.5955	-34.8646	-4751.6938
			Max. Vy	20	-44.8715	4716.8086	38.9653
			Max. Vx	14	45.0062	-34.8646	-4751.6938
			Max. Torque	20			-2.9846
L76	2.25 - 1.9	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-145.5028	-9.9775	18.5107
			Max. Mx	20	-77.8033	4732.5095	39.0711
			Max. My	14	-77.8027	-34.9620	-4767.4404
			Max. Vy	20	-44.9185	4732.5095	39.0711
			Max. Vx	14	45.0493	-34.9620	-4767.4404
			Max. Torque	20			-2.9846
L77	1.9 - 1.65	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-145.6879	-9.9980	18.5217
			Max. Mx	20	-77.9453	4743.7340	39.1466
			Max. My	14	-77.9448	-35.0316	-4778.6966
			Max. Vy	20	-44.9479	4743.7340	39.1466
			Max. Vx	14	45.0760	-35.0316	-

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
							4778.6966
			Max. Torque	20			-2.9846
L78	1.65 - 0	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-146.8651	-10.1271	18.6013
			Max. Mx	20	-78.8555	4818.0075	39.6448
			Max. My	14	-78.8553	-35.4904	-4853.1280
			Max. Vy	20	-45.1837	4818.0075	39.6448
			Max. Vx	14	45.2516	-35.4904	-4853.1280
			Max. Torque	20			-2.9846

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	31	146.8651	-8.7869	-5.1822
	Max. H_x	21	59.1590	45.1433	0.2713
	Max. H_z	2	78.8786	0.1287	44.3727
	Max. M_x	2	4774.0453	0.1287	44.3727
	Max. M_z	8	4814.3681	-45.0642	-0.3333
	Max. Torsion	6	2.7856	-38.7470	22.5157
	Min. Vert	19	59.1590	38.3318	-22.4550
	Min. H_x	8	78.8786	-45.0642	-0.3333
	Min. H_z	14	78.8786	-0.2491	-45.2110
	Min. M_x	14	-4853.1280	-0.2491	-45.2110
	Min. M_z	20	-4818.0075	45.1433	0.2713
	Min. Torsion	20	-2.9846	45.1433	0.2713

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	65.7322	0.0000	0.0000	-3.6350	-2.6263	-0.0000
1.2 Dead+1.0 Wind 0 deg - No Ice	78.8786	-0.1287	-44.3727	-4774.0453	13.0337	-1.0868
0.9 Dead+1.0 Wind 0 deg - No Ice	59.1590	-0.1287	-44.3727	-4723.4432	13.7187	-1.0820
1.2 Dead+1.0 Wind 30 deg - No Ice	78.8786	22.2788	-39.3278	-4212.6735	-2375.7776	-2.1847
0.9 Dead+1.0 Wind 30 deg - No Ice	59.1590	22.2788	-39.3278	-4168.1336	-2350.4888	-2.1722
1.2 Dead+1.0 Wind 60 deg - No Ice	78.8786	38.7470	-22.5157	-2411.0943	-4135.8917	-2.7856
0.9 Dead+1.0 Wind 60 deg - No Ice	59.1590	38.7470	-22.5157	-2385.1016	-4092.4511	-2.7685
1.2 Dead+1.0 Wind 90 deg - No Ice	78.8786	45.0642	0.3333	38.8200	-4814.3681	-2.1959
0.9 Dead+1.0 Wind 90 deg - No Ice	59.1590	45.0642	0.3333	39.5543	-4763.9692	-2.1786
1.2 Dead+1.0 Wind 120 deg - No Ice	78.8786	40.4867	23.9453	2599.9854	-4382.7906	-1.8223
0.9 Dead+1.0 Wind 120 deg - No Ice	59.1590	40.4867	23.9453	2574.2679	-4336.7411	-1.8092
1.2 Dead+1.0 Wind 150 deg - No Ice	78.8786	22.8185	39.8498	4284.0075	-2452.8605	0.0051
0.9 Dead+1.0 Wind 150 deg - No Ice	59.1590	22.8185	39.8498	4241.0419	-2426.8203	0.0095
1.2 Dead+1.0 Wind 180 deg	78.8786	0.2491	45.2110	4853.1280	-35.4906	1.3597

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.0 Wind 180 deg - No Ice	59.1590	0.2491	45.2110	4804.2435	-34.3217	1.3548
1.2 Dead+1.0 Wind 210 deg - No Ice	78.8786	-21.9577	39.1019	4216.0685	2351.2208	2.4386
0.9 Dead+1.0 Wind 210 deg - No Ice	59.1590	-21.9577	39.1019	4173.6787	2327.7700	2.4257
1.2 Dead+1.0 Wind 240 deg - No Ice	78.8786	-38.3318	22.4550	2410.4447	4102.8820	2.5406
0.9 Dead+1.0 Wind 240 deg - No Ice	59.1590	-38.3318	22.4550	2386.6538	4061.3071	2.5234
1.2 Dead+1.0 Wind 270 deg - No Ice	78.8786	-45.1433	-0.2713	-39.6444	4818.0075	2.9846
0.9 Dead+1.0 Wind 270 deg - No Ice	59.1590	-45.1433	-0.2713	-38.1202	4769.2098	2.9680
1.2 Dead+1.0 Wind 300 deg - No Ice	78.8786	-40.5481	-23.7457	-2583.7396	4386.3065	2.5070
0.9 Dead+1.0 Wind 300 deg - No Ice	59.1590	-40.5481	-23.7457	-2555.9248	4341.8096	2.4946
1.2 Dead+1.0 Wind 330 deg - No Ice	78.8786	-22.4368	-39.1355	-4221.3491	2408.9912	0.3493
0.9 Dead+1.0 Wind 330 deg - No Ice	59.1590	-22.4368	-39.1355	-4176.5501	2384.8932	0.3451
1.2 Dead+1.0 Ice	146.8651	0.0000	-0.0000	-18.6013	-10.1271	-0.0019
1.2 Dead+1.0 Wind 0 deg+1.0 Ice	146.8651	-0.0264	-9.6713	-1221.0239	-6.6470	-0.2811
1.2 Dead+1.0 Wind 30 deg+1.0 Ice	146.8651	4.8283	-8.5002	-1070.9947	-606.2878	-0.6342
1.2 Dead+1.0 Wind 60 deg+1.0 Ice	146.8651	8.3976	-4.8707	-621.5175	-1047.9897	-0.8335
1.2 Dead+1.0 Wind 90 deg+1.0 Ice	146.8651	9.7602	0.0696	-9.1602	-1216.7639	-0.7149
1.2 Dead+1.0 Wind 120 deg+1.0 Ice	146.8651	8.7869	5.1822	624.7618	-1097.9109	-0.6344
1.2 Dead+1.0 Wind 150 deg+1.0 Ice	146.8651	4.9086	8.5554	1041.7910	-617.8433	-0.0861
1.2 Dead+1.0 Wind 180 deg+1.0 Ice	146.8651	0.0519	9.7910	1196.2044	-17.4218	0.3323
1.2 Dead+1.0 Wind 210 deg+1.0 Ice	146.8651	-4.7740	8.4764	1036.6479	582.0035	0.6818
1.2 Dead+1.0 Wind 240 deg+1.0 Ice	146.8651	-8.3240	4.8632	585.8960	1022.4835	0.7801
1.2 Dead+1.0 Wind 270 deg+1.0 Ice	146.8651	-9.7729	-0.0547	-26.3957	1197.9244	0.8776
1.2 Dead+1.0 Wind 300 deg+1.0 Ice	146.8651	-8.7993	-5.1412	-656.8705	1079.5659	0.7742
1.2 Dead+1.0 Wind 330 deg+1.0 Ice	146.8651	-4.8410	-8.4279	-1066.5504	590.7557	0.1553
Dead+Wind 0 deg - Service	65.7322	-0.0279	-9.6287	-1032.7819	0.8180	-0.2394
Dead+Wind 30 deg - Service	65.7322	4.8344	-8.5340	-911.7024	-514.5929	-0.4800
Dead+Wind 60 deg - Service	65.7322	8.4080	-4.8858	-522.9829	-894.3353	-0.6096
Dead+Wind 90 deg - Service	65.7322	9.7788	0.0723	5.5977	-1040.7358	-0.4779
Dead+Wind 120 deg - Service	65.7322	8.7855	5.1961	558.2668	-947.7521	-0.3962
Dead+Wind 150 deg - Service	65.7322	4.9515	8.6473	921.5895	-531.2539	0.0023
Dead+Wind 180 deg - Service	65.7322	0.0541	9.8107	1044.3458	-9.6514	0.2967
Dead+Wind 210 deg - Service	65.7322	-4.7648	8.4850	906.8750	505.3048	0.5315
Dead+Wind 240 deg - Service	65.7322	-8.3179	4.8727	517.2766	883.2083	0.5547
Dead+Wind 270 deg - Service	65.7322	-9.7960	-0.0589	-11.3325	1037.5294	0.6544
Dead+Wind 300 deg - Service	65.7322	-8.7988	-5.1527	-560.3138	944.5095	0.5499
Dead+Wind 330 deg - Service	65.7322	-4.8687	-8.4923	-913.5762	517.7710	0.0758

Solution Summary

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
1	0.0000	-65.7322	0.0000	0.0000	65.7322	0.0000	0.000%
2	-0.1287	-78.8786	-44.3727	0.1287	78.8786	44.3727	0.000%
3	-0.1287	-59.1590	-44.3727	0.1287	59.1590	44.3727	0.000%
4	22.2788	-78.8786	-39.3278	-22.2788	78.8786	39.3278	0.000%
5	22.2788	-59.1590	-39.3278	-22.2788	59.1590	39.3278	0.000%
6	38.7470	-78.8786	-22.5157	-38.7470	78.8786	22.5157	0.000%
7	38.7470	-59.1590	-22.5157	-38.7470	59.1590	22.5157	0.000%
8	45.0642	-78.8786	0.3333	-45.0642	78.8786	-0.3333	0.000%
9	45.0642	-59.1590	0.3333	-45.0642	59.1590	-0.3333	0.000%
10	40.4867	-78.8786	23.9453	-40.4867	78.8786	-23.9453	0.000%
11	40.4867	-59.1590	23.9453	-40.4867	59.1590	-23.9453	0.000%
12	22.8185	-78.8786	39.8498	-22.8185	78.8786	-39.8498	0.000%
13	22.8185	-59.1590	39.8498	-22.8185	59.1590	-39.8498	0.000%
14	0.2491	-78.8786	45.2110	-0.2491	78.8786	-45.2110	0.000%
15	0.2491	-59.1590	45.2110	-0.2491	59.1590	-45.2110	0.000%
16	-21.9577	-78.8786	39.1019	21.9577	78.8786	-39.1019	0.000%
17	-21.9577	-59.1590	39.1019	21.9577	59.1590	-39.1019	0.000%
18	-38.3318	-78.8786	22.4550	38.3318	78.8786	-22.4550	0.000%
19	-38.3318	-59.1590	22.4550	38.3318	59.1590	-22.4550	0.000%
20	-45.1433	-78.8786	-0.2713	45.1433	78.8786	0.2713	0.000%
21	-45.1433	-59.1590	-0.2713	45.1433	59.1590	0.2713	0.000%
22	-40.5481	-78.8786	-23.7457	40.5481	78.8786	23.7457	0.000%
23	-40.5481	-59.1590	-23.7457	40.5481	59.1590	23.7457	0.000%
24	-22.4368	-78.8786	-39.1355	22.4368	78.8786	39.1355	0.000%
25	-22.4368	-59.1590	-39.1355	22.4368	59.1590	39.1355	0.000%
26	0.0000	-146.8651	0.0000	-0.0000	146.8651	0.0000	0.000%
27	-0.0264	-146.8651	-9.6713	0.0264	146.8651	9.6713	0.000%
28	4.8283	-146.8651	-8.5002	-4.8283	146.8651	8.5002	0.000%
29	8.3976	-146.8651	-4.8707	-8.3976	146.8651	4.8707	0.000%
30	9.7602	-146.8651	0.0696	-9.7602	146.8651	-0.0696	0.000%
31	8.7868	-146.8651	5.1822	-8.7869	146.8651	-5.1822	0.000%
32	4.9086	-146.8651	8.5554	-4.9086	146.8651	-8.5554	0.000%
33	0.0519	-146.8651	9.7910	-0.0519	146.8651	-9.7910	0.000%
34	-4.7740	-146.8651	8.4764	4.7740	146.8651	-8.4764	0.000%
35	-8.3240	-146.8651	4.8632	8.3240	146.8651	-4.8632	0.000%
36	-9.7729	-146.8651	-0.0547	9.7729	146.8651	0.0547	0.000%
37	-8.7993	-146.8651	-5.1412	8.7993	146.8651	5.1412	0.000%
38	-4.8410	-146.8651	-8.4279	4.8410	146.8651	8.4279	0.000%
39	-0.0279	-65.7322	-9.6287	0.0279	65.7322	9.6287	0.000%
40	4.8344	-65.7322	-8.5340	-4.8344	65.7322	8.5340	0.000%
41	8.4080	-65.7322	-4.8858	-8.4080	65.7322	4.8858	0.000%
42	9.7788	-65.7322	0.0723	-9.7788	65.7322	-0.0723	0.000%
43	8.7855	-65.7322	5.1961	-8.7855	65.7322	-5.1961	0.000%
44	4.9515	-65.7322	8.6473	-4.9515	65.7322	-8.6473	0.000%
45	0.0541	-65.7322	9.8107	-0.0541	65.7322	-9.8107	0.000%
46	-4.7648	-65.7322	8.4850	4.7648	65.7322	-8.4850	0.000%
47	-8.3179	-65.7322	4.8727	8.3179	65.7322	-4.8727	0.000%
48	-9.7960	-65.7322	-0.0589	9.7960	65.7322	0.0589	0.000%
49	-8.7988	-65.7322	-5.1527	8.7988	65.7322	5.1527	0.000%
50	-4.8687	-65.7322	-8.4923	4.8687	65.7322	8.4923	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00064103
3	Yes	5	0.00000001	0.00029582
4	Yes	6	0.00000001	0.00087462
5	Yes	6	0.00000001	0.00028366

6	Yes	6	0.00000001	0.00092989
7	Yes	6	0.00000001	0.00030463
8	Yes	5	0.00000001	0.00061312
9	Yes	5	0.00000001	0.00027644
10	Yes	6	0.00000001	0.00099577
11	Yes	6	0.00000001	0.00031562
12	Yes	6	0.00000001	0.00093867
13	Yes	6	0.00000001	0.00030326
14	Yes	5	0.00000001	0.00036024
15	Yes	5	0.00000001	0.00015395
16	Yes	6	0.00000001	0.00092712
17	Yes	6	0.00000001	0.00030362
18	Yes	6	0.00000001	0.00086352
19	Yes	6	0.00000001	0.00028128
20	Yes	6	0.00000001	0.00008463
21	Yes	5	0.00000001	0.00076953
22	Yes	7	0.00000001	0.00005094
23	Yes	6	0.00000001	0.00033306
24	Yes	6	0.00000001	0.00091846
25	Yes	6	0.00000001	0.00029785
26	Yes	4	0.00000001	0.00025383
27	Yes	6	0.00000001	0.00022780
28	Yes	6	0.00000001	0.00068943
29	Yes	6	0.00000001	0.00077702
30	Yes	6	0.00000001	0.00025342
31	Yes	6	0.00000001	0.00071104
32	Yes	6	0.00000001	0.00069610
33	Yes	6	0.00000001	0.00021883
34	Yes	6	0.00000001	0.00069643
35	Yes	6	0.00000001	0.00060942
36	Yes	6	0.00000001	0.00027343
37	Yes	6	0.00000001	0.00083569
38	Yes	6	0.00000001	0.00069502
39	Yes	5	0.00000001	0.00005479
40	Yes	5	0.00000001	0.00021757
41	Yes	5	0.00000001	0.00025895
42	Yes	5	0.00000001	0.00006462
43	Yes	5	0.00000001	0.00025870
44	Yes	5	0.00000001	0.00024348
45	Yes	5	0.00000001	0.00005507
46	Yes	5	0.00000001	0.00025173
47	Yes	5	0.00000001	0.00020897
48	Yes	5	0.00000001	0.00008146
49	Yes	5	0.00000001	0.00029821
50	Yes	5	0.00000001	0.00023540

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	23.1253	49	1.4298	0.0077
L2	155 - 150	21.6284	49	1.4285	0.0074
L3	150 - 146	20.1411	49	1.4089	0.0060
L4	146 - 141	18.9754	43	1.3761	0.0050
L5	141 - 136	17.5543	43	1.3400	0.0044
L6	136 - 131	16.1778	43	1.2899	0.0039
L7	131 - 126	14.8597	43	1.2278	0.0035
L8	126 - 121	13.6136	43	1.1510	0.0029
L9	121 - 120.1	12.4548	43	1.0607	0.0023
L10	120.1 - 119.85	12.2565	43	1.0434	0.0022
L11	119.85 - 117.5	12.2019	43	1.0408	0.0022
L12	117.5 - 117.25	11.6958	43	1.0159	0.0020
L13	117.25 - 115.5	11.6427	43	1.0132	0.0020
L14	115.5 - 115.25	11.2747	43	0.9946	0.0019
L15	115.25 - 110.25	11.2227	43	0.9925	0.0019
L16	110.25 - 103.75	10.2066	43	0.9478	0.0017
L17	107.5 - 102.5	9.6682	43	0.9215	0.0016

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L18	102.5 - 100.5	8.7169	43	0.8904	0.0015
L19	100.5 - 100.25	8.3483	43	0.8697	0.0014
L20	100.25 - 98.5	8.3029	43	0.8669	0.0014
L21	98.5 - 98.25	7.9887	43	0.8473	0.0014
L22	98.25 - 93.25	7.9444	43	0.8445	0.0013
L23	93.25 - 90.5	7.0898	43	0.7876	0.0012
L24	90.5 - 90.25	6.6453	43	0.7560	0.0011
L25	90.25 - 85.25	6.6058	43	0.7532	0.0011
L26	85.25 - 83.5	5.8463	43	0.6972	0.0009
L27	83.5 - 83.25	5.5944	43	0.6774	0.0009
L28	83.25 - 80.75	5.5590	43	0.6753	0.0009
L29	80.75 - 80.5	5.2110	43	0.6537	0.0008
L30	80.5 - 80.25	5.1769	43	0.6518	0.0008
L31	80.25 - 77.5	5.1428	43	0.6499	0.0008
L32	77.5 - 77.25	4.7750	43	0.6275	0.0008
L33	77.25 - 68.5	4.7422	43	0.6247	0.0008
L34	73 - 68	4.2072	43	0.5774	0.0007
L35	68 - 64.25	3.6169	43	0.5473	0.0006
L36	64.25 - 64	3.2033	43	0.5060	0.0006
L37	64 - 60.5	3.1769	43	0.5036	0.0006
L38	60.5 - 60.25	2.8199	43	0.4703	0.0005
L39	60.25 - 60.1	2.7954	43	0.4681	0.0005
L40	60.1 - 59.85	2.7807	43	0.4668	0.0005
L41	59.85 - 59.1	2.7563	43	0.4647	0.0005
L42	59.1 - 58.85	2.6838	43	0.4583	0.0005
L43	58.85 - 55.4	2.6599	43	0.4564	0.0005
L44	55.4 - 55.15	2.3402	43	0.4285	0.0005
L45	55.15 - 54.75	2.3178	43	0.4265	0.0005
L46	54.75 - 54.5	2.2822	43	0.4233	0.0004
L47	54.5 - 49.5	2.2601	43	0.4208	0.0004
L48	49.5 - 44.5	1.8456	43	0.3710	0.0004
L49	44.5 - 41.3	1.4834	43	0.3208	0.0003
L50	41.3 - 41.05	1.2793	43	0.2884	0.0003
L51	41.05 - 34	1.2642	43	0.2861	0.0003
L52	39 - 33	1.1454	43	0.2673	0.0002
L53	33 - 31.5	0.8250	43	0.2398	0.0002
L54	31.5 - 31.25	0.7513	43	0.2290	0.0002
L55	31.25 - 30.5	0.7394	43	0.2272	0.0002
L56	30.5 - 30.25	0.7041	43	0.2218	0.0002
L57	30.25 - 25.75	0.6926	43	0.2200	0.0002
L58	25.75 - 25.5	0.5015	43	0.1856	0.0002
L59	25.5 - 24.7	0.4918	43	0.1837	0.0002
L60	24.7 - 24.45	0.4615	43	0.1775	0.0002
L61	24.45 - 24	0.4523	43	0.1753	0.0002
L62	24 - 23.75	0.4360	43	0.1714	0.0001
L63	23.75 - 18.75	0.4270	43	0.1697	0.0001
L64	18.75 - 14.1	0.2679	43	0.1343	0.0001
L65	14.1 - 13.8	0.1532	43	0.1012	0.0001
L66	13.8 - 13.65	0.1469	43	0.0991	0.0001
L67	13.65 - 10.5	0.1438	43	0.0981	0.0001
L68	10.5 - 10.25	0.0863	43	0.0763	0.0001
L69	10.25 - 5.25	0.0824	43	0.0746	0.0001
L70	5.25 - 3	0.0226	43	0.0397	0.0000
L71	3 - 2.9	0.0076	43	0.0239	0.0000
L72	2.9 - 2.75	0.0071	43	0.0231	0.0000
L73	2.75 - 2.65	0.0064	43	0.0220	0.0000
L74	2.65 - 2.5	0.0059	43	0.0212	0.0000
L75	2.5 - 2.25	0.0053	43	0.0201	0.0000
L76	2.25 - 1.9	0.0043	43	0.0181	0.0000
L77	1.9 - 1.65	0.0031	43	0.0154	0.0000
L78	1.65 - 0	0.0023	43	0.0134	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
156.0000	Lightning Rod	49	21.9275	1.4297	0.0079	30602
148.0000	(2) PCS 1900MHz 4x45W-65MHz	43	19.5549	1.3930	0.0057	8069
146.0000	APXVTM14-C-120 w/ Mount Pipe	43	18.9754	1.3761	0.0052	7536
139.0000	APXV18-206517S-C	43	16.9977	1.3220	0.0043	6002
132.0000	(2) BXA-80080-6CF-EDIN-X w/ Mount Pipe	43	15.1180	1.2414	0.0036	4307
129.0000	HORIZON COMPACT	43	14.3518	1.1984	0.0033	3826
127.0000	VHLP800-11	43	13.8563	1.1670	0.0030	3548
101.0000	58532A	43	8.4397	0.8753	0.0014	5743

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	107.1039	10	6.6275	0.0347
L2	155 - 150	100.1970	10	6.6219	0.0334
L3	150 - 146	93.3303	10	6.5338	0.0277
L4	146 - 141	87.9360	10	6.3839	0.0236
L5	141 - 136	81.3560	10	6.2177	0.0210
L6	136 - 131	74.9825	10	5.9862	0.0186
L7	131 - 126	68.8780	10	5.6986	0.0164
L8	126 - 121	63.1064	10	5.3433	0.0135
L9	121 - 120.1	57.7377	10	4.9247	0.0105
L10	120.1 - 119.85	56.8190	10	4.8443	0.0101
L11	119.85 - 117.5	56.5662	10	4.8323	0.0100
L12	117.5 - 117.25	54.2209	10	4.7163	0.0093
L13	117.25 - 115.5	53.9748	10	4.7039	0.0093
L14	115.5 - 115.25	52.2697	10	4.6175	0.0088
L15	115.25 - 110.25	52.0287	10	4.6077	0.0088
L16	110.25 - 103.75	47.3196	10	4.3999	0.0078
L17	107.5 - 102.5	44.8246	10	4.2779	0.0073
L18	102.5 - 100.5	40.4153	10	4.1331	0.0068
L19	100.5 - 100.25	38.7067	10	4.0370	0.0065
L20	100.25 - 98.5	38.4959	10	4.0239	0.0065
L21	98.5 - 98.25	37.0398	10	3.9328	0.0062
L22	98.25 - 93.25	36.8345	10	3.9200	0.0062
L23	93.25 - 90.5	32.8725	10	3.6558	0.0054
L24	90.5 - 90.25	30.8115	10	3.5086	0.0050
L25	90.25 - 85.25	30.6284	10	3.4959	0.0050
L26	85.25 - 83.5	27.1072	10	3.2355	0.0043
L27	83.5 - 83.25	25.9391	10	3.1438	0.0041
L28	83.25 - 80.75	25.7749	10	3.1339	0.0041
L29	80.75 - 80.5	24.1617	10	3.0334	0.0039
L30	80.5 - 80.25	24.0032	10	3.0248	0.0038
L31	80.25 - 77.5	23.8452	10	3.0156	0.0038
L32	77.5 - 77.25	22.1396	10	2.9116	0.0036
L33	77.25 - 68.5	21.9876	10	2.8987	0.0036
L34	73 - 68	19.5069	10	2.6790	0.0032
L35	68 - 64.25	16.7698	10	2.5392	0.0029
L36	64.25 - 64	14.8518	10	2.3473	0.0026
L37	64 - 60.5	14.7293	10	2.3364	0.0026
L38	60.5 - 60.25	13.0740	10	2.1819	0.0023
L39	60.25 - 60.1	12.9601	10	2.1716	0.0023
L40	60.1 - 59.85	12.8920	10	2.1654	0.0023
L41	59.85 - 59.1	12.7789	10	2.1555	0.0023
L42	59.1 - 58.85	12.4428	10	2.1262	0.0023
L43	58.85 - 55.4	12.3317	10	2.1170	0.0022
L44	55.4 - 55.15	10.8494	10	1.9876	0.0021
L45	55.15 - 54.75	10.7456	10	1.9783	0.0021
L46	54.75 - 54.5	10.5805	10	1.9633	0.0020
L47	54.5 - 49.5	10.4781	10	1.9519	0.0020
L48	49.5 - 44.5	8.5557	10	1.7207	0.0017

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L49	44.5 - 41.3	6.8764	10	1.4876	0.0014
L50	41.3 - 41.05	5.9300	10	1.3371	0.0012
L51	41.05 - 34	5.8603	10	1.3265	0.0012
L52	39 - 33	5.3095	10	1.2396	0.0011
L53	33 - 31.5	3.8239	10	1.1119	0.0010
L54	31.5 - 31.25	3.4824	10	1.0619	0.0009
L55	31.25 - 30.5	3.4270	10	1.0535	0.0009
L56	30.5 - 30.25	3.2635	10	1.0285	0.0009
L57	30.25 - 25.75	3.2099	10	1.0198	0.0009
L58	25.75 - 25.5	2.3241	10	0.8604	0.0007
L59	25.5 - 24.7	2.2793	10	0.8514	0.0007
L60	24.7 - 24.45	2.1390	10	0.8228	0.0007
L61	24.45 - 24	2.0962	10	0.8128	0.0007
L62	24 - 23.75	2.0205	10	0.7947	0.0007
L63	23.75 - 18.75	1.9791	10	0.7866	0.0007
L64	18.75 - 14.1	1.2414	10	0.6226	0.0005
L65	14.1 - 13.8	0.7100	10	0.4689	0.0004
L66	13.8 - 13.65	0.6808	10	0.4593	0.0004
L67	13.65 - 10.5	0.6665	10	0.4544	0.0004
L68	10.5 - 10.25	0.4000	10	0.3535	0.0003
L69	10.25 - 5.25	0.3817	10	0.3455	0.0003
L70	5.25 - 3	0.1046	10	0.1840	0.0001
L71	3 - 2.9	0.0352	10	0.1106	0.0001
L72	2.9 - 2.75	0.0329	10	0.1072	0.0001
L73	2.75 - 2.65	0.0296	10	0.1019	0.0001
L74	2.65 - 2.5	0.0275	10	0.0983	0.0001
L75	2.5 - 2.25	0.0245	10	0.0930	0.0001
L76	2.25 - 1.9	0.0199	10	0.0840	0.0001
L77	1.9 - 1.65	0.0142	10	0.0713	0.0001
L78	1.65 - 0	0.0107	10	0.0619	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
156.0000	Lightning Rod	10	101.5774	6.6270	0.0362	7233
148.0000	(2) PCS 1900MHz 4x45W-65MHz	10	90.6195	6.4613	0.0263	1818
146.0000	APXVTM14-C-120 w/ Mount Pipe	10	87.9360	6.3839	0.0240	1690
139.0000	APXV18-206517S-C	10	78.7788	6.1343	0.0201	1331
132.0000	(2) BXA-80080-6CF-EDIN-X w/ Mount Pipe	10	70.0744	5.7617	0.0168	951
129.0000	HORIZON COMPACT	10	66.5256	5.5625	0.0153	843
127.0000	VHLP800-11	10	64.2307	5.4174	0.0141	781
101.0000	58532A	10	39.1301	4.0631	0.0066	1251

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160 - 155 (1)	TP16x16x0.375	5.0000	0.0000	0.0	18.4078	-4.1716	579.8450	0.007
L2	155 - 150 (2)	TP16x16x0.375	5.0000	0.0000	0.0	18.407	-4.5592	579.8450	0.008

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L3	150 - 146 (3)	TP16x16x0.375	4.0000	0.0000	0.0	18.4078	-5.8986	579.8450	0.010
L4	146 - 141 (4)	TP22.924x22x0.25	5.0000	0.0000	0.0	18.2526	-9.9039	985.6400	0.010
L5	141 - 136 (5)	TP23.848x22.924x0.25	5.0000	0.0000	0.0	18.9964	-10.6436	1025.8100	0.010
L6	136 - 131 (6)	TP24.7721x23.848x0.25	5.0000	0.0000	0.0	19.7403	-14.8787	1065.9700	0.014
L7	131 - 126 (7)	TP25.6961x24.7721x0.25	5.0000	0.0000	0.0	20.4841	-16.0843	1106.1400	0.015
L8	126 - 121 (8)	TP26.6201x25.6961x0.25	5.0000	0.0000	0.0	21.2279	-16.8551	1146.3100	0.015
L9	121 - 120.1 (9)	TP26.7864x26.6201x0.25	0.9000	0.0000	0.0	21.3618	-17.0006	1153.5400	0.015
L10	120.1 - 119.85 (10)	TP26.8326x26.7864x0.4875	0.2500	0.0000	0.0	41.3553	-17.0700	2233.1900	0.008
L11	119.85 - 117.5 (11)	TP27.2669x26.8326x0.4875	2.3500	0.0000	0.0	42.0370	-17.5656	2270.0000	0.008
L12	117.5 - 117.25 (12)	TP27.3131x27.2669x0.5	0.2500	0.0000	0.0	43.1691	-17.6352	2331.1300	0.008
L13	117.25 - 115.5 (13)	TP27.6365x27.3131x0.5	1.7500	0.0000	0.0	43.6898	-18.0242	2359.2500	0.008
L14	115.5 - 115.25 (14)	TP27.6827x27.6365x0.6625	0.2500	0.0000	0.0	57.6409	-18.1088	3112.6100	0.006
L15	115.25 - 110.25 (15)	TP28.6068x27.6827x0.65	5.0000	0.0000	0.0	58.5135	-19.4349	3159.7300	0.006
L16	110.25 - 103.75 (16)	TP29.808x28.6068x0.6375	6.5000	0.0000	0.0	58.4571	-20.1800	3156.6900	0.006
L17	103.75 - 102.5 (17)	TP29.0743x28.0824x0.7125	5.0000	0.0000	0.0	65.0691	-22.4591	3513.7300	0.006
L18	102.5 - 100.5 (18)	TP29.4711x29.0743x0.7	2.0000	0.0000	0.0	64.8500	-23.1403	3501.9000	0.007
L19	100.5 - 100.25 (19)	TP29.5206x29.4711x0.6375	0.2500	0.0000	0.0	59.2899	-23.2236	3201.6500	0.007
L20	100.25 - 98.5 (20)	TP29.8678x29.5206x0.6375	1.7500	0.0000	0.0	60.0025	-23.7219	3240.1300	0.007
L21	98.5 - 98.25 (21)	TP29.9174x29.8678x0.6625	0.2500	0.0000	0.0	62.4080	-23.8206	3370.0300	0.007
L22	98.25 - 93.25 (22)	TP30.9093x29.9174x0.65	5.0000	0.0000	0.0	63.3326	-25.3820	3419.9600	0.007
L23	93.25 - 90.5 (23)	TP31.4548x30.9093x0.65	2.7500	0.0000	0.0	64.4744	-26.2578	3481.6200	0.008
L24	90.5 - 90.25 (24)	TP31.5044x31.4548x0.6875	0.2500	0.0000	0.0	68.2209	-26.3647	3683.9300	0.007
L25	90.25 - 85.25 (25)	TP32.4962x31.5044x0.675	5.0000	0.0000	0.0	69.1635	-28.1553	3734.8300	0.008
L26	85.25 - 83.5 (26)	TP32.8434x32.4962x0.6625	1.7500	0.0000	0.0	68.6499	-28.7795	3707.0900	0.008
L27	83.5 - 83.25 (27)	TP32.893x32.8434x0.9125	0.2500	0.0000	0.0	93.9667	-28.9111	5074.2000	0.006
L28	83.25 - 80.75 (28)	TP33.3889x32.893x0.9	2.5000	0.0000	0.0	94.1529	-29.9780	5084.2600	0.006
L29	80.75 - 80.5 (29)	TP33.4385x33.3889x1.0625	0.2500	0.0000	0.0	110.7660	-30.1089	5981.3900	0.005
L30	80.5 - 80.25 (30)	TP33.4881x33.4385x0.9875	0.2500	0.0000	0.0	103.3440	-30.2257	5580.5700	0.005
L31	80.25 - 77.5 (31)	TP34.0336x33.4881x0.9625	2.7500	0.0000	0.0	102.4960	-31.4995	5534.7700	0.006
L32	77.5 - 77.25 (32)	TP34.0832x34.0336x0.6875	0.2500	0.0000	0.0	73.9298	-31.6135	3992.2100	0.008
L33	77.25 - 68.5 (33)	TP35.819x34.0832x0.6875	8.7500	0.0000	0.0	75.7962	-33.3391	4092.9900	0.008
L34	68.5 - 68 (34)	TP35.2329x34.3013x0.75	5.0000	0.0000	0.0	83.2763	-37.0463	4496.9200	0.008
L35	68 - 64.25 (35)	TP35.9317x35.2329x0.7375	3.7500	0.0000	0.0	83.5773	-38.7021	4513.1800	0.009
L36	64.25 - 64 (36)	TP35.9782x35.9317x0.875	0.2500	0.0000	0.0	98.9034	-38.8378	5340.7800	0.007

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
L37	64 - 60.5 (37)	TP36.6304x35.9782x0.8625	3.5000	0.0000	0.0	99.3364	-40.4868	5364.1600	0.008
L38	60.5 - 60.25 (38)	TP36.677x36.6304x0.925	0.2500	0.0000	0.0	106.4870	-40.6260	5750.3100	0.007
L39	60.25 - 60.1 (39)	TP36.7049x36.677x0.925	0.1500	0.0000	0.0	106.5700	-40.7029	5754.8100	0.007
L40	60.1 - 59.85 (40)	TP36.7515x36.7049x0.975	0.2500	0.0000	0.0	112.3200	-40.8314	6065.3000	0.007
L41	59.85 - 59.1 (41)	TP36.8912x36.7515x0.975	0.7500	0.0000	0.0	112.7590	-41.2143	6088.9900	0.007
L42	59.1 - 58.85 (42)	TP36.9378x36.8912x1.05	0.2500	0.0000	0.0	121.3370	-41.3590	6552.1800	0.006
L43	58.85 - 55.4 (43)	TP37.5806x36.9378x1.025	3.4500	0.0000	0.0	120.6520	-43.2532	6515.2000	0.007
L44	55.4 - 55.15 (44)	TP37.6272x37.5806x1.025	0.2500	0.0000	0.0	120.8060	-43.4038	6523.5000	0.007
L45	55.15 - 54.75 (45)	TP37.7018x37.6272x1.025	0.4000	0.0000	0.0	121.0520	-43.6248	6536.7900	0.007
L46	54.75 - 54.5 (46)	TP37.7483x37.7018x0.825	0.2500	0.0000	0.0	98.0868	-43.7485	5296.6900	0.008
L47	54.5 - 49.5 (47)	TP38.68x37.7483x0.8125	5.0000	0.0000	0.0	99.0707	-46.1906	5349.8200	0.009
L48	49.5 - 44.5 (48)	TP39.6116x38.68x0.8	5.0000	0.0000	0.0	99.9786	-48.6774	5398.8500	0.009
L49	44.5 - 41.3 (49)	TP40.2078x39.6116x0.7875	3.2000	0.0000	0.0	99.9601	-50.2882	5397.8500	0.009
L50	41.3 - 41.05 (50)	TP40.2544x40.2078x0.875	0.2500	0.0000	0.0	110.9510	-50.4392	5991.3800	0.008
L51	41.05 - 34 (51)	TP41.568x40.2544x0.875	7.0500	0.0000	0.0	112.0280	-51.5504	6049.4900	0.009
L52	34 - 33 (52)	TP40.9962x39.8864x1.175	6.0000	0.0000	0.0	150.6630	-57.7509	8813.8100	0.007
L53	33 - 31.5 (53)	TP41.2736x40.9962x1.175	1.5000	0.0000	0.0	151.7130	-58.7137	8875.2200	0.007
L54	31.5 - 31.25 (54)	TP41.3199x41.2736x1.175	0.2500	0.0000	0.0	151.8880	-58.8929	8885.4500	0.007
L55	31.25 - 30.5 (55)	TP41.4586x41.3199x1.175	0.7500	0.0000	0.0	152.4130	-59.3774	8916.1600	0.007
L56	30.5 - 30.25 (56)	TP41.5048x41.4586x1.125	0.2500	0.0000	0.0	146.2760	-59.5443	8557.1400	0.007
L57	30.25 - 25.75 (57)	TP42.3372x41.5048x1.1	4.5000	0.0000	0.0	146.0620	-62.4237	8544.6300	0.007
L58	25.75 - 25.5 (58)	TP42.3834x42.3372x1.075	0.2500	0.0000	0.0	142.9890	-62.5954	8364.8600	0.007
L59	25.5 - 24.7 (59)	TP42.5314x42.3834x1.075	0.8000	0.0000	0.0	143.5010	-63.0996	8394.8200	0.008
L60	24.7 - 24.45 (60)	TP42.5776x42.5314x0.95	0.2500	0.0000	0.0	127.3390	-63.2460	7449.3200	0.008
L61	24.45 - 24 (61)	TP42.6608x42.5776x0.95	0.4500	0.0000	0.0	127.5930	-63.4938	7464.2200	0.009
L62	24 - 23.75 (62)	TP42.7071x42.6608x1.2	0.2500	0.0000	0.0	160.3830	-63.6581	9382.4300	0.007
L63	23.75 - 18.75 (63)	TP43.6319x42.7071x1.175	5.0000	0.0000	0.0	160.6360	-66.8570	9397.1900	0.007
L64	18.75 - 14.1 (64)	TP44.492x43.6319x1.15	4.6500	0.0000	0.0	160.4950	-69.8661	9388.9800	0.007
L65	14.1 - 13.8 (65)	TP44.5475x44.492x1.175	0.3000	0.0000	0.0	164.1000	-70.0766	9599.8400	0.007
L66	13.8 - 13.65 (66)	TP44.5752x44.5475x1.175	0.1500	0.0000	0.0	164.2050	-70.1781	9605.9800	0.007
L67	13.65 - 10.5 (67)	TP45.1579x44.5752x1.175	3.1500	0.0000	0.0	166.4090	-72.2562	9734.9400	0.007
L68	10.5 - 10.25 (68)	TP45.2041x45.1579x1.175	0.2500	0.0000	0.0	166.5840	-72.4285	9745.1700	0.007
L69	10.25 - 5.25 (69)	TP46.1289x45.2041x1.15	5.0000	0.0000	0.0	166.5570	-75.6593	9743.5800	0.008
L70	5.25 - 3 (70)	TP46.5451x46.1289x1.125	2.2500	0.0000	0.0	164.5340	-77.1297	9625.2600	0.008
L71	3 - 2.9 (71)	TP46.5636x46.5451x1.08	0.1000	0.0000	0.0	159.24	-77.2067	9315.8900	0.008

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
		75				60			
L72	2.9 - 2.75 (72)	TP46.5913x46.5636x1.025	0.1500	0.0000	0.0	150.3920	-77.2942	8797.9200	0.009
L73	2.75 - 2.65 (73)	TP46.6098x46.5913x1.025	0.1000	0.0000	0.0	150.4530	-77.3538	8801.4900	0.009
L74	2.65 - 2.5 (74)	TP46.6376x46.6098x1.025	0.1500	0.0000	0.0	150.5440	-77.4415	8806.8400	0.009
L75	2.5 - 2.25 (75)	TP46.6838x46.6376x1	0.2500	0.0000	0.0	147.1020	-77.5895	8605.4600	0.009
L76	2.25 - 1.9 (76)	TP46.7486x46.6838x1	0.3500	0.0000	0.0	147.3100	-77.7974	8617.6600	0.009
L77	1.9 - 1.65 (77)	TP46.7948x46.7486x0.95	0.2500	0.0000	0.0	140.2390	-77.9403	8204.0000	0.010
L78	1.65 - 0 (78)	TP47.1x46.7948x0.95	1.6500	0.0000	0.0	141.1730	-78.8532	8258.6100	0.010

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160 - 155 (1)	TP16x16x0.375	14.5778	240.3717	0.061	0.0000	240.3717	0.000
L2	155 - 150 (2)	TP16x16x0.375	55.7754	240.3717	0.232	0.0000	240.3717	0.000
L3	150 - 146 (3)	TP16x16x0.375	94.2417	240.3717	0.392	0.0000	240.3717	0.000
L4	146 - 141 (4)	TP22.924x22x0.25	169.1233	561.2167	0.301	0.0000	561.2167	0.000
L5	141 - 136 (5)	TP23.848x22.924x0.25	247.5967	600.2958	0.412	0.0000	600.2958	0.000
L6	136 - 131 (6)	TP24.7721x23.848x0.25	341.9917	639.9983	0.534	0.0000	639.9983	0.000
L7	131 - 126 (7)	TP25.6961x24.7721x0.25	463.0708	680.2525	0.681	0.0000	680.2525	0.000
L8	126 - 121 (8)	TP26.6201x25.6961x0.25	591.5325	720.9833	0.820	0.0000	720.9833	0.000
L9	121 - 120.1 (9)	TP26.7864x26.6201x0.25	614.9858	728.3600	0.844	0.0000	728.3600	0.000
L10	120.1 - 119.85 (10)	TP26.8326x26.7864x0.4875	621.5200	1494.5417	0.416	0.0000	1494.5417	0.000
L11	119.85 - 117.5 (11)	TP27.2669x26.8326x0.4875	683.3967	1544.6750	0.442	0.0000	1544.6750	0.000
L12	117.5 - 117.25 (12)	TP27.3131x27.2669x0.5	690.0283	1587.5833	0.435	0.0000	1587.5833	0.000
L13	117.25 - 115.5 (13)	TP27.6365x27.3131x0.5	736.7833	1626.4667	0.453	0.0000	1626.4667	0.000
L14	115.5 - 115.25 (14)	TP27.6827x27.6365x0.6625	743.5117	2123.9250	0.350	0.0000	2123.9250	0.000
L15	115.25 - 110.25 (15)	TP28.6068x27.6827x0.65	880.7333	2233.5750	0.394	0.0000	2233.5750	0.000
L16	110.25 - 103.75 (16)	TP29.808x28.6068x0.6375	958.3667	2274.9083	0.421	0.0000	2274.9083	0.000
L17	103.75 - 102.5 (17)	TP29.0743x28.0824x0.7125	1103.8500	2515.2000	0.439	0.0000	2515.2000	0.000
L18	102.5 - 100.5 (18)	TP29.4711x29.0743x0.7	1163.5333	2544.8667	0.457	0.0000	2544.8667	0.000
L19	100.5 - 100.25 (19)	TP29.5206x29.4711x0.6375	1171.0583	2340.9000	0.500	0.0000	2340.9000	0.000
L20	100.25 - 98.5 (20)	TP29.8678x29.5206x0.6375	1224.1250	2398.1250	0.510	0.0000	2398.1250	0.000
L21	98.5 - 98.25 (21)	TP29.9174x29.8678x0.6625	1231.7583	2494.3250	0.494	0.0000	2494.3250	0.000
L22	98.25 - 93.25 (22)	TP30.9093x29.9174x0.65	1386.6583	2621.1667	0.529	0.0000	2621.1667	0.000
L23	93.25 - 90.5 (23)	TP31.4548x30.9093x0.65	1473.5667	2717.5417	0.542	0.0000	2717.5417	0.000
L24	90.5 - 90.25 (24)	TP31.5044x31.4548x0.6875	1481.5333	2873.1833	0.516	0.0000	2873.1833	0.000
L25	90.25 - 85.25 (25)	TP32.4962x31.5044x0.675	1642.9333	3011.0417	0.546	0.0000	3011.0417	0.000
L26	85.25 - 83.5 (26)	TP32.8434x32.4962x0.6625	1700.4833	3024.3167	0.562	0.0000	3024.3167	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L27	83.5 - 83.25 (27)	TP32.893x32.8434x0.9125	1708.7667	4082.0667	0.419	0.0000	4082.0667	0.000
L28	83.25 - 80.75 (28)	TP33.3889x32.893x0.9	1792.3083	4158.5417	0.431	0.0000	4158.5417	0.000
L29	80.75 - 80.5 (29)	TP33.4385x33.3889x1.0625	1800.7417	4851.1833	0.371	0.0000	4851.1833	0.000
L30	80.5 - 80.25 (30)	TP33.4881x33.4385x0.9875	1809.1833	4554.2417	0.397	0.0000	4554.2417	0.000
L31	80.25 - 77.5 (31)	TP34.0336x33.4881x0.9625	1903.0417	4601.8750	0.414	0.0000	4601.8750	0.000
L32	77.5 - 77.25 (32)	TP34.0832x34.0336x0.6875	1911.6583	3379.8667	0.566	0.0000	3379.8667	0.000
L33	77.25 - 68.5 (33)	TP35.819x34.0832x0.6875	2059.7667	3554.4417	0.579	0.0000	3554.4417	0.000
L34	68.5 - 68 (34)	TP35.2329x34.3013x0.75	2238.3750	3926.6333	0.570	0.0000	3926.6333	0.000
L35	68 - 64.25 (35)	TP35.9317x35.2329x0.7375	2375.3417	4025.2417	0.590	0.0000	4025.2417	0.000
L36	64.25 - 64 (36)	TP35.9782x35.9317x0.875	2384.5583	4732.6583	0.504	0.0000	4732.6583	0.000
L37	64 - 60.5 (37)	TP36.6304x35.9782x0.8625	2514.7333	4847.2167	0.519	0.0000	4847.2167	0.000
L38	60.5 - 60.25 (38)	TP36.677x36.6304x0.925	2524.1167	5184.9333	0.487	0.0000	5184.9333	0.000
L39	60.25 - 60.1 (39)	TP36.7049x36.677x0.925	2529.7500	5193.1500	0.487	0.0000	5193.1500	0.000
L40	60.1 - 59.85 (40)	TP36.7515x36.7049x0.975	2539.1500	5465.3500	0.465	0.0000	5465.3500	0.000
L41	59.85 - 59.1 (41)	TP36.8912x36.7515x0.975	2567.4167	5508.7000	0.466	0.0000	5508.7000	0.000
L42	59.1 - 58.85 (42)	TP36.9378x36.8912x1.05	2576.8667	5910.9080	0.436	0.0000	5910.9080	0.000
L43	58.85 - 55.4 (43)	TP37.5806x36.9378x1.025	2708.4750	5994.0167	0.452	0.0000	5994.0167	0.000
L44	55.4 - 55.15 (44)	TP37.6272x37.5806x1.025	2718.1083	6009.5080	0.452	0.0000	6009.5080	0.000
L45	55.15 - 54.75 (45)	TP37.7018x37.6272x1.025	2733.5333	6034.3413	0.453	0.0000	6034.3413	0.000
L46	54.75 - 54.5 (46)	TP37.7483x37.7018x0.825	2743.1833	4949.4167	0.554	0.0000	4949.4167	0.000
L47	54.5 - 49.5 (47)	TP38.68x37.7483x0.8125	2938.6333	5131.3417	0.573	0.0000	5131.3417	0.000
L48	49.5 - 44.5 (48)	TP39.6116x38.68x0.8	3138.3583	5311.8667	0.591	0.0000	5311.8667	0.000
L49	44.5 - 41.3 (49)	TP40.2078x39.6116x0.7875	3268.3583	5397.5417	0.606	0.0000	5397.5417	0.000
L50	41.3 - 41.05 (50)	TP40.2544x40.2078x0.875	3278.5833	5971.6913	0.549	0.0000	5971.6913	0.000
L51	41.05 - 34 (51)	TP41.568x40.2544x0.875	3362.8333	6089.3667	0.552	0.0000	6089.3667	0.000
L52	34 - 33 (52)	TP40.9962x39.8864x1.175	3614.0583	8820.5000	0.410	0.0000	8820.5000	0.000
L53	33 - 31.5 (53)	TP41.2736x40.9962x1.175	3677.9167	8945.5833	0.411	0.0000	8945.5833	0.000
L54	31.5 - 31.25 (54)	TP41.3199x41.2736x1.175	3688.6000	8966.5833	0.411	0.0000	8966.5833	0.000
L55	31.25 - 30.5 (55)	TP41.4586x41.3199x1.175	3720.7083	9029.5000	0.412	0.0000	9029.5000	0.000
L56	30.5 - 30.25 (56)	TP41.5048x41.4586x1.125	3731.4333	8697.6667	0.429	0.0000	8697.6667	0.000
L57	30.25 - 25.75 (57)	TP42.3372x41.5048x1.1	3926.2167	8879.5833	0.442	0.0000	8879.5833	0.000
L58	25.75 - 25.5 (58)	TP42.3834x42.3372x1.075	3937.1333	8713.3333	0.452	0.0000	8713.3333	0.000
L59	25.5 - 24.7 (59)	TP42.5314x42.3834x1.075	3972.1417	8776.6667	0.453	0.0000	8776.6667	0.000
L60	24.7 - 24.45 (60)	TP42.5776x42.5314x0.95	3983.1000	7844.1167	0.508	0.0000	7844.1167	0.000
L61	24.45 - 24 (61)	TP42.6608x42.5776x0.95	4002.8500	7875.8667	0.508	0.0000	7875.8667	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L62	24 - 23.75 (62)	TP42.7071x42.6608x1.2	4013.8417	9792.7500	0.410	0.0000	9792.7500	0.000
L63	23.75 - 18.75 (63)	TP43.6319x42.7071x1.175	4235.4833	10044.6667	0.422	0.0000	10044.6667	0.000
L64	18.75 - 14.1 (64)	TP44.492x43.6319x1.15	4444.7083	10256.5000	0.433	0.0000	10256.5000	0.000
L65	14.1 - 13.8 (65)	TP44.5475x44.492x1.175	4458.3000	10488.5000	0.425	0.0000	10488.5000	0.000
L66	13.8 - 13.65 (66)	TP44.5752x44.5475x1.175	4465.1000	10502.1667	0.425	0.0000	10502.1667	0.000
L67	13.65 - 10.5 (67)	TP45.1579x44.5752x1.175	4608.6083	10789.7500	0.427	0.0000	10789.7500	0.000
L68	10.5 - 10.25 (68)	TP45.2041x45.1579x1.175	4620.0583	10812.7500	0.427	0.0000	10812.7500	0.000
L69	10.25 - 5.25 (69)	TP46.1289x45.2041x1.15	4850.5833	11056.2500	0.439	0.0000	11056.2500	0.000
L70	5.25 - 3 (70)	TP46.5451x46.1289x1.125	4955.3333	11037.7500	0.449	0.0000	11037.7500	0.000
L71	3 - 2.9 (71)	TP46.5636x46.5451x1.0875	4960.0083	10705.0833	0.463	0.0000	10705.0833	0.000
L72	2.9 - 2.75 (72)	TP46.5913x46.5636x1.025	4967.0167	10144.0000	0.490	0.0000	10144.0000	0.000
L73	2.75 - 2.65 (73)	TP46.6098x46.5913x1.025	4971.6917	10152.3333	0.490	0.0000	10152.3333	0.000
L74	2.65 - 2.5 (74)	TP46.6376x46.6098x1.025	4978.7000	10164.8333	0.490	0.0000	10164.8333	0.000
L75	2.5 - 2.25 (75)	TP46.6838x46.6376x1	4990.3917	9953.5833	0.501	0.0000	9953.5833	0.000
L76	2.25 - 1.9 (76)	TP46.7486x46.6838x1	5006.7750	9982.0833	0.502	0.0000	9982.0833	0.000
L77	1.9 - 1.65 (77)	TP46.7948x46.7486x0.95	5018.4833	9533.5000	0.526	0.0000	9533.5000	0.000
L78	1.65 - 0 (78)	TP47.1x46.7948x0.95	5095.9583	9662.1667	0.527	0.0000	9662.1667	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	160 - 155 (1)	TP16x16x0.375	7.9913	173.9530	0.046	1.2683	238.9642	0.005
L2	155 - 150 (2)	TP16x16x0.375	8.5917	173.9530	0.049	0.8178	238.9642	0.003
L3	150 - 146 (3)	TP16x16x0.375	10.6564	173.9530	0.061	0.8947	238.9642	0.004
L4	146 - 141 (4)	TP22.924x22x0.25	15.0106	295.6920	0.051	0.8931	589.7500	0.002
L5	141 - 136 (5)	TP23.848x22.924x0.25	16.2879	307.7420	0.053	0.8925	638.7967	0.001
L6	136 - 131 (6)	TP24.7721x23.848x0.25	23.4304	319.7920	0.073	1.4726	689.8033	0.002
L7	131 - 126 (7)	TP25.6961x24.7721x0.25	25.3989	331.8430	0.077	1.9664	742.7675	0.003
L8	126 - 121 (8)	TP26.6201x25.6961x0.25	26.0214	343.8930	0.076	1.9645	797.6917	0.002
L9	121 - 120.1 (9)	TP26.7864x26.6201x0.25	26.1351	346.0620	0.076	1.9642	807.7858	0.002
L10	120.1 - 119.85 (10)	TP26.8326x26.7864x0.4875	26.1618	669.9560	0.039	1.9639	1552.5500	0.001
L11	119.85 - 117.5 (11)	TP27.2669x26.8326x0.4875	26.5222	681.0000	0.039	1.9636	1604.1583	0.001
L12	117.5 - 117.25 (12)	TP27.3131x27.2669x0.5	26.5542	699.3400	0.038	1.9634	1649.4417	0.001
L13	117.25 - 115.5 (13)	TP27.6365x27.3131x0.5	26.9085	707.7750	0.038	1.9885	1689.4667	0.001
L14	115.5 - 115.25 (14)	TP27.6827x27.6365x0.6625	26.9475	933.7830	0.029	1.9918	2219.4000	0.001
L15	115.25 - 110.25 (15)	TP28.6068x27.6827x0.65	27.9662	947.9190	0.030	2.0639	2331.0833	0.001
L16	110.25 - 103.75 (16)	TP29.808x28.6068x0.6375	28.5231	947.0060	0.030	2.1040	2372.2167	0.001
L17	103.75 - 102.5 (17)	TP29.0743x28.0824x0.7125	29.6469	1054.1200	0.028	1.4902	2629.8000	0.001
L18	102.5 - 100.5 (18)	TP29.4711x29.0743x0.7	30.1080	1050.5700	0.029	2.4083	2658.7667	0.001
L19	100.5 -	TP29.5206x29.4711x0.63	30.1527	960.4960	0.031	2.4122	2440.2833	0.001

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
	100.25 (19)	75						
L20	100.25 - 98.5 (20)	TP29.8678x29.5206x0.6375	30.5253	972.0400	0.031	2.4409	2499.2917	0.001
L21	98.5 - 98.25 (21)	TP29.9174x29.8678x0.6625	30.5593	1011.0100	0.030	2.4449	2601.6750	0.001
L22	98.25 - 93.25 (22)	TP30.9093x29.9174x0.65	31.3927	1025.9900	0.031	1.7565	2730.8667	0.001
L23	93.25 - 90.5 (23)	TP31.4548x30.9093x0.65	31.8353	1044.4900	0.030	1.7560	2830.2250	0.001
L24	90.5 - 90.25 (24)	TP31.5044x31.4548x0.6875	31.8703	1105.1800	0.029	1.7559	2995.8583	0.001
L25	90.25 - 85.25 (25)	TP32.4962x31.5044x0.675	32.7057	1120.4500	0.029	1.7551	3136.2333	0.001
L26	85.25 - 83.5 (26)	TP32.8434x32.4962x0.6625	33.0940	1112.1300	0.030	1.7722	3148.1333	0.001
L27	83.5 - 83.25 (27)	TP32.893x32.8434x0.9125	33.1380	1522.2600	0.022	1.7744	4282.2667	0.000
L28	83.25 - 80.75 (28)	TP33.3889x32.893x0.9	33.7074	1525.2800	0.022	1.7973	4358.9667	0.000
L29	80.75 - 80.5 (29)	TP33.4385x33.3889x1.0625	33.7626	1794.4200	0.019	1.7995	5110.3000	0.000
L30	80.5 - 80.25 (30)	TP33.4881x33.4385x0.9875	33.8196	1674.1700	0.020	1.8018	4786.2000	0.000
L31	80.25 - 77.5 (31)	TP34.0336x33.4881x0.9625	34.4529	1660.4300	0.021	1.8272	4830.2500	0.000
L32	77.5 - 77.25 (32)	TP34.0832x34.0336x0.6875	34.4914	1197.6600	0.029	1.8272	3518.2417	0.001
L33	77.25 - 68.5 (33)	TP35.819x34.0832x0.6875	35.2207	1227.9000	0.029	1.8266	3698.1167	0.000
L34	68.5 - 68 (34)	TP35.2329x34.3013x0.75	36.2144	1349.0800	0.027	1.8261	4092.0500	0.000
L35	68 - 64.25 (35)	TP35.9317x35.2329x0.7375	36.8556	1353.9500	0.027	1.8257	4191.5417	0.000
L36	64.25 - 64 (36)	TP35.9782x35.9317x0.875	36.8854	1602.2400	0.023	1.8256	4947.3583	0.000
L37	64 - 60.5 (37)	TP36.6304x35.9782x0.8625	37.5116	1609.2500	0.023	1.8252	5063.1000	0.000
L38	60.5 - 60.25 (38)	TP36.677x36.6304x0.925	37.5481	1725.0900	0.022	1.8252	5425.1583	0.000
L39	60.25 - 60.1 (39)	TP36.7049x36.677x0.925	37.5815	1726.4400	0.022	1.8251	5433.6417	0.000
L40	60.1 - 59.85 (40)	TP36.7515x36.7049x0.975	37.6245	1819.5900	0.021	1.8251	5726.2580	0.000
L41	59.85 - 59.1 (41)	TP36.8912x36.7515x0.975	37.7719	1826.7000	0.021	1.8251	5771.0833	0.000
L42	59.1 - 58.85 (42)	TP36.9378x36.8912x1.05	37.8167	1965.6500	0.019	1.8250	6205.1747	0.000
L43	58.85 - 55.4 (43)	TP37.5806x36.9378x1.025	38.4890	1954.5600	0.020	1.8248	6284.9747	0.000
L44	55.4 - 55.15 (44)	TP37.6272x37.5806x1.025	38.5272	1957.0500	0.020	1.8247	6301.0000	0.000
L45	55.15 - 54.75 (45)	TP37.7018x37.6272x1.025	38.6039	1961.0400	0.020	1.8247	6326.6833	0.000
L46	54.75 - 54.5 (46)	TP37.7483x37.7018x0.825	38.6496	1589.0100	0.024	1.8246	5160.9167	0.000
L47	54.5 - 49.5 (47)	TP38.68x37.7483x0.8125	39.5398	1604.9500	0.025	1.8242	5345.9667	0.000
L48	49.5 - 44.5 (48)	TP39.6116x38.68x0.8	40.3761	1619.6500	0.025	1.8237	5529.4667	0.000
L49	44.5 - 41.3 (49)	TP40.2078x39.6116x0.7875	40.9000	1619.3500	0.025	1.8235	5615.1580	0.000
L50	41.3 - 41.05 (50)	TP40.2544x40.2078x0.875	40.9252	1797.4100	0.023	1.8234	6226.1167	0.000
L51	41.05 - 34 (51)	TP41.568x40.2544x0.875	41.2811	1814.8500	0.023	1.8233	6347.4833	0.000
L52	34 - 33 (52)	TP40.9962x39.8864x1.175	42.4560	2644.1400	0.016	1.8231	9261.8333	0.000
L53	33 - 31.5 (53)	TP41.2736x40.9962x1.175	42.7209	2662.5600	0.016	1.8230	9391.4167	0.000
L54	31.5 - 31.25	TP41.3199x41.2736x1.17	42.7443	2665.6400	0.016	1.8230	9413.0833	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
	(54)	5						
L55	31.25 - 30.5 (55)	TP41.4586x41.3199x1.175	42.8811	2674.8500	0.016	1.8230	9478.2500	0.000
L56	30.5 - 30.25 (56)	TP41.5048x41.4586x1.125	42.9151	2567.1400	0.017	1.8230	9118.3333	0.000
L57	30.25 - 25.75 (57)	TP42.3372x41.5048x1.1	43.6669	2563.3900	0.017	1.8228	9298.2500	0.000
L58	25.75 - 25.5 (58)	TP42.3834x42.3372x1.075	43.6903	2509.4600	0.017	1.8227	9118.4167	0.000
L59	25.5 - 24.7 (59)	TP42.5314x42.3834x1.075	43.8274	2518.4500	0.017	1.8227	9183.8333	0.000
L60	24.7 - 24.45 (60)	TP42.5776x42.5314x0.95	43.8554	2234.8000	0.020	1.8227	8183.1333	0.000
L61	24.45 - 24 (61)	TP42.6608x42.5776x0.95	43.9275	2239.2700	0.020	1.8227	8215.8833	0.000
L62	24 - 23.75 (62)	TP42.7071x42.6608x1.2	43.9623	2814.7300	0.016	1.8227	10276.8333	0.000
L63	23.75 - 18.75 (63)	TP43.6319x42.7071x1.175	44.7032	2819.1600	0.016	1.8225	10528.5000	0.000
L64	18.75 - 14.1 (64)	TP44.492x43.6319x1.15	45.3108	2816.6900	0.016	1.8224	10738.5833	0.000
L65	14.1 - 13.8 (65)	TP44.5475x44.492x1.175	45.3328	2879.9500	0.016	1.8224	10987.5000	0.000
L66	13.8 - 13.65 (66)	TP44.5752x44.5475x1.175	45.3498	2881.7900	0.016	1.8224	11001.5833	0.000
L67	13.65 - 10.5 (67)	TP45.1579x44.5752x1.175	45.7753	2920.4800	0.016	1.8224	11298.9160	0.000
L68	10.5 - 10.25 (68)	TP45.2041x45.1579x1.175	45.7906	2923.5500	0.016	1.8223	11322.7493	0.000
L69	10.25 - 5.25 (69)	TP46.1289x45.2041x1.15	46.4301	2923.0800	0.016	1.8223	11565.0827	0.000
L70	5.25 - 3 (70)	TP46.5451x46.1289x1.125	46.7121	2887.5800	0.016	1.8223	11536.6667	0.000
L71	3 - 2.9 (71)	TP46.5636x46.5451x1.0875	46.7020	2794.7700	0.017	1.8223	11179.6667	0.000
L72	2.9 - 2.75 (72)	TP46.5913x46.5636x1.025	46.7213	2639.3700	0.018	1.8223	10579.0000	0.000
L73	2.75 - 2.65 (73)	TP46.6098x46.5913x1.025	46.7321	2640.4500	0.018	1.8223	10587.5833	0.000
L74	2.65 - 2.5 (74)	TP46.6376x46.6098x1.025	46.7512	2642.0500	0.018	1.8223	10600.5000	0.000
L75	2.5 - 2.25 (75)	TP46.6838x46.6376x1	46.7835	2581.6400	0.018	1.8223	10374.2500	0.000
L76	2.25 - 1.9 (76)	TP46.7486x46.6838x1	46.8275	2585.3000	0.018	1.8223	10403.6667	0.000
L77	1.9 - 1.65 (77)	TP46.7948x46.7486x0.95	46.8545	2461.2000	0.019	1.8223	9925.1667	0.000
L78	1.65 - 0 (78)	TP47.1x46.7948x0.95	47.0805	2477.5800	0.019	1.8223	10057.7500	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160 - 155 (1)	0.007	0.061	0.000	0.046	0.005	0.070	1.050	4.8.2
L2	155 - 150 (2)	0.008	0.232	0.000	0.049	0.003	0.243	1.050	4.8.2
L3	150 - 146 (3)	0.010	0.392	0.000	0.061	0.004	0.406	1.050	4.8.2
L4	146 - 141 (4)	0.010	0.301	0.000	0.051	0.002	0.314	1.050	4.8.2
L5	141 - 136 (5)	0.010	0.412	0.000	0.053	0.001	0.426	1.050	4.8.2
L6	136 - 131 (6)	0.014	0.534	0.000	0.073	0.002	0.554	1.050	4.8.2
L7	131 - 126 (7)	0.015	0.681	0.000	0.077	0.003	0.702	1.050	4.8.2
L8	126 - 121 (8)	0.015	0.820	0.000	0.076	0.002	0.841	1.050	4.8.2
L9	121 - 120.1 (9)	0.015	0.844	0.000	0.076	0.002	0.865	1.050	4.8.2
L10	120.1 - 119.85 (10)	0.008	0.416	0.000	0.039	0.001	0.425	1.050	4.8.2

Section No.	Elevation ft	Ratio P_u / ϕP_n	Ratio M_{ux} / ϕM_{nx}	Ratio M_{uy} / ϕM_{ny}	Ratio V_u / ϕV_n	Ratio T_u / ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L11	119.85 - 117.5 (11)	0.008	0.442	0.000	0.039	0.001	0.452	1.050	4.8.2
L12	117.5 - 117.25 (12)	0.008	0.435	0.000	0.038	0.001	0.444	1.050	4.8.2
L13	117.25 - 115.5 (13)	0.008	0.453	0.000	0.038	0.001	0.462	1.050	4.8.2
L14	115.5 - 115.25 (14)	0.006	0.350	0.000	0.029	0.001	0.357	1.050	4.8.2
L15	115.25 - 110.25 (15)	0.006	0.394	0.000	0.030	0.001	0.401	1.050	4.8.2
L16	110.25 - 103.75 (16)	0.006	0.421	0.000	0.030	0.001	0.429	1.050	4.8.2
L17	103.75 - 102.5 (17)	0.006	0.439	0.000	0.028	0.001	0.446	1.050	4.8.2
L18	102.5 - 100.5 (18)	0.007	0.457	0.000	0.029	0.001	0.465	1.050	4.8.2
L19	100.5 - 100.25 (19)	0.007	0.500	0.000	0.031	0.001	0.509	1.050	4.8.2
L20	100.25 - 98.5 (20)	0.007	0.510	0.000	0.031	0.001	0.519	1.050	4.8.2
L21	98.5 - 98.25 (21)	0.007	0.494	0.000	0.030	0.001	0.502	1.050	4.8.2
L22	98.25 - 93.25 (22)	0.007	0.529	0.000	0.031	0.001	0.537	1.050	4.8.2
L23	93.25 - 90.5 (23)	0.008	0.542	0.000	0.030	0.001	0.551	1.050	4.8.2
L24	90.5 - 90.25 (24)	0.007	0.516	0.000	0.029	0.001	0.524	1.050	4.8.2
L25	90.25 - 85.25 (25)	0.008	0.546	0.000	0.029	0.001	0.554	1.050	4.8.2
L26	85.25 - 83.5 (26)	0.008	0.562	0.000	0.030	0.001	0.571	1.050	4.8.2
L27	83.5 - 83.25 (27)	0.006	0.419	0.000	0.022	0.000	0.425	1.050	4.8.2
L28	83.25 - 80.75 (28)	0.006	0.431	0.000	0.022	0.000	0.437	1.050	4.8.2
L29	80.75 - 80.5 (29)	0.005	0.371	0.000	0.019	0.000	0.377	1.050	4.8.2
L30	80.5 - 80.25 (30)	0.005	0.397	0.000	0.020	0.000	0.403	1.050	4.8.2
L31	80.25 - 77.5 (31)	0.006	0.414	0.000	0.021	0.000	0.420	1.050	4.8.2
L32	77.5 - 77.25 (32)	0.008	0.566	0.000	0.029	0.001	0.574	1.050	4.8.2
L33	77.25 - 68.5 (33)	0.008	0.579	0.000	0.029	0.000	0.588	1.050	4.8.2
L34	68.5 - 68 (34)	0.008	0.570	0.000	0.027	0.000	0.579	1.050	4.8.2
L35	68 - 64.25 (35)	0.009	0.590	0.000	0.027	0.000	0.599	1.050	4.8.2
L36	64.25 - 64 (36)	0.007	0.504	0.000	0.023	0.000	0.512	1.050	4.8.2
L37	64 - 60.5 (37)	0.008	0.519	0.000	0.023	0.000	0.527	1.050	4.8.2
L38	60.5 - 60.25 (38)	0.007	0.487	0.000	0.022	0.000	0.494	1.050	4.8.2
L39	60.25 - 60.1 (39)	0.007	0.487	0.000	0.022	0.000	0.495	1.050	4.8.2
L40	60.1 - 59.85 (40)	0.007	0.465	0.000	0.021	0.000	0.472	1.050	4.8.2
L41	59.85 - 59.1 (41)	0.007	0.466	0.000	0.021	0.000	0.473	1.050	4.8.2
L42	59.1 - 58.85 (42)	0.006	0.436	0.000	0.019	0.000	0.443	1.050	4.8.2
L43	58.85 - 55.4 (43)	0.007	0.452	0.000	0.020	0.000	0.459	1.050	4.8.2
L44	55.4 - 55.15 (44)	0.007	0.452	0.000	0.020	0.000	0.459	1.050	4.8.2
L45	55.15 - 54.75 (45)	0.007	0.453	0.000	0.020	0.000	0.460	1.050	4.8.2
L46	54.75 - 54.5	0.008	0.554	0.000	0.024	0.000	0.563	1.050	4.8.2

Section No.	Elevation ft	Ratio P_u / ϕP_n	Ratio M_{ux} / ϕM_{nx}	Ratio M_{uy} / ϕM_{ny}	Ratio V_u / ϕV_n	Ratio T_u / ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
	(46)								
L47	54.5 - 49.5	0.009	0.573	0.000	0.025	0.000	0.582	1.050	4.8.2
	(47)								
L48	49.5 - 44.5	0.009	0.591	0.000	0.025	0.000	0.600	1.050	4.8.2
	(48)								
L49	44.5 - 41.3	0.009	0.606	0.000	0.025	0.000	0.615	1.050	4.8.2
	(49)								
L50	41.3 - 41.05	0.008	0.549	0.000	0.023	0.000	0.558	1.050	4.8.2
	(50)								
L51	41.05 - 34	0.009	0.552	0.000	0.023	0.000	0.561	1.050	4.8.2
	(51)								
L52	34 - 33 (52)	0.007	0.410	0.000	0.016	0.000	0.417	1.050	4.8.2
L53	33 - 31.5 (53)	0.007	0.411	0.000	0.016	0.000	0.418	1.050	4.8.2
L54	31.5 - 31.25	0.007	0.411	0.000	0.016	0.000	0.418	1.050	4.8.2
	(54)								
L55	31.25 - 30.5	0.007	0.412	0.000	0.016	0.000	0.419	1.050	4.8.2
	(55)								
L56	30.5 - 30.25	0.007	0.429	0.000	0.017	0.000	0.436	1.050	4.8.2
	(56)								
L57	30.25 - 25.75	0.007	0.442	0.000	0.017	0.000	0.450	1.050	4.8.2
	(57)								
L58	25.75 - 25.5	0.007	0.452	0.000	0.017	0.000	0.460	1.050	4.8.2
	(58)								
L59	25.5 - 24.7	0.008	0.453	0.000	0.017	0.000	0.460	1.050	4.8.2
	(59)								
L60	24.7 - 24.45	0.008	0.508	0.000	0.020	0.000	0.517	1.050	4.8.2
	(60)								
L61	24.45 - 24	0.009	0.508	0.000	0.020	0.000	0.517	1.050	4.8.2
	(61)								
L62	24 - 23.75	0.007	0.410	0.000	0.016	0.000	0.417	1.050	4.8.2
	(62)								
L63	23.75 - 18.75	0.007	0.422	0.000	0.016	0.000	0.429	1.050	4.8.2
	(63)								
L64	18.75 - 14.1	0.007	0.433	0.000	0.016	0.000	0.441	1.050	4.8.2
	(64)								
L65	14.1 - 13.8	0.007	0.425	0.000	0.016	0.000	0.433	1.050	4.8.2
	(65)								
L66	13.8 - 13.65	0.007	0.425	0.000	0.016	0.000	0.433	1.050	4.8.2
	(66)								
L67	13.65 - 10.5	0.007	0.427	0.000	0.016	0.000	0.435	1.050	4.8.2
	(67)								
L68	10.5 - 10.25	0.007	0.427	0.000	0.016	0.000	0.435	1.050	4.8.2
	(68)								
L69	10.25 - 5.25	0.008	0.439	0.000	0.016	0.000	0.447	1.050	4.8.2
	(69)								
L70	5.25 - 3 (70)	0.008	0.449	0.000	0.016	0.000	0.457	1.050	4.8.2
L71	3 - 2.9 (71)	0.008	0.463	0.000	0.017	0.000	0.472	1.050	4.8.2
L72	2.9 - 2.75 (72)	0.009	0.490	0.000	0.018	0.000	0.499	1.050	4.8.2
L73	2.75 - 2.65	0.009	0.490	0.000	0.018	0.000	0.499	1.050	4.8.2
	(73)								
L74	2.65 - 2.5 (74)	0.009	0.490	0.000	0.018	0.000	0.499	1.050	4.8.2
L75	2.5 - 2.25 (75)	0.009	0.501	0.000	0.018	0.000	0.511	1.050	4.8.2
L76	2.25 - 1.9 (76)	0.009	0.502	0.000	0.018	0.000	0.511	1.050	4.8.2
L77	1.9 - 1.65 (77)	0.010	0.526	0.000	0.019	0.000	0.536	1.050	4.8.2
L78	1.65 - 0 (78)	0.010	0.527	0.000	0.019	0.000	0.537	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 155	Pole	TP16x16x0.375	1	-4.1716	608.8372	6.7	Pass
L2	155 - 150	Pole	TP16x16x0.375	2	-4.5592	608.8372	23.1	Pass

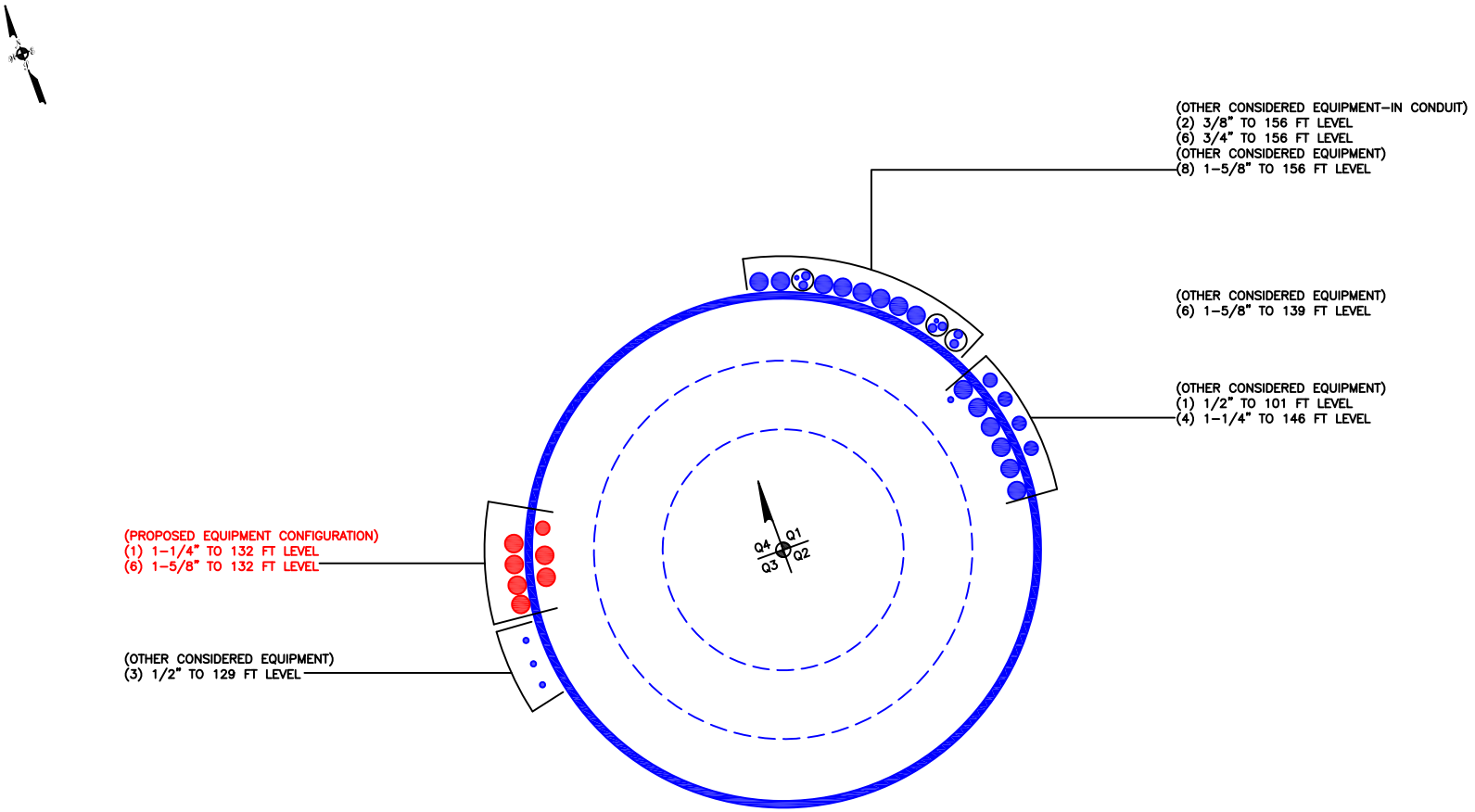
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L3	150 - 146	Pole	TP16x16x0.375	3	-5.8986	608.8372	38.7	Pass
L4	146 - 141	Pole	TP22.924x22x0.25	4	-9.9039	1034.9220	29.9	Pass
L5	141 - 136	Pole	TP23.848x22.924x0.25	5	-10.6436	1077.1005	40.6	Pass
L6	136 - 131	Pole	TP24.7721x23.848x0.25	6	-14.8787	1119.2684	52.8	Pass
L7	131 - 126	Pole	TP25.6961x24.7721x0.25	7	-16.0843	1161.4469	66.8	Pass
L8	126 - 121	Pole	TP26.6201x25.6961x0.25	8	-16.8551	1203.6254	80.1	Pass
L9	121 - 120.1	Pole	TP26.7864x26.6201x0.25	9	-17.0006	1211.2169	82.4	Pass
L10	120.1 - 119.85	Pole	TP26.8326x26.7864x0.4875	10	-17.0700	2344.8494	40.5	Pass
L11	119.85 - 117.5	Pole	TP27.2669x26.8326x0.4875	11	-17.5656	2383.4999	43.0	Pass
L12	117.5 - 117.25	Pole	TP27.3131x27.2669x0.5	12	-17.6352	2447.6864	42.3	Pass
L13	117.25 - 115.5	Pole	TP27.6365x27.3131x0.5	13	-18.0242	2477.2124	44.0	Pass
L14	115.5 - 115.25	Pole	TP27.6827x27.6365x0.6625	14	-18.1088	3268.2404	34.0	Pass
L15	115.25 - 110.25	Pole	TP28.6068x27.6827x0.65	15	-19.4349	3317.7163	38.2	Pass
L16	110.25 - 103.75	Pole	TP29.808x28.6068x0.6375	16	-20.1800	3314.5243	40.8	Pass
L17	103.75 - 102.5	Pole	TP29.0743x28.0824x0.7125	17	-22.4591	3689.4163	42.5	Pass
L18	102.5 - 100.5	Pole	TP29.4711x29.0743x0.7	18	-23.1403	3676.9948	44.3	Pass
L19	100.5 - 100.25	Pole	TP29.5206x29.4711x0.6375	19	-23.2236	3361.7323	48.4	Pass
L20	100.25 - 98.5	Pole	TP29.8678x29.5206x0.6375	20	-23.7219	3402.1363	49.4	Pass
L21	98.5 - 98.25	Pole	TP29.9174x29.8678x0.6625	21	-23.8206	3538.5313	47.8	Pass
L22	98.25 - 93.25	Pole	TP30.9093x29.9174x0.65	22	-25.3820	3590.9578	51.2	Pass
L23	93.25 - 90.5	Pole	TP31.4548x30.9093x0.65	23	-26.2578	3655.7008	52.5	Pass
L24	90.5 - 90.25	Pole	TP31.5044x31.4548x0.6875	24	-26.3647	3868.1263	49.9	Pass
L25	90.25 - 85.25	Pole	TP32.4962x31.5044x0.675	25	-28.1553	3921.5713	52.8	Pass
L26	85.25 - 83.5	Pole	TP32.8434x32.4962x0.6625	26	-28.7795	3892.4443	54.4	Pass
L27	83.5 - 83.25	Pole	TP32.893x32.8434x0.9125	27	-28.9111	5327.9098	40.5	Pass
L28	83.25 - 80.75	Pole	TP33.3889x32.893x0.9	28	-29.9780	5338.4728	41.7	Pass
L29	80.75 - 80.5	Pole	TP33.4385x33.3889x1.0625	29	-30.1089	6280.4592	35.9	Pass
L30	80.5 - 80.25	Pole	TP33.4881x33.4385x0.9875	30	-30.2257	5859.5982	38.4	Pass
L31	80.25 - 77.5	Pole	TP34.0336x33.4881x0.9625	31	-31.4995	5811.5082	40.0	Pass
L32	77.5 - 77.25	Pole	TP34.0832x34.0336x0.6875	32	-31.6135	4191.8203	54.7	Pass
L33	77.25 - 68.5	Pole	TP35.819x34.0832x0.6875	33	-33.3391	4297.6393	56.0	Pass
L34	68.5 - 68	Pole	TP35.2329x34.3013x0.75	34	-37.0463	4721.7658	55.1	Pass
L35	68 - 64.25	Pole	TP35.9317x35.2329x0.7375	35	-38.7021	4738.8388	57.1	Pass
L36	64.25 - 64	Pole	TP35.9782x35.9317x0.875	36	-38.8378	5607.8187	48.7	Pass
L37	64 - 60.5	Pole	TP36.6304x35.9782x0.8625	37	-40.4868	5632.3677	50.2	Pass
L38	60.5 - 60.25	Pole	TP36.677x36.6304x0.925	38	-40.6260	6037.8252	47.1	Pass
L39	60.25 - 60.1	Pole	TP36.7049x36.677x0.925	39	-40.7029	6042.5502	47.1	Pass
L40	60.1 - 59.85	Pole	TP36.7515x36.7049x0.975	40	-40.8314	6368.5647	44.9	Pass
L41	59.85 - 59.1	Pole	TP36.8912x36.7515x0.975	41	-41.2143	6393.4392	45.1	Pass
L42	59.1 - 58.85	Pole	TP36.9378x36.8912x1.05	42	-41.3590	6879.7887	42.2	Pass
L43	58.85 - 55.4	Pole	TP37.5806x36.9378x1.025	43	-43.2532	6840.9597	43.7	Pass
L44	55.4 - 55.15	Pole	TP37.6272x37.5806x1.025	44	-43.4038	6849.6747	43.7	Pass
L45	55.15 - 54.75	Pole	TP37.7018x37.6272x1.025	45	-43.6248	6863.6292	43.8	Pass
L46	54.75 - 54.5	Pole	TP37.7483x37.7018x0.825	46	-43.7485	5561.5242	53.6	Pass
L47	54.5 - 49.5	Pole	TP38.68x37.7483x0.8125	47	-46.1906	5617.3107	55.4	Pass
L48	49.5 - 44.5	Pole	TP39.6116x38.68x0.8	48	-48.6774	5668.7922	57.2	Pass
L49	44.5 - 41.3	Pole	TP40.2078x39.6116x0.7875	49	-50.2882	5667.7422	58.6	Pass
L50	41.3 - 41.05	Pole	TP40.2544x40.2078x0.875	50	-50.4392	6290.9487	53.1	Pass
L51	41.05 - 34	Pole	TP41.568x40.2544x0.875	51	-51.5504	6351.9642	53.5	Pass
L52	34 - 33	Pole	TP40.9962x39.8864x1.175	52	-57.7509	9254.5001	39.7	Pass
L53	33 - 31.5	Pole	TP41.2736x40.9962x1.175	53	-58.7137	9318.9806	39.8	Pass
L54	31.5 - 31.25	Pole	TP41.3199x41.2736x1.175	54	-58.8929	9329.7221	39.8	Pass
L55	31.25 - 30.5	Pole	TP41.4586x41.3199x1.175	55	-59.3774	9361.9676	39.9	Pass
L56	30.5 - 30.25	Pole	TP41.5048x41.4586x1.125	56	-59.5443	8984.9966	41.5	Pass
L57	30.25 - 25.75	Pole	TP42.3372x41.5048x1.1	57	-62.4237	8971.8611	42.8	Pass
L58	25.75 - 25.5	Pole	TP42.3834x42.3372x1.075	58	-62.5954	8783.1026	43.8	Pass
L59	25.5 - 24.7	Pole	TP42.5314x42.3834x1.075	59	-63.0996	8814.5606	43.8	Pass
L60	24.7 - 24.45	Pole	TP42.5776x42.5314x0.95	60	-63.2460	7821.7856	49.2	Pass
L61	24.45 - 24	Pole	TP42.6608x42.5776x0.95	61	-63.4938	7837.4306	49.3	Pass
L62	24 - 23.75	Pole	TP42.7071x42.6608x1.2	62	-63.6581	9851.5511	39.7	Pass
L63	23.75 - 18.75	Pole	TP43.6319x42.7071x1.175	63	-66.8570	9867.0491	40.9	Pass
L64	18.75 - 14.1	Pole	TP44.492x43.6319x1.15	64	-69.8661	9858.4286	42.0	Pass
L65	14.1 - 13.8	Pole	TP44.5475x44.492x1.175	65	-70.0766	10079.8315	41.2	Pass
L66	13.8 - 13.65	Pole	TP44.5752x44.5475x1.175	66	-70.1781	10086.2785	41.2	Pass
L67	13.65 - 10.5	Pole	TP45.1579x44.5752x1.175	67	-72.2562	10221.6865	41.4	Pass
L68	10.5 - 10.25	Pole	TP45.2041x45.1579x1.175	68	-72.4285	10232.4280	41.4	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L69	10.25 - 5.25	Pole	TP46.1289x45.2041x1.15	69	-75.6593	10230.7585	42.5	Pass
L70	5.25 - 3	Pole	TP46.5451x46.1289x1.125	70	-77.1297	10106.5225	43.5	Pass
L71	3 - 2.9	Pole	TP46.5636x46.5451x1.0875	71	-77.2067	9781.6841	44.9	Pass
L72	2.9 - 2.75	Pole	TP46.5913x46.5636x1.025	72	-77.2942	9237.8156	47.5	Pass
L73	2.75 - 2.65	Pole	TP46.6098x46.5913x1.025	73	-77.3538	9241.5641	47.5	Pass
L74	2.65 - 2.5	Pole	TP46.6376x46.6098x1.025	74	-77.4415	9247.1816	47.5	Pass
L75	2.5 - 2.25	Pole	TP46.6838x46.6376x1	75	-77.5895	9035.7326	48.6	Pass
L76	2.25 - 1.9	Pole	TP46.7486x46.6838x1	76	-77.7974	9048.5426	48.7	Pass
L77	1.9 - 1.65	Pole	TP46.7948x46.7486x0.95	77	-77.9403	8614.1996	51.1	Pass
L78	1.65 - 0	Pole	TP47.1x46.7948x0.95	78	-78.8532	8671.5401	51.2	Pass
							Summary	
						Pole (L9)	82.4	Pass
						RATING =	**82.4**	**Pass**

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

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(2) 3/8" TO 156 FT LEVEL
(6) 3/4" TO 156 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(8) 1-5/8" TO 156 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 1-5/8" TO 139 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 101 FT LEVEL
(4) 1-1/4" TO 146 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(1) 1-1/4" TO 132 FT LEVEL
(6) 1-5/8" TO 132 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(3) 1/2" TO 129 FT LEVEL
Q4
Q1
Q3
Q2

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 876334

Work Order: 1803023

CROWN CASTLE

Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	160	14	0	0	16	16	0.375		A53-B-35
2	146	42.25	3.75	12	22.00	29.808	0.25	Auto	A607-60
3	107.5	39	4.5	12	28.08	35.819	0.3125	Auto	A607-60
4	73	39	5	12	34.30	41.568	0.375	Auto	A607-60
5	39	39	0	12	39.89	47.1	0.375	Auto	A607-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12
1	100.5	117.5	plate	CCI-SFP-045100	1				*								
2	98.5	115.5	plate	CCI-SFP-045100	2								*				*
3	64.25	80.75	plate	CCI-AFP-085125	1												*
4	10.5	41.3	plate	CCI-AFP-085125	1												*
5	3	10.5	plate	CCI-AFP-060100	1												*
6	77.5	83.5	plate	MS-600 (1.1875")	3	*			*				*				
7	54.75	64.25	plate	MS-600 (1.1875")	3	*			*				*				
8	25.75	35.25	plate	MS-650 (1.1875")	3	*			*				*				
9	2.5	30.5	plate	MS-600 (1.1875")	3		*			*				*			
10	30.5	60.5	plate	MS-650 (1.1875")	3		*			*				*			
11	60.5	80.5	plate	MS-600 (1.1875")	3		*			*				*			
12	80.5	98.5	plate	MS-600 (1.1875")	2					*				*			
13	1.9	14.1	channel	MP3-04 (1.1875in)	2						*		*				
14	2.9	30.5	channel	MP3-05 (1.1875in)	2			*								*	
15	30.5	59.1	channel	MP3-04 (1.1875in)	2			*								*	
16	13.9	31.5	channel	MP3-05 (1.1875in)	1							*					
17	31.5	60.1	channel	MP3-04 (1.1875in)	1							*					
18	0	24	plate	TS-5.875"x1.25"	6		-5.5	-5.5			-5.5	-5.5			-5.5	-5.5	
19	24.7	55.4	plate	CCI-AFP-085125	2						*				*		
20	55.4	90.5	plate	CCI-AFP-085125	2						*				*		
21	90.5	120.1	plate	CCI-AFP-060100	2						*				*		
22	100.5	120.1	plate	CCI-AFP-060100	1		*										
23	80.5	100.5	plate	MS-650 (1.1875")	1		*										
24	0	2.5	plate	1.25" x 4"	4	*			*			*			*		
25	24	25.75	plate	TS-5.875"x1.25"	3		-6				-6				-6		
26																	

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Length (in)	Top Termination Length (in)	L_a (in)	Net Area (in^2)	Bolt Hole Size (in)	Reinforcement Material
1	4.5	1	4.5	0.5	18.000	18.000	20.000	3.250	1.1875	A572-65
2	4.5	1	4.5	0.5	18.000	18.000	20.000	3.250	1.1875	A572-65
3	8.5	1.25	10.625	0.625	51.000	51.000	17.000	9.063	1.1875	A572-65
4	8.5	1.25	10.625	0.625	51.000	51.000	17.000	9.063	1.1875	A572-65
5	6	1	6	0.5	30.000	30.000	16.000	4.750	1.1875	A572-65
6	6	1	6	0.5	24.000	24.000	16.375	4.750	1.1875	A572-65
7	6	1	6	0.5	24.000	24.000	16.375	4.750	1.1875	A572-65
8	6.5	1.25	8.125	0.625	33.000	33.000	19.250	6.563	1.1875	A572-65
9	6	1	6	0.5	24.000	24.000	16.375	4.750	1.1875	A572-65
10	6.5	1.25	8.125	0.625	33.000	33.000	19.250	6.563	1.1875	A572-65
11	6	1	6	0.5	24.000	24.000	16.375	4.750	1.1875	A572-65
12	6	1	6	0.5	24.000	24.000	16.375	4.750	1.1875	A572-65
13	4.78	1.61	4.13	0.61	17.000	17.000	18.000	3.593	1.1875	A572-65
14	5.33	2.09	5.65	0.79	29.000	29.000	18.000	5.025	1.1875	A572-65
15	4.78	1.61	4.13	0.61	17.000	17.000	18.000	3.593	1.1875	A572-65
16	5.33	2.09	5.65	0.79	29.000	29.000	18.000	5.025	1.1875	A572-65
17	4.78	1.61	4.13	0.61	17.000	17.000	18.000	3.593	1.1875	A572-65
18	1.25	5.875	7.34375	2.9375	n/a	n/a	0.000	7.344	0.0000	A572-65
19	8.5	1.25	10.625	0.625	51.000	51.000	17.000	9.063	1.1875	A572-65
20	8.5	1.25	10.625	0.625	51.000	51.000	17.000	9.063	1.1875	A572-65
21	6	1	6	0.5	30.000	30.000	16.000	4.750	1.1875	A572-65
22	6	1	6	0.5	30.000	30.000	16.000	4.750	1.1875	A572-65
23	6.5	1.25	8.125	0.625	33.000	33.000	19.250	6.563	1.1875	A572-65
24	1.25	4	5	2	n/a	n/a	0.000	5.000	0.0000	A572-65
25	1.25	5.875	7.34375	2.9375	n/a	n/a	0.000	7.344	0.0000	A572-65

TNX Geometry Input

Increment (ft): 5

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	160 - 155	5		0	16.000	16.000	0.375	A53-B-35	1.000
2	155 - 150	5		0	16.000	16.000	0.375	A53-B-35	1.000
3	150 - 146	4	0	0	16.000	16.000	0.375	A53-B-35	1.000
4	146 - 141	5		12	22.000	22.924	0.25	A607-60	1.000
5	141 - 136	5		12	22.924	23.848	0.25	A607-60	1.000
6	136 - 131	5		12	23.848	24.772	0.25	A607-60	1.000
7	131 - 126	5		12	24.772	25.696	0.25	A607-60	1.000
8	126 - 121	5		12	25.696	26.620	0.25	A607-60	1.000
9	121 - 120.1	0.9		12	26.620	26.786	0.25	A607-60	1.000
10	120.1 - 119.85	0.25		12	26.786	26.833	0.4875	A607-60	0.953
11	119.85 - 117.5	2.35		12	26.833	27.267	0.4875	A607-60	0.946
12	117.5 - 117.25	0.25		12	27.267	27.313	0.5	A607-60	1.027
13	117.25 - 115.5	1.75		12	27.313	27.637	0.5	A607-60	1.020
14	115.5 - 115.25	0.25		12	27.637	27.683	0.6625	A607-60	0.930
15	115.25 - 110.25	5		12	27.683	28.607	0.65	A607-60	0.929
16	110.25 - 107.5	6.5	3.75	12	28.607	29.808	0.6375	A607-60	0.937
17	107.5 - 102.5	5		12	28.082	29.074	0.7125	A607-60	0.930
18	102.5 - 100.5	2		12	29.074	29.471	0.7	A607-60	0.939
19	100.5 - 100.25	0.25		12	29.471	29.521	0.6375	A607-60	0.988
20	100.25 - 98.5	1.75		12	29.521	29.868	0.6375	A607-60	0.982
21	98.5 - 98.25	0.25		12	29.868	29.917	0.6625	A607-60	0.993
22	98.25 - 93.25	5		12	29.917	30.909	0.65	A607-60	0.994
23	93.25 - 90.5	2.75		12	30.909	31.455	0.65	A607-60	0.985
24	90.5 - 90.25	0.25		12	31.455	31.504	0.6875	A607-60	1.067
25	90.25 - 85.25	5		12	31.504	32.496	0.675	A607-60	1.067
26	85.25 - 83.5	1.75		12	32.496	32.843	0.6625	A607-60	1.080
27	83.5 - 83.25	0.25		12	32.843	32.893	0.9125	A607-60	0.982
28	83.25 - 80.75	2.5		12	32.893	33.389	0.9	A607-60	0.985
29	80.75 - 80.5	0.25		12	33.389	33.439	1.0625	A607-60	0.934
30	80.5 - 80.25	0.25		12	33.439	33.488	0.9875	A607-60	0.981
31	80.25 - 77.5	2.75		12	33.488	34.034	0.9625	A607-60	0.994
32	77.5 - 77.25	0.25		12	34.034	34.083	0.6875	A607-60	1.135
33	77.25 - 73	8.75	4.5	12	34.083	35.819	0.6875	A607-60	1.118
34	73 - 68	5		12	34.301	35.233	0.75	A607-60	1.105
35	68 - 64.25	3.75		12	35.233	35.932	0.7375	A607-60	1.111
36	64.25 - 64	0.25		12	35.932	35.978	0.875	A607-60	1.014
37	64 - 60.5	3.5		12	35.978	36.630	0.8625	A607-60	1.018
38	60.5 - 60.25	0.25		12	36.630	36.677	0.925	A607-60	1.010
39	60.25 - 60.1	0.15		12	36.677	36.705	0.925	A607-60	1.010
40	60.1 - 59.85	0.25		12	36.705	36.751	0.975	A607-60	0.995
41	59.85 - 59.1	0.75		12	36.751	36.891	0.975	A607-60	0.993
42	59.1 - 58.85	0.25		12	36.891	36.938	1.05	A607-60	0.991
43	58.85 - 55.4	3.45		12	36.938	37.581	1.025	A607-60	1.003
44	55.4 - 55.15	0.25		12	37.581	37.627	1.025	A607-60	1.002
45	55.15 - 54.75	0.4		12	37.627	37.702	1.025	A607-60	1.001
46	54.75 - 54.5	0.25		12	37.702	37.748	0.825	A607-60	1.052
47	54.5 - 49.5	5		12	37.748	38.680	0.8125	A607-60	1.053
48	49.5 - 44.5	5		12	38.680	39.612	0.8	A607-60	1.055
49	44.5 - 41.3	3.2		12	39.612	40.208	0.7875	A607-60	1.062
50	41.3 - 41.05	0.25		12	40.208	40.254	0.875	A607-60	1.054
51	41.05 - 39	7.05	5	12	40.254	41.568	0.875	A607-60	1.048
52	39 - 33	6		12	39.886	40.996	1.175	A607-65	0.944
53	33 - 31.5	1.5		12	40.996	41.274	1.175	A607-65	0.939
54	31.5 - 31.25	0.25		12	41.274	41.320	1.175	A607-65	0.949
55	31.25 - 30.5	0.75		12	41.320	41.459	1.175	A607-65	0.947
56	30.5 - 30.25	0.25		12	41.459	41.505	1.125	A607-65	0.964
57	30.25 - 25.75	4.5		12	41.505	42.337	1.1	A607-65	0.972
58	25.75 - 25.5	0.25		12	42.337	42.383	1.075	A607-65	0.977
59	25.5 - 24.7	0.8		12	42.383	42.531	1.075	A607-65	0.975
60	24.7 - 24.45	0.25		12	42.531	42.578	0.95	A607-65	0.932
61	24.45 - 24	0.45		12	42.578	42.661	0.95	A607-65	0.931
62	24 - 23.75	0.25		12	42.661	42.707	1.2	A607-65	0.878
63	23.75 - 18.75	5		12	42.707	43.632	1.175	A607-65	0.884
64	18.75 - 14.1	4.65		12	43.632	44.492	1.15	A607-65	0.891
65	14.1 - 13.8	0.3		12	44.492	44.547	1.175	A607-65	0.888
66	13.8 - 13.65	0.15		12	44.547	44.575	1.175	A607-65	0.888
67	13.65 - 10.5	3.15		12	44.575	45.158	1.175	A607-65	0.880
68	10.5 - 10.25	0.25		12	45.158	45.204	1.175	A607-65	0.852
69	10.25 - 5.25	5		12	45.204	46.129	1.15	A607-65	0.859
70	5.25 - 3	2.25		12	46.129	46.545	1.125	A607-65	0.872
71	3 - 2.9	0.1		12	46.545	46.564	1.0875	A607-65	0.864
72	2.9 - 2.75	0.15		12	46.564	46.591	1.025	A607-65	0.839
73	2.75 - 2.65	0.1		12	46.591	46.610	1.025	A607-65	0.839
74	2.65 - 2.5	0.15		12	46.610	46.638	1.025	A607-65	0.839
75	2.5 - 2.25	0.25		12	46.638	46.684	1	A607-65	0.872
76	2.25 - 1.9	0.35		12	46.684	46.749	1	A607-65	0.872
77	1.9 - 1.65	0.25		12	46.749	46.795	0.95	A607-65	0.857
78	1.65 - 0	1.65		12	46.795	47.100	0.95	A607-65	0.854

TNX Section Forces

Increment (ft): 5

	Section Height (ft)	TNX Output P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	160 - 155	4.17	14.58	7.99
2	155 - 150	4.56	55.78	8.59
3	150 - 146	5.90	94.24	10.66
4	146 - 141	9.90	169.12	15.01
5	141 - 136	10.64	247.60	16.29
6	136 - 131	14.88	341.99	23.43
7	131 - 126	16.08	463.07	25.40
8	126 - 121	16.86	591.53	26.02
9	121 - 120.1	17.00	614.99	26.14
10	120.1 - 119.85	17.07	621.52	26.16
11	119.85 - 117.5	17.57	683.40	26.52
12	117.5 - 117.25	17.64	690.03	26.55
13	117.25 - 115.5	18.02	736.78	26.91
14	115.5 - 115.25	18.11	743.51	26.95
15	115.25 - 110.25	19.43	880.74	27.97
16	110.25 - 107.5	20.18	958.37	28.52
17	107.5 - 102.5	22.46	1103.85	29.65
18	102.5 - 100.5	23.14	1163.53	30.11
19	100.5 - 100.25	23.22	1171.06	30.15
20	100.25 - 98.5	23.72	1224.12	30.53
21	98.5 - 98.25	23.82	1231.75	30.56
22	98.25 - 93.25	25.38	1386.65	31.39
23	93.25 - 90.5	26.26	1473.57	31.84
24	90.5 - 90.25	26.36	1481.53	31.87
25	90.25 - 85.25	28.16	1642.93	32.71
26	85.25 - 83.5	28.78	1700.49	33.09
27	83.5 - 83.25	28.91	1708.76	33.14
28	83.25 - 80.75	29.98	1792.31	33.71
29	80.75 - 80.5	30.11	1800.74	33.76
30	80.5 - 80.25	30.23	1809.18	33.82
31	80.25 - 77.5	31.50	1903.04	34.45
32	77.5 - 77.25	31.61	1911.66	34.49
33	77.25 - 73	33.34	2059.77	35.22
34	73 - 68	37.05	2238.37	36.21
35	68 - 64.25	38.70	2375.34	36.86
36	64.25 - 64	38.84	2384.56	36.89
37	64 - 60.5	40.49	2514.73	37.51
38	60.5 - 60.25	40.63	2524.11	37.55
39	60.25 - 60.1	40.70	2529.75	37.58
40	60.1 - 59.85	40.83	2539.15	37.62
41	59.85 - 59.1	41.21	2567.42	37.77
42	59.1 - 58.85	41.36	2576.87	37.82
43	58.85 - 55.4	43.25	2708.48	38.49
44	55.4 - 55.15	43.40	2718.10	38.53
45	55.15 - 54.75	43.62	2733.53	38.60
46	54.75 - 54.5	43.75	2743.19	38.65
47	54.5 - 49.5	46.19	2938.63	39.54
48	49.5 - 44.5	48.68	3138.36	40.38
49	44.5 - 41.3	50.29	3268.36	40.90
50	41.3 - 41.05	50.44	3278.58	40.93
51	41.05 - 39	51.55	3362.83	41.28
52	39 - 33	57.75	3614.06	42.46
53	33 - 31.5	58.71	3677.92	42.72
54	31.5 - 31.25	58.89	3688.60	42.74
55	31.25 - 30.5	59.38	3720.71	42.88
56	30.5 - 30.25	59.54	3731.43	42.92
57	30.25 - 25.75	62.42	3926.22	43.67
58	25.75 - 25.5	62.60	3937.14	43.69
59	25.5 - 24.7	63.10	3972.14	43.83
60	24.7 - 24.45	63.25	3983.10	43.86
61	24.45 - 24	63.49	4002.85	43.93
62	24 - 23.75	63.66	4013.84	43.96
63	23.75 - 18.75	66.86	4235.48	44.70
64	18.75 - 14.1	69.87	4444.70	45.31
65	14.1 - 13.8	70.08	4458.30	45.33
66	13.8 - 13.65	70.18	4465.10	45.35
67	13.65 - 10.5	72.26	4608.61	45.78
68	10.5 - 10.25	72.43	4620.06	45.79
69	10.25 - 5.25	75.66	4850.58	46.43
70	5.25 - 3	77.13	4955.34	46.71
71	3 - 2.9	77.21	4960.01	46.70
72	2.9 - 2.75	77.29	4967.02	46.72
73	2.75 - 2.65	77.35	4971.69	46.73
74	2.65 - 2.5	77.44	4978.70	46.75
75	2.5 - 2.25	77.59	4990.39	46.78
76	2.25 - 1.9	77.80	5006.78	46.83
77	1.9 - 1.65	77.94	5018.49	46.85
78	1.65 - 0	78.85	5095.96	47.08

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP16x16x0.375	Pole	6.5%	Pass
155 - 150	Pole	TP16x16x0.375	Pole	22.9%	Pass
150 - 146	Pole	TP16x16x0.375	Pole	38.4%	Pass
146 - 141	Pole	TP22.924x22x0.25	Pole	29.5%	Pass
141 - 136	Pole	TP23.848x22.924x0.25	Pole	40.0%	Pass
136 - 131	Pole	TP24.772x23.848x0.25	Pole	52.0%	Pass
131 - 126	Pole	TP25.696x24.772x0.25	Pole	66.0%	Pass
126 - 121	Pole	TP26.62x25.696x0.25	Pole	79.3%	Pass
121 - 120.1	Pole	TP26.786x26.62x0.25	Pole	81.5%	Pass
120.1 - 119.85	Pole + Reinf.	TP26.833x26.786x0.4875	Reinf. 21 Tension Rupture	57.0%	Pass
119.85 - 117.5	Pole + Reinf.	TP27.267x26.833x0.4875	Reinf. 21 Tension Rupture	61.1%	Pass
117.5 - 117.25	Pole + Reinf.	TP27.313x27.267x0.5	Reinf. 22 Tension Rupture	56.9%	Pass
117.25 - 115.5	Pole + Reinf.	TP27.637x27.313x0.5	Reinf. 22 Tension Rupture	59.7%	Pass
115.5 - 115.25	Pole + Reinf.	TP27.683x27.637x0.6625	Reinf. 1 Tension Rupture	52.7%	Pass
115.25 - 110.25	Pole + Reinf.	TP28.607x27.683x0.65	Reinf. 1 Tension Rupture	59.6%	Pass
110.25 - 107.5	Pole + Reinf.	TP29.808x28.607x0.6375	Reinf. 1 Tension Rupture	63.2%	Pass
107.5 - 102.5	Pole + Reinf.	TP29.074x28.082x0.7125	Reinf. 1 Tension Rupture	66.4%	Pass
102.5 - 100.5	Pole + Reinf.	TP29.471x29.074x0.7	Reinf. 1 Tension Rupture	68.6%	Pass
100.5 - 100.25	Pole + Reinf.	TP29.521x29.471x0.6375	Reinf. 21 Tension Rupture	70.2%	Pass
100.25 - 98.5	Pole + Reinf.	TP29.868x29.521x0.6375	Reinf. 21 Tension Rupture	72.0%	Pass
98.5 - 98.25	Pole + Reinf.	TP29.917x29.868x0.6625	Reinf. 23 Tension Rupture	68.9%	Pass
98.25 - 93.25	Pole + Reinf.	TP30.909x29.917x0.65	Reinf. 23 Tension Rupture	73.8%	Pass
93.25 - 90.5	Pole + Reinf.	TP31.455x30.909x0.65	Reinf. 23 Tension Rupture	76.4%	Pass
90.5 - 90.25	Pole + Reinf.	TP31.504x31.455x0.6875	Reinf. 23 Tension Rupture	75.4%	Pass
90.25 - 85.25	Pole + Reinf.	TP32.496x31.504x0.675	Reinf. 23 Tension Rupture	79.7%	Pass
85.25 - 83.5	Pole + Reinf.	TP32.843x32.496x0.6625	Reinf. 23 Tension Rupture	81.2%	Pass
83.5 - 83.25	Pole + Reinf.	TP32.893x32.843x0.9125	Reinf. 6 Tension Rupture	61.5%	Pass
83.25 - 80.75	Pole + Reinf.	TP33.389x32.893x0.9	Reinf. 6 Tension Rupture	63.2%	Pass
80.75 - 80.5	Pole + Reinf.	TP33.439x33.389x1.0625	Reinf. 6 Tension Rupture	51.9%	Pass
80.5 - 80.25	Pole + Reinf.	TP33.488x33.439x0.9875	Reinf. 11 Tension Rupture	55.9%	Pass
80.25 - 77.5	Pole + Reinf.	TP34.034x33.488x0.9625	Reinf. 11 Tension Rupture	57.6%	Pass
77.5 - 77.25	Pole + Reinf.	TP34.083x34.034x0.6875	Reinf. 11 Tension Rupture	80.6%	Pass
77.25 - 73	Pole + Reinf.	TP35.819x34.083x0.6875	Reinf. 11 Tension Rupture	83.8%	Pass
73 - 68	Pole + Reinf.	TP35.233x34.301x0.75	Reinf. 11 Tension Rupture	81.9%	Pass
68 - 64.25	Pole + Reinf.	TP35.932x35.233x0.7375	Reinf. 11 Tension Rupture	84.3%	Pass
64.25 - 64	Pole + Reinf.	TP35.978x35.932x0.875	Reinf. 7 Tension Rupture	74.4%	Pass
64 - 60.5	Pole + Reinf.	TP36.63x35.978x0.8625	Reinf. 7 Tension Rupture	76.4%	Pass
60.5 - 60.25	Pole + Reinf.	TP36.677x36.63x0.925	Reinf. 7 Tension Rupture	72.1%	Pass
60.25 - 60.1	Pole + Reinf.	TP36.705x36.677x0.925	Reinf. 7 Tension Rupture	72.2%	Pass
60.1 - 59.85	Pole + Reinf.	TP36.751x36.705x0.975	Reinf. 7 Tension Rupture	69.8%	Pass
59.85 - 59.1	Pole + Reinf.	TP36.891x36.751x0.975	Reinf. 7 Tension Rupture	70.2%	Pass
59.1 - 58.85	Pole + Reinf.	TP36.938x36.891x1.05	Reinf. 7 Tension Rupture	63.9%	Pass
58.85 - 55.4	Pole + Reinf.	TP37.581x36.938x1.025	Reinf. 7 Tension Rupture	65.6%	Pass
55.4 - 55.15	Pole + Reinf.	TP37.627x37.581x1.025	Reinf. 7 Tension Rupture	65.7%	Pass
55.15 - 54.75	Pole + Reinf.	TP37.702x37.627x1.025	Reinf. 7 Tension Rupture	65.9%	Pass
54.75 - 54.5	Pole + Reinf.	TP37.748x37.702x0.825	Reinf. 10 Tension Rupture	80.0%	Pass
54.5 - 49.5	Pole + Reinf.	TP38.68x37.748x0.8125	Reinf. 10 Tension Rupture	82.6%	Pass
49.5 - 44.5	Pole + Reinf.	TP39.612x38.68x0.8	Reinf. 10 Tension Rupture	85.1%	Pass
44.5 - 41.3	Pole + Reinf.	TP40.208x39.612x0.7875	Reinf. 10 Tension Rupture	86.7%	Pass
41.3 - 41.05	Pole + Reinf.	TP40.254x40.208x0.875	Reinf. 10 Tension Rupture	76.1%	Pass
41.05 - 39	Pole + Reinf.	TP41.568x40.254x0.875	Reinf. 10 Tension Rupture	76.9%	Pass
39 - 33	Pole + Reinf.	TP40.996x39.886x1.175	Reinf. 10 Tension Rupture	60.3%	Pass
33 - 31.5	Pole + Reinf.	TP41.274x40.996x1.175	Reinf. 10 Tension Rupture	60.8%	Pass
31.5 - 31.25	Pole + Reinf.	TP41.32x41.274x1.175	Reinf. 10 Tension Rupture	60.5%	Pass
31.25 - 30.5	Pole + Reinf.	TP41.459x41.32x1.175	Reinf. 10 Tension Rupture	60.8%	Pass
30.5 - 30.25	Pole + Reinf.	TP41.505x41.459x1.125	Reinf. 9 Tension Rupture	63.8%	Pass
30.25 - 25.75	Pole + Reinf.	TP42.337x41.505x1.1	Reinf. 9 Tension Rupture	65.4%	Pass
25.75 - 25.5	Pole + Reinf.	TP42.383x42.337x1.075	Reinf. 9 Tension Rupture	69.1%	Pass
25.5 - 24.7	Pole + Reinf.	TP42.531x42.383x1.075	Reinf. 9 Tension Rupture	69.4%	Pass
24.7 - 24.45	Pole + Reinf.	TP42.578x42.531x0.95	Reinf. 9 Tension Rupture	76.1%	Pass
24.45 - 24	Pole + Reinf.	TP42.661x42.578x0.95	Reinf. 9 Tension Rupture	76.3%	Pass
24 - 23.75	Pole + Reinf.	TP42.707x42.661x1.2	Reinf. 9 Tension Rupture	61.7%	Pass
23.75 - 18.75	Pole + Reinf.	TP43.632x42.707x1.175	Reinf. 9 Tension Rupture	63.4%	Pass
18.75 - 14.1	Pole + Reinf.	TP44.492x43.632x1.15	Reinf. 9 Tension Rupture	65.0%	Pass
14.1 - 13.8	Pole + Reinf.	TP44.547x44.492x1.175	Reinf. 9 Tension Rupture	63.4%	Pass
13.8 - 13.65	Pole + Reinf.	TP44.575x44.547x1.175	Reinf. 9 Tension Rupture	63.4%	Pass
13.65 - 10.5	Pole + Reinf.	TP45.158x44.575x1.175	Reinf. 9 Tension Rupture	64.4%	Pass
10.5 - 10.25	Pole + Reinf.	TP45.204x45.158x1.175	Reinf. 9 Tension Rupture	64.5%	Pass
10.25 - 5.25	Pole + Reinf.	TP46.129x45.204x1.15	Reinf. 9 Tension Rupture	66.1%	Pass
5.25 - 3	Pole + Reinf.	TP46.545x46.129x1.125	Reinf. 9 Tension Rupture	66.8%	Pass
3 - 2.9	Pole + Reinf.	TP46.564x46.545x1.0875	Reinf. 9 Tension Rupture	68.9%	Pass
2.9 - 2.75	Pole + Reinf.	TP46.591x46.564x1.025	Reinf. 9 Tension Rupture	76.1%	Pass
2.75 - 2.65	Pole + Reinf.	TP46.61x46.591x1.025	Reinf. 9 Tension Rupture	76.2%	Pass
2.65 - 2.5	Pole + Reinf.	TP46.638x46.61x1.025	Reinf. 9 Tension Rupture	76.2%	Pass
2.5 - 2.25	Pole + Reinf.	TP46.684x46.638x1	Reinf. 18 Tension Yield	69.9%	Pass
2.25 - 1.9	Pole + Reinf.	TP46.749x46.684x1	Reinf. 18 Tension Yield	69.9%	Pass
1.9 - 1.65	Pole + Reinf.	TP46.795x46.749x0.95	Reinf. 18 Tension Yield	71.7%	Pass
1.65 - 0	Pole + Reinf.	TP47.1x46.795x0.95	Reinf. 18 Tension Yield	72.1%	Pass
				Summary	
			Pole	81.5%	Pass
			Reinforcement	86.7%	Pass
			Overall	86.7%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*																							
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19	R20	R21	R22	R23	R24	R25
160 - 155	562	n/a	562	18.41	n/a	18.41	6.5%																									
155 - 150	562	n/a	562	18.41	n/a	18.41	22.9%																									
150 - 146	562	n/a	562	18.41	n/a	18.41	38.4%																									
146 - 141	1199	n/a	1199	18.23	n/a	18.23	29.5%																									
141 - 136	1352	n/a	1352	18.97	n/a	18.97	40.0%																									
136 - 131	1517	n/a	1517	19.71	n/a	19.71	52.0%																									
131 - 126	1695	n/a	1695	20.45	n/a	20.45	66.0%																									
126 - 121	1887	n/a	1887	21.20	n/a	21.20	79.3%																									
121 - 120.1	1923	n/a	1923	21.33	n/a	21.33	81.5%																									
120.1 - 119.85	1933	1771	3703	21.37	18.00	39.37	41.5%																					57.0%	57.0%			
119.85 - 117.5	2029	1826	3855	21.72	18.00	39.72	44.8%																					61.1%	61.1%			
117.5 - 117.25	2045	1928	3972	21.75	22.50	44.25	46.9%	50.2%																				56.9%	56.9%			
117.25 - 115.5	2119	1971	4090	22.01	22.50	44.51	49.4%	52.7%																				59.7%	59.7%			
115.5 - 115.25	2124	3279	5403	22.05	31.50	53.55	35.6%	52.7%	52.7%																			48.1%	48.1%			
115.25 - 110.25	2346	3491	5837	22.79	31.50	54.29	40.8%	59.6%	59.6%																			54.4%	54.4%			
110.25 - 107.5	2474	3611	6085	23.20	31.50	54.70	43.7%	63.2%	63.2%																			57.8%	57.8%			
107.5 - 102.5	3060	3601	6661	28.90	31.50	60.40	42.1%	66.4%	66.4%																			60.6%	60.6%			
102.5 - 100.5	3188	3696	6884	29.30	31.50	60.80	43.7%	68.6%	68.6%																			62.6%	62.6%			
100.5 - 100.25	3233	3141	6373	29.35	29.13	58.47	52.3%		67.7%																			70.2%		61.5%		
100.25 - 98.5	3349	3212	6561	29.70	29.13	58.82	53.9%		69.5%																			72.0%		63.2%		
98.5 - 98.25	3360	3543	6903	29.75	32.13	61.87	51.1%												60.8%									64.8%		68.9%		
98.25 - 93.25	3708	3770	7478	30.74	32.13	62.87	55.5%												65.3%									69.5%		73.8%		
93.25 - 90.5	3909	3898	7807	31.29	32.13	63.42	57.8%												67.7%									72.0%		76.4%		
90.5 - 90.25	4006	4381	8388	31.34	41.38	72.72	57.0%												56.8%								55.3%			75.4%		
90.25 - 85.25	4397	4647	9044	32.34	41.38	73.71	61.1%												60.3%								58.7%			79.8%		
85.25 - 83.5	4540	4741	9281	32.69	41.38	74.06	62.5%												61.6%								59.9%			81.2%		
83.5 - 83.25	4510	7810	12320	32.74	59.38	92.11	45.8%						61.5%						51.2%								49.5%			56.9%		
83.25 - 80.75	4719	8036	12755	33.24	59.38	92.61	47.3%						63.2%						52.7%								50.9%			58.5%		
80.75 - 80.5	4686	10260	14946	33.29	70.00	103.29	38.9%			42.5%			51.9%						51.3%								45.5%			51.4%		
80.5 - 80.25	4703	9166	13869	33.34	67.88	101.21	41.9%			43.7%			53.7%					55.9%								45.9%					
80.25 - 77.5	4939	9452	14390	33.88	67.88	101.76	43.5%			45.1%			55.3%					57.6%								47.3%					
77.5 - 77.25	4992	5677	10668	33.93	49.88	83.81	60.9%			54.5%								80.6%								55.9%					
77.25 - 73	5374	5944	11318	34.78	49.88	84.66	63.9%			56.8%								83.8%								58.3%					
73 - 68	6579	6050	12629	42.03	49.88	91.91	58.6%			56.8%								81.9%								58.3%					
68 - 64.25	6982	6279	13261	42.87	49.88	92.75	60.8%			58.6%								84.3%								60.2%					
64.25 - 64	7091	8632	15723	42.93	57.25	100.18	52.6%							74.4%				71.1%								57.4%					
64 - 60.5	7485	8936	16421	43.72	57.25	100.97	54.3%							76.4%				73.0%								59.0%					
60.5 - 60.25	7509	9889	17398	43.77	63.63	107.40	52.4%							72.1%			66.7%									56.3%					
60.25 - 60.1	7527	9903	17430	43.81	63.63	107.43	52.5%							72.2%			66.8%									56.4%					
60.1 - 59.85	7668	10994	18662	43.86	67.76	111.62	50.8%							69.8%			65.1%						52.1%			56.0%					
59.85 - 59.1	7756	11075	18830	44.03	67.76	111.79	51.2%							70.2%			65.4%						52.4%			56.4%					
59.1 - 58.85	7646	12343	19989	44.09	76.02	120.10	46.6%							63.9%			59.5%					56.6%		52.1%		51.0%					
58.85 - 55.4	8055	12759	20814	44.86	76.02	120.88	48.1%							65.6%			61.1%					58.1%		53.5%		52.3%					
55.4 - 55.15	8086	12789	20875	44.92	76.02	120.93	48.2%							65.7%			61.2%					58.2%		53.6%	52.4%						
55.15 - 54.75	8134	12838	20972	45.01	76.02	121.02	48.4%							65.9%			61.4%					58.3%		53.8%	52.6%						
54.75 - 54.5	8221	8999	17220	45.06	58.02	103.08	60.9%										80.0%					69.4%		65.1%	61.0%						
54.5 - 49.5	8847	9431	18278	46.19	58.02	104.20	63.5%										82.6%					71.8%		67.4%	63.1%						
49.5 - 44.5	9504	9873	19377	47.31	58.02	105.33	66.0%										85.1%					74.0%		69.6%	65.2%						
44.5 - 41.3	9941	10162	20103	48.03	58.02	106.04	67.6%										86.7%					75.4%		70.9%	66.4%						
41.3 - 41.05	9821	12255	22077	48.09	68.64	116.73	58.1%				58.8%						76.1%					72.6%		65.8%	60.0%						
41.05 - 39	10106	12479	22585	48.55	68.64	117.19	59.1%				59.5%						76.9%					73.5%		66.6%	60.7%						
39 - 33	10346	20124	30470	48.98	93.02	141.99	42.7%				53.4%				59.4%		60.3%					58.7%		56.4%	54.4%						
33 - 31.5	10560	20386	30946	49.31	93.02	142.33	43.2%				53.9%				59.9%		60.8%					59.2%		56.9%	54.9%						
31.5 - 31.25	10602	20827	31429	49.37	94.54	143.91	43.9%				53.6%				60.0%		60.5%					59.3%	53.7%		54.9%						
31.25 - 30.5	10710	20962	31672	49.54	94.54	144.07	44.2%				53.8%				60.3%		60.8%					59.6%	53.9%		55.1%						
30.5 - 30.25	10742	19797	30539	49.59	91.20	140.79	45.8%				53.9%				62.2%	63.8%					60.3%		56.3%		56.2%						
30.25 - 25.75	11407	20567	31974	50.60	91.20	141.80	47.3%				55.3%				63.8%	65.4%					61.7%		57.7%		57.6%						
25.75 - 25.5	11472	19614	31087	50.65	88.86	139.51	50.1%				53.0%					69.1%					64.2%		57.8%		54.6%						64.7%
25.5 - 24.7	11594	19739	31334	50.83	88.86	139.69	50.4%				53.3%					69.4%					64.5%		58.0%		54.9%						64.9%
24.7 - 24.45	11615	16785	28400	50.89	67.61	118.49	55.3%				60.8%					76.1%					68.2%		70.8%								69.6%
24.45 - 24	11684	16844	28528	50.99	67.61	118.59	55.5%				61.0%					76.3%					68.4%		71.0%								69.7%
24 - 23.75	11718	23690	35408	51.04	89.64	140.68	45.0%				50.7%					61.7%					55.7%		57.5%		57.3%						
23.75 - 18.75	12503	24609	37112	52.16	89.64	141.80	46.7%				52.1%					63.4%					57.2%		59.1%		58.8%						
18.75 - 14.1	13263	25480	38744	53.20	89.64	142.83	48.3%				53.5%					65.0%					58.6%		60.5%		60.0%						
14.1 - 13.8	13308	26363	39671	53.26	92.25	145.51	47.1%				53.4%					63.4%				61.6%	57.7%				59.0%						
13.8 - 13.65	13333	26393	39725	53.30	92.25	145.54	47.2%				53.4%					63.4%				61.6%	57.7%				59.1%						
13.65 - 10.5	13867	27014	40881	54.00	92.25	146.25	48.3%				54.3%					64.4%				62.6%	58.6%				59.9%						
10.5 - 10.25	13907	27078	40985	54.05	87.62	141.68	47.3%					63.4%				64.5%				62.7%	58.8%				60.7%						
10.25 - 5.25	14785	28083	42869	55.17	87.62	142.79	49.0%					65.0%				66.1%				64.2%	60.2%				62.0%						
5.25 - 3	15193	28542	43734	55.67	87.62	143.29	49.7%					65.7%				66.8%				64.8%	60.8%				62.6%						
3 - 2.9	15209	26919	42127	55.69	81.62	137.32	52.4%									68.9%				67.5%	67.3%				67.2%						
2.9 - 2.75	15306	24487	39793	55.73	70.32	126.05	58.0%									76.1%				69.6%					75.8%						
2.75 - 2.65	15324	24504	39829	55.75	70.32	126.07	58.0%									76.2%				69.7%					75.8%						
2.65 - 2.5	15352	24530	39882	55.78	70.32	126.10	58.1%									76.2%				69.7%					75.9%						
2.5 - 2.25	15338	23814	39152	55.84	72.32	128.16	58.8%													66.2%					69.9%					65.4%	
2.25 - 1.9	15403	23871	39274	55.92	72.32	128.24	58.9%													66.3%					69.9%					65.5%	
1.9 - 1.65	15437	22477	37914	55.97	64.06	120.03	60.3%																		71.7%					67.8%	
1.65 - 0	15744	22732	38476	56.34	64.06	120.40	60.9%																		72.1%					68.3%	

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

Monopole Flange Plate Connection

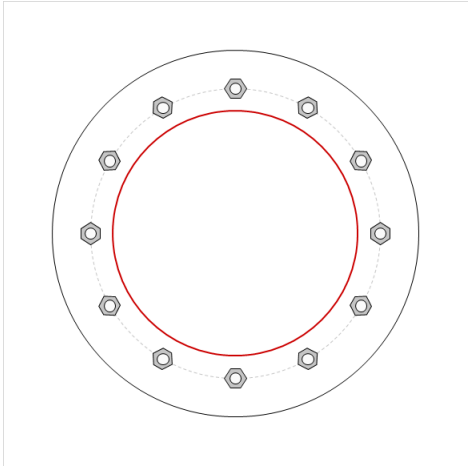
Elevation = 146 ft.

BU #	876334
Site Name	OUTHINGTON, SMORO
Order #	506800 Rev 0
TIA-222 Revision	H

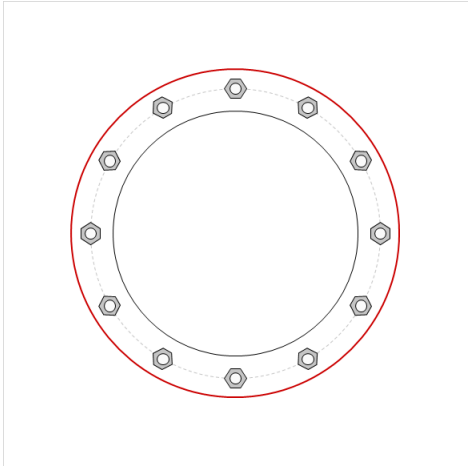
Applied Loads	
Moment (kip-ft)	94.24
Axial Force (kips)	5.90
Shear Force (kips)	10.66

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(12) 3/4" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 19" BC

Top Plate Data

24" OD x 1.5" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Bottom Plate Data

16" ID x 0.75" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

16" x 0.375" round pole (A53-B-35; Fy=35 ksi, Fu=60 ksi)

Bottom Pole Data

22" x 0.25" 12-sided pole (A607-60; Fy=60 ksi, Fu=75 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	19.34	
Allowable (kips)	30.03	
Stress Rating:	**61.3%**	Pass

Top Plate Capacity

Max Stress (ksi):	8.02	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	**17.0%**	Pass
Tension Side Stress Rating:	**8.3%**	Pass

Bottom Plate Capacity

Max Stress (ksi):	31.41	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	**66.5%**	Pass
Tension Side Stress Rating:	**N/A**	

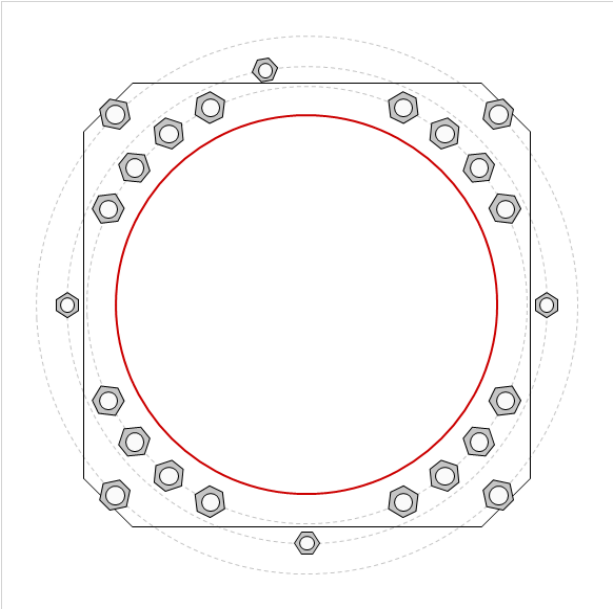
Monopole Base Plate Connection

Site Info	
BU #	876334
Site Name	OUTHINGTON, SMORO
Order #	506800 Rev 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	4.75

Applied Loads	
Moment (kip-ft)	5095.96
Axial Force (kips)	78.85
Shear Force (kips)	47.08

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 54.375" BC
Anchor Spacing: 6 in
GROUP 2: (4) 1-3/4" ø bolts (F1554-105 N; Fy=105 ksi, Fu=125 ksi) on 59.1" BC
pos. (deg): 0, 100, 180, 270

GROUP 3: (4) 2-1/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 66.8125" BC

Base Plate Data

55" OD x 3" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Stiffener Data

N/A

Pole Data

47.1" x 0.375" 12-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

GROUP 1:		
Pu_c = 187.16	ϕPn_c = 243.75	**Stress Rating**
Vu = 2.94	ϕVn = 73.13	**82.4%**
Mu = 9.09	ϕMn = 94.7	**Pass**
GROUP 2:		
Pu_c = 117.58	ϕPn_c = 199.5	**Stress Rating**
Vu = 0	ϕVn = 59.85	**56.1%**
Mu = 0	ϕMn = 59.26	**Pass**
GROUP 3:		
Pu_c = 229.1	ϕPn_c = 341.25	**Stress Rating**
Vu = 0	ϕVn = 102.38	**63.9%**
Mu = 0	ϕMn = 132.58	**Pass**

Base Plate Summary

Max Stress (ksi):	29.79	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**63.0%**	**Pass**

Drilled Pier Foundation

BU # :	876334
Site Name:	SOUTHINGTON, SMO
Order Number:	506800 Rev 0

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	5096	
Axial Force (kips)	79	
Shear Force (kips)	47	

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

Pier Design Data		
Depth	21	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 21' below grade		
Pier Diameter	7	ft
Rebar Quantity	32	
Rebar Size	11	
Clear Cover to Ties	4	in
Tie Size	5	

Analysis Results		
Soil Lateral Capacity	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	5.57	-
Soil Safety Factor	1.54	-
Max Moment (kip-ft)	5319.43	-
Rating*	*82.1%*	-
Soil Vertical Capacity	*Compression*	*Uplift*
Skin Friction (kips)	245.32	-
End Bearing (kips)	1665.42	-
Weight of Concrete (kips)	148.94	-
Total Capacity (kips)	1910.74	-
Axial (kips)	227.94	-
Rating*	*11.4%*	-
Reinforced Concrete Capacity	*Compression*	*Uplift*
Critical Depth (ft from TOC)	5.34	-
Critical Moment (kip-ft)	5318.58	-
Critical Moment Capacity	7579.51	-
Rating*	*66.8%*	-

Soil Interaction Rating*	**82.1%**
Structural Foundation Rating*	**66.8%**

*Rating per TIA-222-H Section 15.5

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

Soil Profile

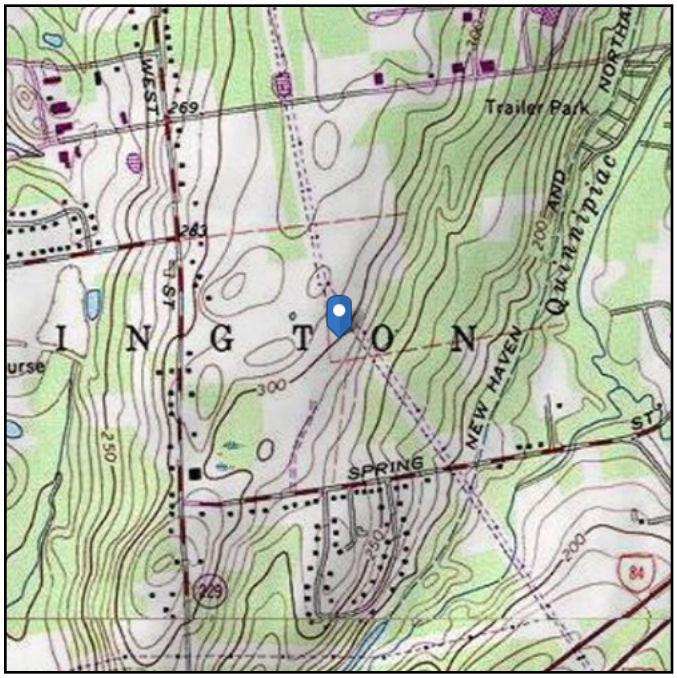
Groundwater Depth	n/a	ft	# of Layers: 8

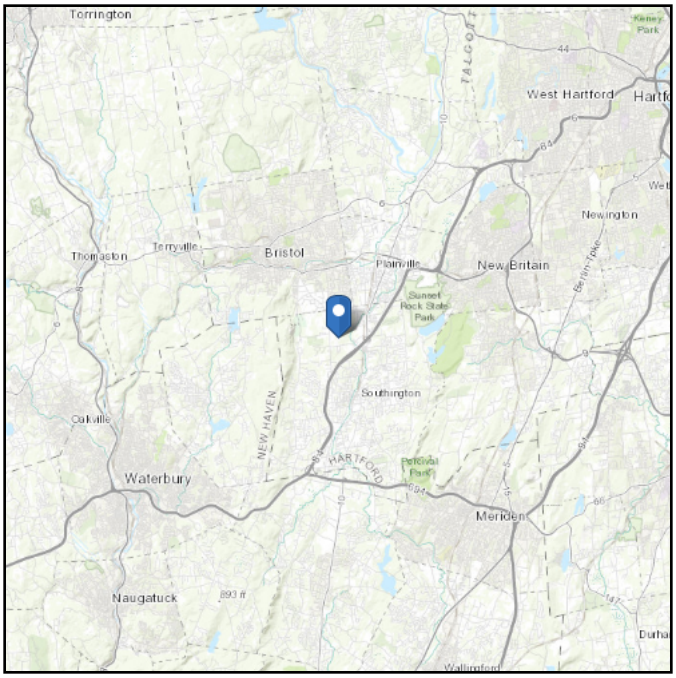
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	2	2	110	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	2	3.3	1.3	130	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	3.3	5	1.7	130	150	0	36	0.000	0.000	0.00	0.00			Cohesionless
4	5	6	1	130	150	0	36	0.000	0.000	0.65	0.65			Cohesionless
5	6	8	2	120	150	0	30	0.000	0.000	0.90	0.90			Cohesionless
6	8	12.4	4.4	130	150	0	36	0.000	0.000	1.38	1.38			Cohesionless
7	12.4	14	1.6	145	150	0	40	0.00	0.00	3.97	3.97			Cohesionless
8	14	21	7	145	150	0	40	0.00	0.00	0.00	0.00	57.7		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-10	**Elevation:**	296.07 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.632472
Soil Class:	D - Stiff Soil	**Longitude:**	-72.89425





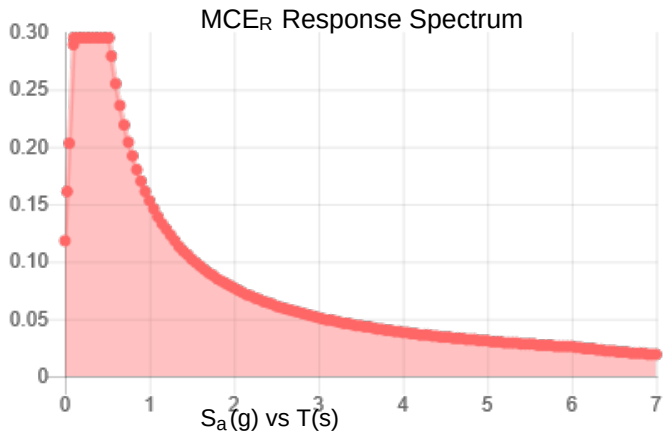
Seismic

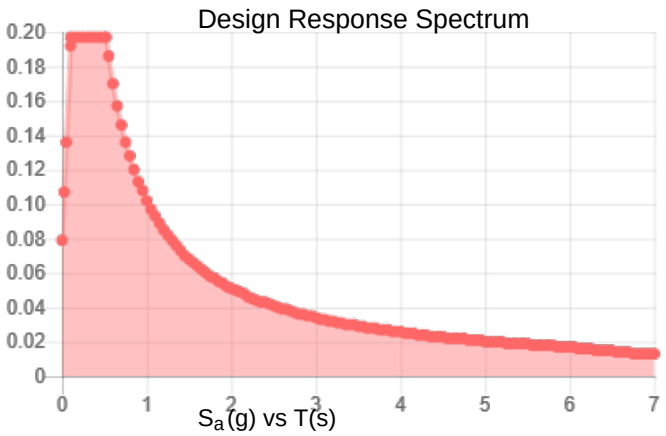
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.185	S_{DS} :	0.197
S_1 :	0.064	S_{D1} :	0.102
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.094
S_{MS} :	0.295	PGA_M :	0.151
S_{M1} :	0.153	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Thu Oct 31 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:	1.00 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Thu Oct 31 2019

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

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

Exhibit E

Mount Analysis

October 30, 2019

Kevin Morrow
Crown Castle
3530 Toringdon Way, Suite 300
Charlotte, NC 28277
(704) 405-6619

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351
Structures@tepgroup.net

Subject:	**Mount Analysis**	
Carrier Designation:	***Verizon Wireless* Reconfiguration**	
	Client Site Number:	NG20702
	Client Site Name:	Southington CT
Crown Castle Designation:	**Crown Castle BU Number:**	876334
	Crown Castle Site Name:	Southington, Smoron
	Crown Castle JDE Job Number:	592728
	Crown Castle Order Number:	506800 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25656.317427
Site Data:	**625 Spring Street, Southington, Hartford County, CT 06489** **Latitude *41° 37' 56.90"*, Longitude *-72° 53' 39.30"***	
Structure Information:	**Tower Height & Type:**	158.0± ft Monopole
	Mount Elevation:	132.0 ft
	Mount Width & Type:	14.0 ft Platform w/ Handrail Mount

Dear Kevin Morrow,

Tower Engineering Professionals is pleased to submit this **"Mount Analysis"** to determine the structural integrity of Verizon Wireless's antenna mounting system with proposed appurtenance and equipment addition on the above mentioned 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:

Platform w/ Handrail Mount **Sufficient Capacity**

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

Structural analysis prepared by: Daniel Cisneros / GHM

Respectfully submitted by:

Aaron T. Rucker, P.E.
Structural Division Manager

Electronic Copy

10/30/2019

TABLE OF CONTENTS

1) INTRODUCTION

The mount is an existing 14.0-ft Platform w/ Handrail mount.

2) ANALYSIS CRITERIA

Building Code:	2015 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	125 mph
Exposure Category:	C
Topographic Category at Base:	1.0
Topographic Category at Mount:	1.0
Ice Thickness:	1.0 in
Wind Speed with Ice:	50 mph
Seismic Design Category:	B
Seismic S_s:	0.185
Seismic S_1:	0.064
Live Loading Wind Speed:	30 mph
Live Loading at Mid/End-Points:	250 lb
Man Live Loading at Mount Pipes:	500 lb

Table 1 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details
132.0	134.0	6	Antel	BXA-80080-6CF-EDIN-X	Platform w/ Handrail Mount
	133.0	6	Andrew	SBNHH-1D65B	
		3	Samsung Telecommunications	CBRS	
		1	RFS/Celwave	DB-C1-12C-24AB-0Z	
		3	Samsung Telecommunications	20W CBRS	
		3	Samsung Telecommunications	RFV01U-D1A	
		3	Samsung Telecommunications	RFV01U-D2A	

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Previous Mount Modification Design	Tower Engineering Professionals	8205828	CCIsites
Loading Application	Verizon Wireless	Order 506800 Rev. 0	CCIsites

3.1) Analysis Method

RISA-3D (Version 17.0.1), a commercially available analysis software package, was used to create a three-dimensional model of the mount and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A and Appendix C.

TEP Mount Analysis Tool, a tool internally developed by TEP using Microsoft Excel, was used to calculate member loading for various load cases. Selected output from the analysis is included in Appendix B.

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

In addition, this analysis is in accordance with NSTD-445 *Antennas Mounting System Classification Standard*.

3.2) Assumptions

1) The mount was built in accordance with the manufacturer's specifications.
2) The mount has been maintained in accordance with the manufacturer's specification.
3) The configuration of antennas, mounts and other appurtenances are as specified in Table 1. All mount components have been assumed to be in sufficient condition to carry their full design capacity for this analysis. Refer to the issued mapping for any structural and/or maintenance issues found during our site visit if applicable.
4) All mount components are in sufficient condition to carry their full design capacity.
5) TEP did not analyze the collar mount connection to the pole and assumes it to have sufficient structural capacity to transfer the applied forces from the mount to the tower.
6) All material grades used for this analysis, unless verified by mount manufacturer design, were assumed per AISC Table 2-4, 15th Edition. See RISA-3D output for confirmation on grades used in this analysis.
7) The proposed mount modification depicted in the previous mount SA described in Table 2 was considered installed in this analysis

This analysis may be affected if any assumptions are not valid or have been made in error. Tower Engineering Professionals should be notified to determine the effect on the structural integrity of the antenna mounting system.

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (Platform w/ Handrail Mount)

Notes	Component	Critical Member	Mount Centerline (ft)	% Capacity	Pass / Fail
1	Face Horizontals	FFTH	132.0	84.2	Pass
1	Handrail	HR-3	132.0	84.8	Pass
1	Internals	GSIP-1	132.0	46.9	Pass
1	Support Arms	SA-2	132.0	45.3	Pass
1	Mount Pipes	MP-1	132.0	42.4	Pass

Structure Rating (max from all components) =	84.8%

Notes:
1) See additional documentation in "Appendix C - Analysis Output" for calculations supporting the % capacity listed.

Table 4 - Tieback Connection Data Table

Tower Connection Node No.	Existing/ Proposed	Resultant End Reaction (lb)	Connected Member Type	Connected Member Size	Member Compressive Capacity (lb)[3]	Notes
-	-	-	-	-	-	-

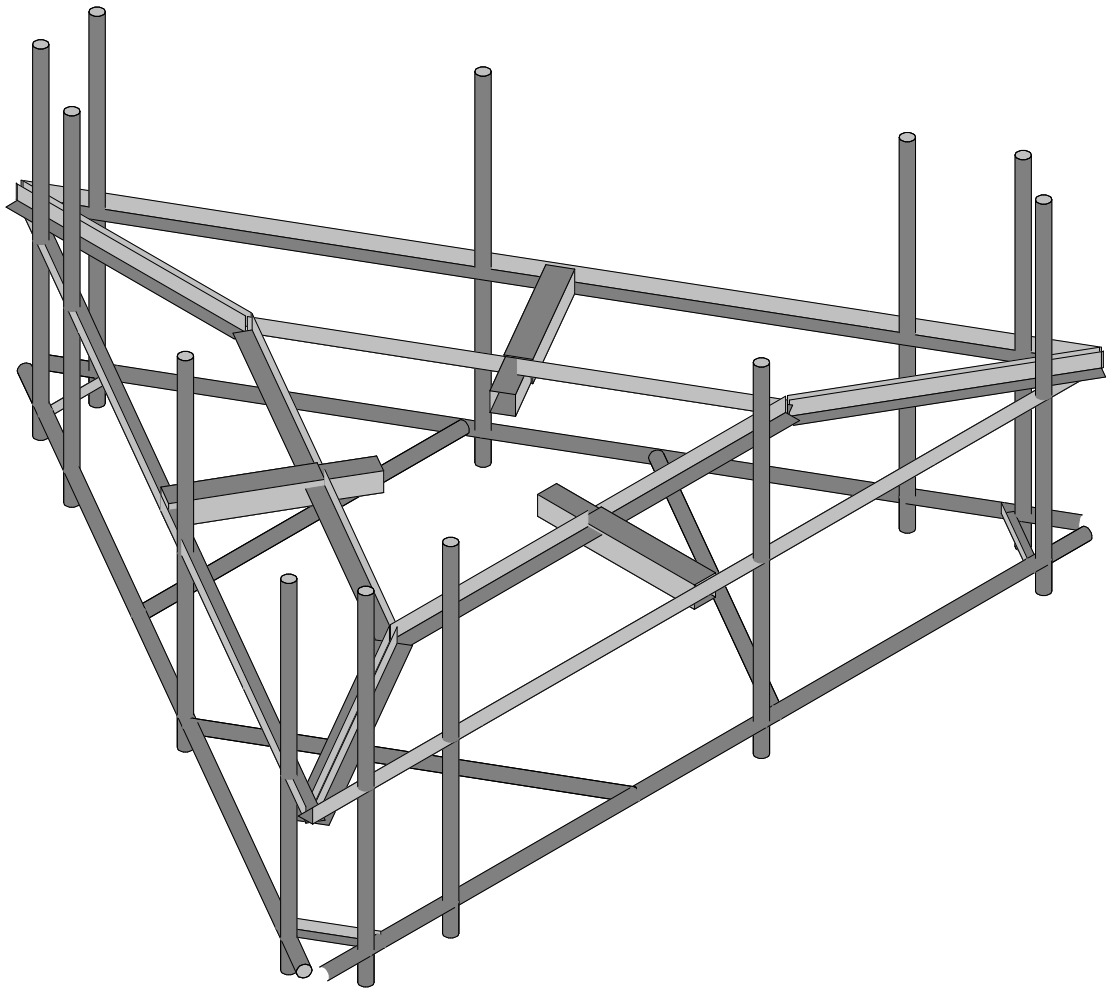
Notes:
1) Tieback connection point is within 25% of either end of the connected tower member.
2) Tower connection point is NOT within 25% of either end of the connected tower member.
3) Reduced member compressive capacity according to CED-STD-10294 *Standard for Installation of Mounts and Appurtenances.*

4.1) Recommendations

1) If the load differs from that described in Table 1 of this report or the provisions of this analysis are found to be invalid, another structural analysis should be performed.
2) The mount and its connection have sufficient capacity to carry the proposed loading configuration. No modifications are required at this time.

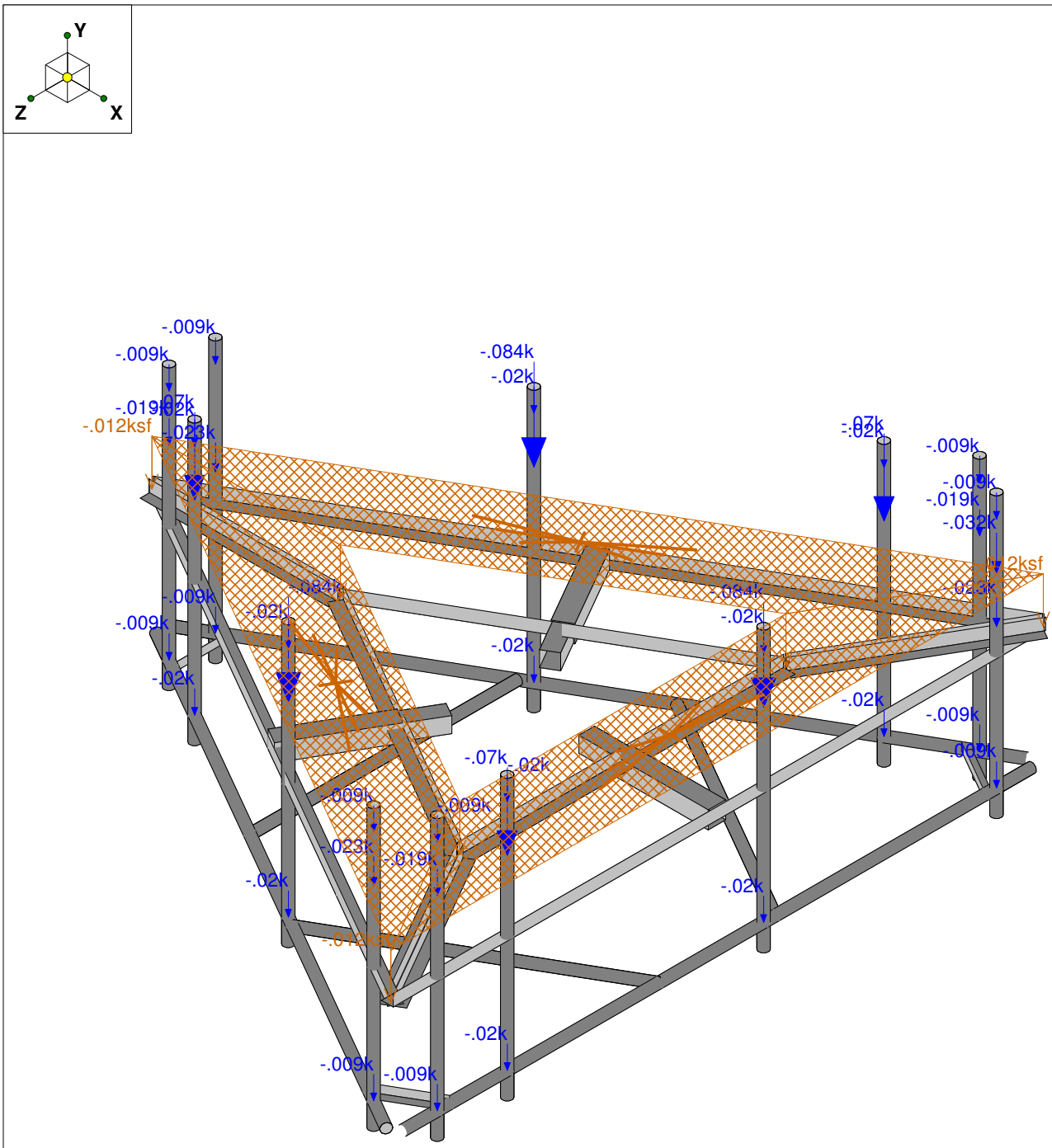
APPENDIX A

WIRE FRAME AND RENDERED MODELS



Envelope Only Solution

Tower Engineering Profes...	CCI BU No. 876334	SK - 2
DC		Oct 30, 2019 at 3:17 PM
TEP No. 25656.317427		Mount Rev H.r3d



Loads: BLC 1, Dead
Envelope Only Solution

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DC		Oct 30, 2019 at 3:18 PM
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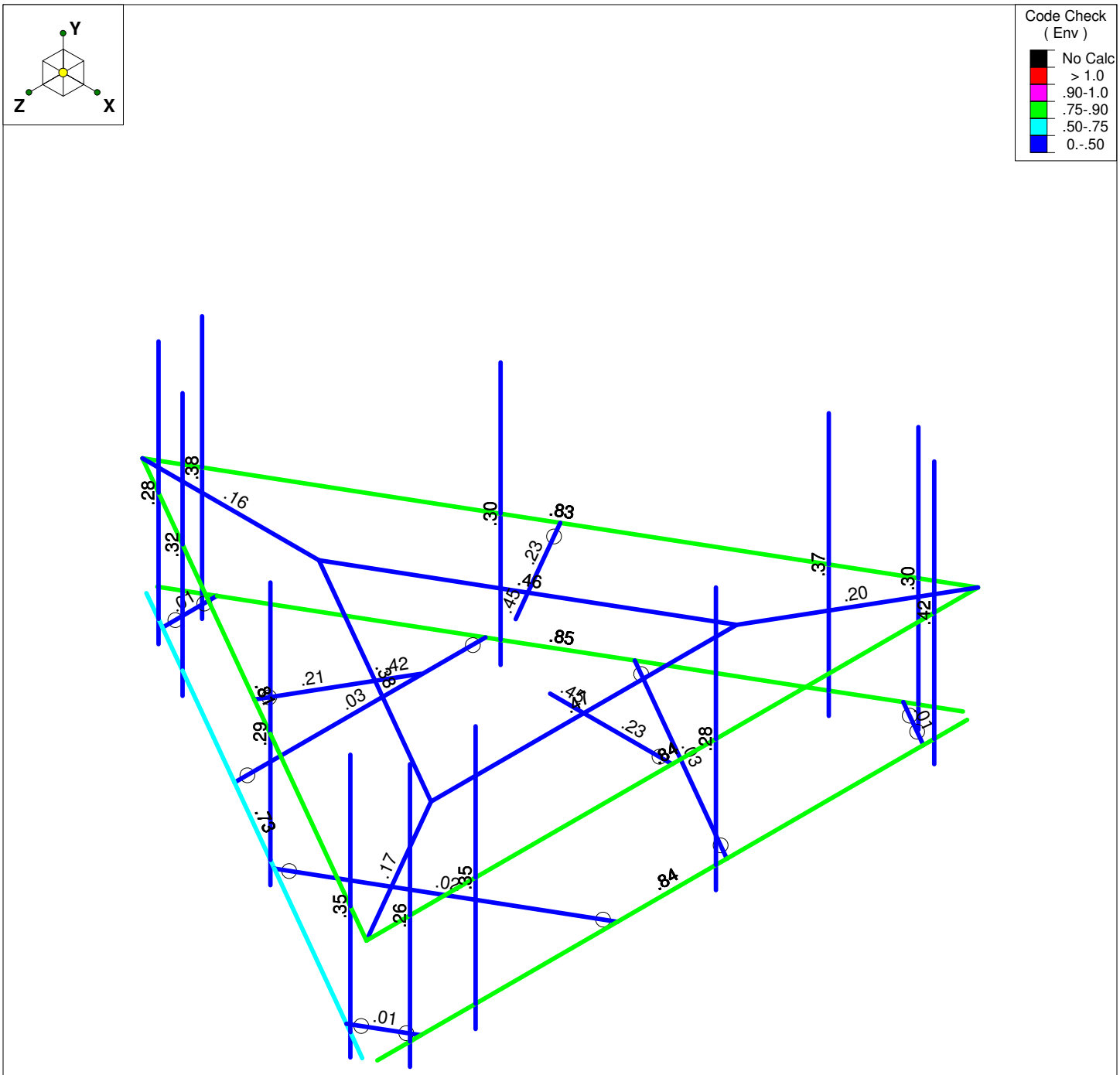

Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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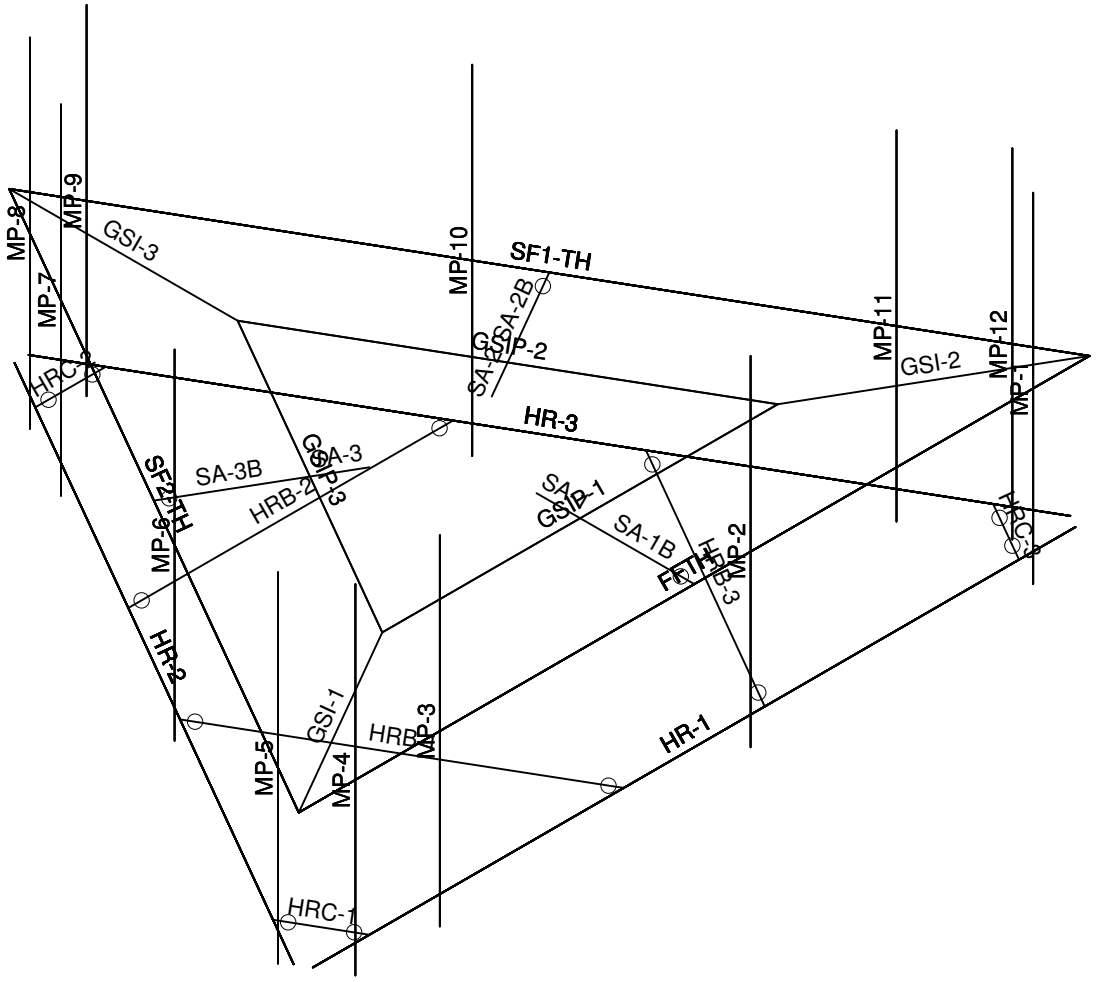

Envelope Only Solution

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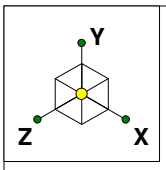

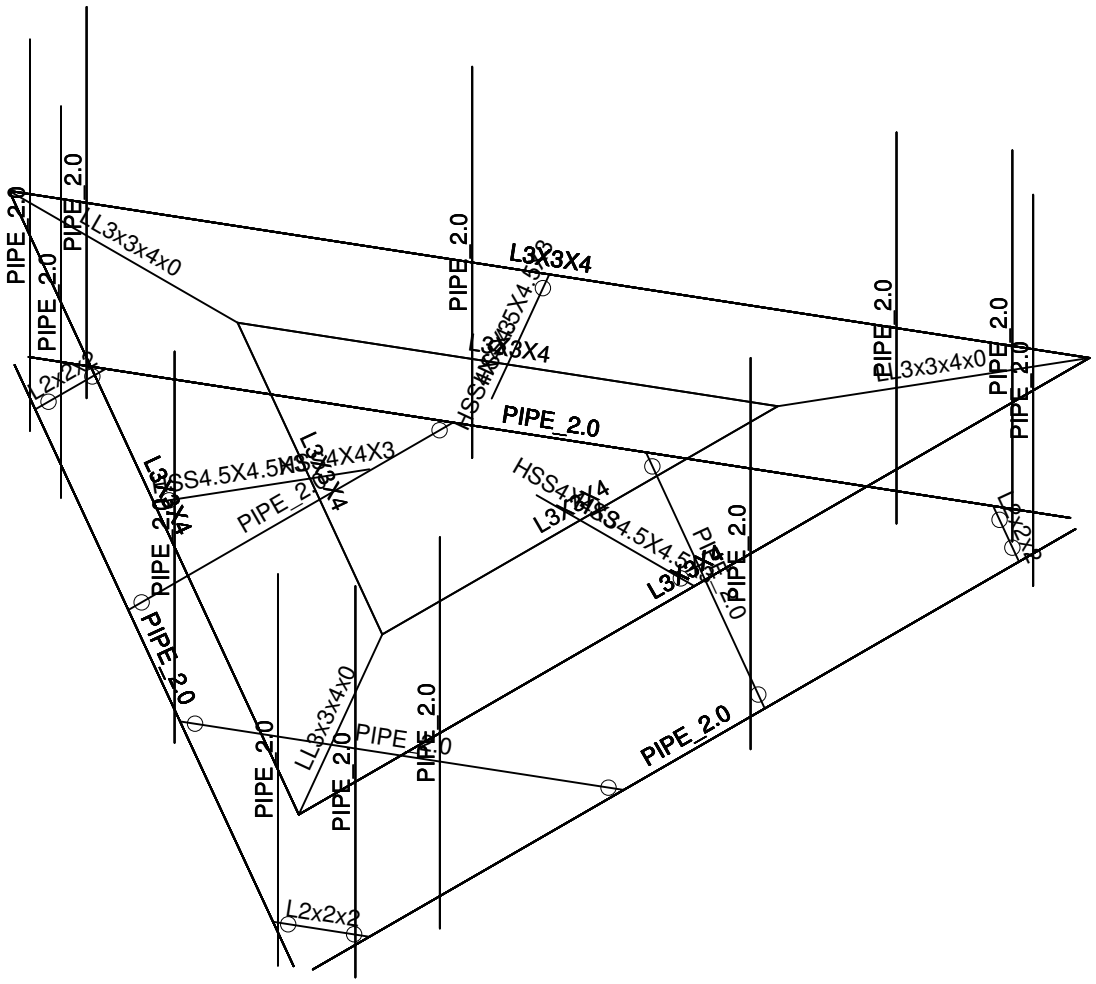

Envelope Only Solution

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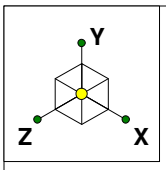
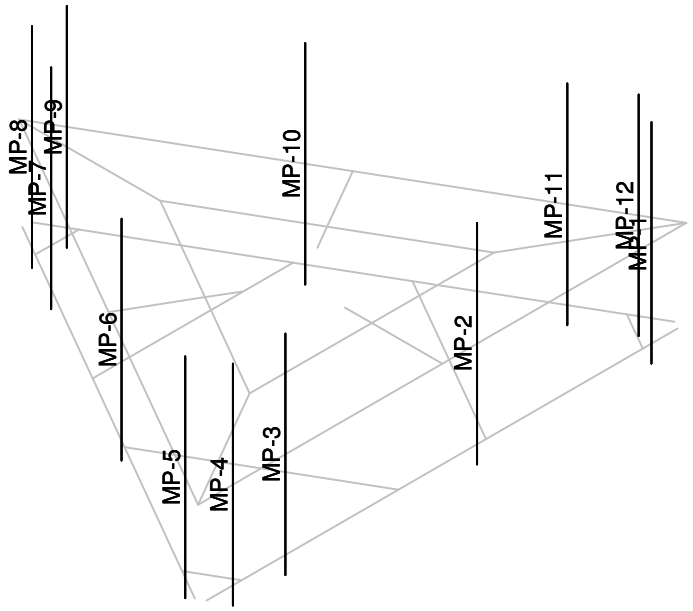
TEP No. 25656.317427		Mount Rev H.r3d





MFR	Model	Height (in)	Width (in)	Depth (in)	Wt. (lbs)	Azimuth°	Qty	Shape	Member Label
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	0.00	1	Flat	MP-1
RFS/CELWAVE	DB-C1-12C-24AB-0Z	29.50	16.50	12.60	32.00	0.00	1	Flat	MP-1
SAMSUNG TELECOMMUNICATIONS	CBRS	16.16	11.39	5.45	23.14	0.00	1	Flat	MP-1
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	0.00	1	Flat	MP-2
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	15.00	10.00	84.40	0.00	1	Flat	MP-2
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	0.00	1	Flat	MP-3
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	15.00	8.10	70.30	0.00	1	Flat	MP-3
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	0.00	1	Flat	MP-4
SAMSUNG TELECOMMUNICATIONS	20W CBRS	12.10	8.50	4.10	18.64	0.00	1	Flat	MP-4
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	120.00	1	Flat	MP-5
SAMSUNG TELECOMMUNICATIONS	CBRS	16.16	11.39	5.45	23.14	120.00	1	Flat	MP-5
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	120.00	1	Flat	MP-6
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	15.00	10.00	84.40	120.00	1	Flat	MP-6
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	120.00	1	Flat	MP-7
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	15.00	8.10	70.30	120.00	1	Flat	MP-7
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	120.00	1	Flat	MP-8
SAMSUNG TELECOMMUNICATIONS	20W CBRS	12.10	8.50	4.10	18.64	120.00	1	Flat	MP-8
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	240.00	1	Flat	MP-9
SAMSUNG TELECOMMUNICATIONS	CBRS	16.16	11.39	5.45	23.14	240.00	1	Flat	MP-9
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	240.00	1	Flat	MP-10
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	15.00	10.00	84.40	240.00	1	Flat	MP-10
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	240.00	1	Flat	MP-11
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	15.00	8.10	70.30	240.00	1	Flat	MP-11
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	240.00	1	Flat	MP-12
SAMSUNG TELECOMMUNICATIONS	20W CBRS	12.10	8.50	4.10	18.64	240.00	1	Flat	MP-12

APPENDIX B

SOFTWARE INPUT CALCULATIONS

TOWER ENGINEERING PROFESSIONALS

CCI BU No.876334

TEP No.	25656.317427	
Analysis By:	DC	10/30/2019
Checked By:	GHM	10/30/2019

Code Revisions:	TIA-222-H	IBC 2015
Tower Type:	Monopole	

Wind Inputs:

Ult. Wind Velocity:	125.0	mph
Live Load Velocity:	30.0	mph
Ice Wind Velocity:	50.0	mph
Base Ice Thickness:	1.00	inches
Mount Centerline:	132.0	ft
Antenna Centerline:	134.0	ft
Exposure Category:	C	
Topo Category:	1	
Risk Category:	II	
Ground Elevation:	296	ft

Wind Calculations:

K_{zt}:	1.000	Section 2.6.6
K_d:	0.950	
$K_{z\text{-}Mount}$:	1.342	Section 2.6.5.2
$K_{z\text{-}Antenna}$:	1.346	Section 2.6.5.2
K_{iz}:	1.150	Section 2.6.10
Ice Thickness:	1.150	inches - Section 2.6.10

Without Ice - (psf)		With Ice - (psf)	
$(q_zG_h)_{Mount}$:	50.44	**$(q_zG_h)_{Mount}$:**	8.07
$(q_zG_h)_{Antenna}$:	50.60	**$(q_zG_h)_{Antenna}$:**	8.10

TOWER ENGINEERING PROFESSIONALS

CCI BU No.876334

TEP No.	25656.317427	
Analysis By:	DC	10/30/2019
Checked By:	GHM	10/30/2019

Antenna Loads are Calculated in Accordance with TIA-222-H

Azimuth is the absolute angle measured clockwise from RISA-3D global X-axis.

										Distance from start node of the member		
MFR	Model	Height (in)	Width (in)	Depth (in)	Wt. (lbs)	Azimuth°	Qty	Shape	Member Label	Location #1 (ft,%)	Location #2 (ft,%)	Location #3 (ft,%)
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	0.00	1	Flat	MP-1	0.50	5.50	
RFS/CELWAVE	DB-C1-12C-24AB-0Z	29.50	16.50	12.60	32.00	0.00	1	Flat	MP-1	1.50		
SAMSUNG TELECOMMUNICATIONS	CBRS	16.16	11.39	5.45	23.14	0.00	1	Flat	MP-1	2.50		
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	0.00	1	Flat	MP-2	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	15.00	10.00	84.40	0.00	1	Flat	MP-2	1.50		
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	0.00	1	Flat	MP-3	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	15.00	8.10	70.30	0.00	1	Flat	MP-3	1.50		
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	0.00	1	Flat	MP-4	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	20W CBRS	12.10	8.50	4.10	18.64	0.00	1	Flat	MP-4	1.50		
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	120.00	1	Flat	MP-5	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	CBRS	16.16	11.39	5.45	23.14	120.00	1	Flat	MP-5	1.50		
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	120.00	1	Flat	MP-6	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	15.00	10.00	84.40	120.00	1	Flat	MP-6	1.50		
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	120.00	1	Flat	MP-7	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	15.00	8.10	70.30	120.00	1	Flat	MP-7	1.50		
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	120.00	1	Flat	MP-8	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	20W CBRS	12.10	8.50	4.10	18.64	120.00	1	Flat	MP-8	1.50		
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	240.00	1	Flat	MP-9	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	CBRS	16.16	11.39	5.45	23.14	240.00	1	Flat	MP-9	2.50		
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	240.00	1	Flat	MP-10	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	15.00	10.00	84.40	240.00	1	Flat	MP-10	1.50		
ANDREW	SBNHH-1D65B	72.00	11.90	7.10	40.60	240.00	1	Flat	MP-11	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	15.00	8.10	70.30	240.00	1	Flat	MP-11	1.50		
ANTEL	BXA-80080-6CF-EDIN-X	71.00	8.00	5.90	18.00	240.00	1	Flat	MP-12	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	20W CBRS	12.10	8.50	4.10	18.64	240.00	1	Flat	MP-12	1.50		

APPENDIX C

SOFTWARE ANALYSIS OUTPUT

Member Forces are Calculated in Accordance with TIA-222-H

Member Name	Wind Proj. (in)	Length (in)	Shape	θ (°)	Perimeter (in)
FFTH	3.000	168.00	Flat	90.00	12.00
GSI-1	6.000	48.50	Flat	-60.00	18.00
GSI-2	6.000	48.50	Flat	60.00	18.00
GSI-3	6.000	48.50	Flat	0.00	18.00
GSIP-1	3.000	84.00	Flat	90.00	12.00
GSIP-2	3.000	84.00	Flat	30.00	12.00
GSIP-3	3.000	84.00	Flat	-30.00	12.00
HR-1	2.375	162.00	Round	90.00	7.46
HR-2	2.375	162.00	Round	-30.00	7.46
HR-3	2.375	162.00	Round	30.00	7.46
HRB-1	2.375	69.00	Round	30.00	7.46
HRB-2	2.375	69.00	Round	90.00	7.46
HRB-3	2.375	69.00	Round	-30.00	7.46
HRC-1	2.000	15.00	Flat	30.00	8.00
HRC-2	2.000	15.00	Flat	90.00	8.00
HRC-3	2.000	15.00	Flat	-30.00	8.00
MP-1	2.375	72.00	Round		7.46
MP-2	2.375	72.00	Round		7.46
MP-3	2.375	72.00	Round		7.46
MP-4	2.375	72.00	Round		7.46
MP-5	2.375	72.00	Round		7.46
MP-6	2.375	72.00	Round		7.46
MP-7	2.375	72.00	Round		7.46
MP-8	2.375	72.00	Round		7.46
MP-9	2.375	72.00	Round		7.46
MP-10	2.375	72.00	Round		7.46
MP-11	2.375	72.00	Round		7.46
MP-12	2.375	72.00	Round		7.46
SA-1	4.000	9.25	Flat	0.00	16.00
SA-1B	4.500	24.25	Flat	0.00	18.00
SA-2	4.000	9.25	Flat	-60.00	16.00
SA-2B	4.500	24.25	Flat	-60.00	18.00
SA-3	4.000	9.25	Flat	60.00	16.00
SA-3B	4.500	24.25	Flat	60.00	18.00
SF1-TH	3.000	168.00	Flat	30.00	12.00
SF2-TH	3.000	168.00	Flat	-30.00	12.00

(Global) Model Settings

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (ft/sec^2)	32.2
Wall Mesh Size (in)	24
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 15th(360-16): LRFD
Adjust Stiffness?	No
RISAConnection Code	None
Cold Formed Steel Code	None
Wood Code	None
Wood Temperature	< 100F
Concrete Code	None
Masonry Code	None
Aluminum Code	None - Building
Stainless Steel Code	None

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	Yes
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

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(Global) Model Settings, Continued

Seismic Code	ASCE 7-10
Seismic Base Elevation (ft)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Drift Cat	Other
Om Z	1
Om X	1
Cd Z	1
Cd X	1
Rho Z	1
Rho X	1

Hot Rolled Steel Properties

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

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horiz	L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
2	Internal 1	L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Internal 2	LL3x3x4x0	Beam	None	A36 Gr.36	Typical	2.88	4.5	2.46	.063
4	Support Arm	HSS4X4X3	Beam	None	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
5	SA 2	HSS4.5X...	Beam	None	A500 Gr.B Rect	Typical	2.93	9.02	9.02	14.4
6	Mount Pipes	PIPE_2.0	Column	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Proposed Handrail	PIPE_2.0	Column	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Proposed Handrail ...	L2x2x2	Column	None	A36 Gr.36	Typical	.491	.189	.189	.003
9	Proposed Brace	PIPE_2.0	Column	None	A53 Gr.B	Typical	1.02	.627	.627	1.25

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	CF1A	8CU1.25X057	Beam	None	A653 SS G...	Typical	.581	.057	4.41	.00063

Material Takeoff

	Material	Size	Pieces	Length[ft]	Weight[K]
1	Hot Rolled Steel				
2	A36 Gr.36	L2x2x2	3	3.7	.006
3	A36 Gr.36	L3X3X4	6	63	.309
4	A36 Gr.36	LL3x3x4x0	3	12.1	.119
5	A500 Gr.B Rect	HSS4.5X4.5X3	3	6.1	.065
6	A500 Gr.B Rect	HSS4X4X3	3	2.3	.022
7	A53 Gr.B	PIPE 2.0	18	129.8	.45
8	Total HR Steel		36	217	.971

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	SA1	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	SA2	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	SA3	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	FFTH	FF1	FF2			Face Horiz	Beam	None	A36 Gr.36	Typical
2	GSI-1	FF2	GSIP1		180	Internal 2	Beam	None	A36 Gr.36	Typical
3	GSI-2	FF1	GSIP2		180	Internal 2	Beam	None	A36 Gr.36	Typical
4	GSI-3	FF5	GSIP3		180	Internal 2	Beam	None	A36 Gr.36	Typical
5	GSIP-1	GSIP1	GSIP2			Internal 1	Beam	None	A36 Gr.36	Typical
6	GSIP-2	GSIP2	GSIP3			Internal 1	Beam	None	A36 Gr.36	Typical
7	GSIP-3	GSIP3	GSIP1			Internal 1	Beam	None	A36 Gr.36	Typical
8	HR-1	N59	N58			Proposed Handrail	Column	None	A53 Gr.B	Typical
9	HR-2	N89	N63			Proposed Handrail	Column	None	A53 Gr.B	Typical
10	HR-3	N61	N88			Proposed Handrail	Column	None	A53 Gr.B	Typical
11	HRB-1	N87	N82			Proposed Brace	Column	None	A53 Gr.B	Typical
12	HRB-2	N85	N86			Proposed Brace	Column	None	A53 Gr.B	Typical
13	HRB-3	N83	N84			Proposed Brace	Column	None	A53 Gr.B	Typical
14	HRC-1	N69	N64			Proposed Handrail CNX	Column	None	A36 Gr.36	Typical
15	HRC-2	N67	N68			Proposed Handrail CNX	Column	None	A36 Gr.36	Typical
16	HRC-3	N65	N66			Proposed Handrail CNX	Column	None	A36 Gr.36	Typical
17	MP-1	MP-1A	MP-1B			Mount Pipes	Column	None	A53 Gr.B	Typical
18	MP-2	MP-2A	MP-2B			Mount Pipes	Column	None	A53 Gr.B	Typical
19	MP-3	MP-3A	MP-3B			Mount Pipes	Column	None	A53 Gr.B	Typical
20	MP-4	MP-4A	MP-4B			Mount Pipes	Column	None	A53 Gr.B	Typical
21	MP-5	MP-9A	MP-9B			Mount Pipes	Column	None	A53 Gr.B	Typical
22	MP-6	MP-10A	MP-10B			Mount Pipes	Column	None	A53 Gr.B	Typical
23	MP-7	MP-11A	MP-11B			Mount Pipes	Column	None	A53 Gr.B	Typical
24	MP-8	MP-12A	MP-12B			Mount Pipes	Column	None	A53 Gr.B	Typical
25	MP-9	MP-17A	MP-17B			Mount Pipes	Column	None	A53 Gr.B	Typical
26	MP-10	MP-18A	MP-18B			Mount Pipes	Column	None	A53 Gr.B	Typical
27	MP-11	MP-19A	MP-19B			Mount Pipes	Column	None	A53 Gr.B	Typical
28	MP-12	MP-20A	MP-20B			Mount Pipes	Column	None	A53 Gr.B	Typical
29	SA-1	SA1	N55			Support Arm	Beam	None	A500 Gr....	Typical
30	SA-1B	N55	SA4			SA 2	Beam	None	A500 Gr....	Typical
31	SA-2	SA2	N56			Support Arm	Beam	None	A500 Gr....	Typical
32	SA-2B	N56	SA5			SA 2	Beam	None	A500 Gr....	Typical
33	SA-3	SA3	N57			Support Arm	Beam	None	A500 Gr....	Typical
34	SA-3B	N57	SA6			SA 2	Beam	None	A500 Gr....	Typical
35	SF1-TH	FF5	FF1			Face Horiz	Beam	None	A36 Gr.36	Typical
36	SF2-TH	FF2	FF5			Face Horiz	Beam	None	A36 Gr.36	Typical

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Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Opti...	Analysis ...	Inactive	Seismic...
1	FFTH						Yes				None
2	GSI-1						Yes				None
3	GSI-2						Yes				None
4	GSI-3						Yes				None
5	GSIP-1						Yes				None
6	GSIP-2						Yes				None
7	GSIP-3						Yes				None
8	HR-1						Yes	** NA **			None
9	HR-2						Yes	** NA **			None
10	HR-3						Yes	** NA **			None
11	HRB-1	BenPIN	BenPIN				Yes	** NA **			None
12	HRB-2	BenPIN	BenPIN				Yes	** NA **			None
13	HRB-3	BenPIN	BenPIN				Yes	** NA **			None
14	HRC-1	BenPIN	BenPIN				Yes	** NA **			None
15	HRC-2	BenPIN	BenPIN				Yes	** NA **			None
16	HRC-3	BenPIN	BenPIN				Yes	** NA **			None
17	MP-1						Yes	** NA **			None
18	MP-2						Yes	** NA **			None
19	MP-3						Yes	** NA **			None
20	MP-4						Yes	** NA **			None
21	MP-5						Yes	** NA **			None
22	MP-6						Yes	** NA **			None
23	MP-7						Yes	** NA **			None
24	MP-8						Yes	** NA **			None
25	MP-9						Yes	** NA **			None
26	MP-10						Yes	** NA **			None
27	MP-11						Yes	** NA **			None
28	MP-12						Yes	** NA **			None
29	SA-1						Yes				None
30	SA-1B		BenPIN				Yes				None
31	SA-2						Yes				None
32	SA-2B		BenPIN				Yes				None
33	SA-3						Yes				None
34	SA-3B		BenPIN				Yes				None
35	SF1-TH						Yes				None
36	SF2-TH						Yes				None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[...	L-torq...	Kyy	Kzz	Cb	Function
1	FFTH	Face Horiz	14		7				1	1		Lateral
2	GSI-1	Internal 2	4.042						1	1		Lateral
3	GSI-2	Internal 2	4.042						1	1		Lateral
4	GSI-3	Internal 2	4.042						1	1		Lateral
5	GSIP-1	Internal 1	7		3.5				1	1		Lateral
6	GSIP-2	Internal 1	7		3.5				1	1		Lateral
7	GSIP-3	Internal 1	7		3.5				1	1		Lateral
8	HR-1	Proposed ...	13.5						2.1	2.1		Lateral
9	HR-2	Proposed ...	13.5						2.1	2.1		Lateral
10	HR-3	Proposed ...	13.5						2.1	2.1		Lateral
11	HRB-1	Proposed ...	5.75						1	1		Lateral
12	HRB-2	Proposed ...	5.75						1	1		Lateral
13	HRB-3	Proposed ...	5.75						1	1		Lateral
14	HRC-1	Proposed ...	1.25						1	1		Lateral
15	HRC-2	Proposed ...	1.25						1	1		Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[...	L-torq...	Kyy	Kzz	Cb	Function
16	HRC-3	Proposed ...	1.25						1	1		Lateral
17	MP-1	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
18	MP-2	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
19	MP-3	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
20	MP-4	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
21	MP-5	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
22	MP-6	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
23	MP-7	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
24	MP-8	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
25	MP-9	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
26	MP-10	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
27	MP-11	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
28	MP-12	Mount Pipes	6	Segment	Segment				2.1	2.1		Lateral
29	SA-1	Support Arm	.771						2.1	2.1		Lateral
30	SA-1B	SA 2	2.021						2.1	2.1		Lateral
31	SA-2	Support Arm	.771						2.1	2.1		Lateral
32	SA-2B	SA 2	2.021						2.1	2.1		Lateral
33	SA-3	Support Arm	.771						2.1	2.1		Lateral
34	SA-3B	SA 2	2.021						2.1	2.1		Lateral
35	SF1-TH	Face Horiz	14		7				1	1		Lateral
36	SF2-TH	Face Horiz	14		7				1	1		Lateral

Cold Formed Steel Design Parameters

Label	Shape	Length...	Lbyy[ft]	Lbzz[ft]	Lcomp to...	Lcomp b...	Kyy	Kzz	Cm-yy	Cm-zz	Cb	R	y sway	z sway
No Data to Print ...														

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead	None		-1			37		3	
2	0 Wind - No Ice	None					37	36		
3	30 Wind - No Ice	None					74	72		
4	45 Wind - No Ice	None					74	72		
5	60 Wind - No Ice	None					74	72		
6	90 Wind - No Ice	None					37	36		
7	120 Wind - No Ice	None					74	72		
8	135 Wind - No Ice	None					74	72		
9	150 Wind - No Ice	None					74	72		
10	180 Wind - No Ice	None					37	36		
11	210 Wind - No Ice	None					74	72		
12	225 Wind - No Ice	None					74	72		
13	240 Wind - No Ice	None					74	72		
14	270 Wind - No Ice	None					37	36		
15	300 Wind - No Ice	None					74	72		
16	315 Wind - No Ice	None					74	72		
17	330 Wind - No Ice	None					74	72		
18	Ice Weight	None					37	36	3	
19	0 Wind - Ice	None					37	36		
20	30 Wind - Ice	None					74	72		
21	45 Wind - Ice	None					74	72		
22	60 Wind - Ice	None					74	72		
23	90 Wind - Ice	None					37	36		
24	120 Wind - Ice	None					74	72		
25	135 Wind - Ice	None					74	72		
26	150 Wind - Ice	None					74	72		

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Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
27	180 Wind - Ice	None					37	36		
28	210 Wind - Ice	None					74	72		
29	225 Wind - Ice	None					74	72		
30	240 Wind - Ice	None					74	72		
31	270 Wind - Ice	None					37	36		
32	300 Wind - Ice	None					74	72		
33	315 Wind - Ice	None					74	72		
34	330 Wind - Ice	None					74	72		
35	Lm	None				1				
36	Lv	None				1				
37	BLC 1 Transient Area...	None						32		
38	BLC 18 Transient Are...	None						32		

Load Combinations

	Description	Solve	PDelta	S...	BLC	Fa...	BLC	Factor	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4D	Yes	Y		1	1.4																		
2	0.9D+1.0 0-W...	Yes	Y		1	.9	2	1																
3	0.9D+1.0 30-...	Yes	Y		1	.9	3	1																
4	0.9D+1.0 45-...	Yes	Y		1	.9	4	1																
5	0.9D+1.0 60-...	Yes	Y		1	.9	5	1																
6	0.9D+1.0 90-...	Yes	Y		1	.9	6	1																
7	0.9D+1.0 120...	Yes	Y		1	.9	7	1																
8	0.9D+1.0 135...	Yes	Y		1	.9	8	1																
9	0.9D+1.0 150...	Yes	Y		1	.9	9	1																
10	0.9D+1.0 180...	Yes	Y		1	.9	10	1																
11	0.9D+1.0 210...	Yes	Y		1	.9	11	1																
12	0.9D+1.0 225...	Yes	Y		1	.9	12	1																
13	0.9D+1.0 240...	Yes	Y		1	.9	13	1																
14	0.9D+1.0 270...	Yes	Y		1	.9	14	1																
15	0.9D+1.0 300...	Yes	Y		1	.9	15	1																
16	0.9D+1.0 315...	Yes	Y		1	.9	16	1																
17	0.9D+1.0 330...	Yes	Y		1	.9	17	1																
18	1.2D+1.0 0-W...	Yes	Y		1	1.2	2	1																
19	1.2D+1.0 30-...	Yes	Y		1	1.2	3	1																
20	1.2D+1.0 45-...	Yes	Y		1	1.2	4	1																
21	1.2D+1.0 60-...	Yes	Y		1	1.2	5	1																
22	1.2D+1.0 90-...	Yes	Y		1	1.2	6	1																
23	1.2D+1.0 120...	Yes	Y		1	1.2	7	1																
24	1.2D+1.0 135...	Yes	Y		1	1.2	8	1																
25	1.2D+1.0 150...	Yes	Y		1	1.2	9	1																
26	1.2D+1.0 180...	Yes	Y		1	1.2	10	1																
27	1.2D+1.0 210...	Yes	Y		1	1.2	11	1																
28	1.2D+1.0 225...	Yes	Y		1	1.2	12	1																
29	1.2D+1.0 240...	Yes	Y		1	1.2	13	1																
30	1.2D+1.0 270...	Yes	Y		1	1.2	14	1																
31	1.2D+1.0 300...	Yes	Y		1	1.2	15	1																
32	1.2D+1.0 315...	Yes	Y		1	1.2	16	1																
33	1.2D+1.0 330...	Yes	Y		1	1.2	17	1																
34	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	19	1														
35	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	20	1														
36	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	21	1														
37	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	22	1														
38	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	23	1														
39	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	24	1														
40	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	25	1														

Load Combinations (Continued)

	Description	Solve	PDelta	S...	BLC	Fa...	BLC	Factor	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
41	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	26	1														
42	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	27	1														
43	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	28	1														
44	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	29	1														
45	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	30	1														
46	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	31	1														
47	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	32	1														
48	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	33	1														
49	1.2D+1.0Di+1...	Yes	Y		1	1.2	18	1	34	1														
50	1.2D+1.5Lv	Yes	Y		36	1.5	1	1.2																
51	1.2D+1.5Lm+...	Yes	Y		1	1.2	2	.058	35	1.5														
52	1.2D+1.5Lm+...	Yes	Y		1	1.2	3	.058	35	1.5														
53	1.2D+1.5Lm+...	Yes	Y		1	1.2	4	.058	35	1.5														
54	1.2D+1.5Lm+...	Yes	Y		1	1.2	5	.058	35	1.5														
55	1.2D+1.5Lm+...	Yes	Y		1	1.2	6	.058	35	1.5														
56	1.2D+1.5Lm+...	Yes	Y		1	1.2	7	.058	35	1.5														
57	1.2D+1.5Lm+...	Yes	Y		1	1.2	8	.058	35	1.5														
58	1.2D+1.5Lm+...	Yes	Y		1	1.2	9	.058	35	1.5														
59	1.2D+1.5Lm+...	Yes	Y		1	1.2	10	.058	35	1.5														
60	1.2D+1.5Lm+...	Yes	Y		1	1.2	11	.058	35	1.5														
61	1.2D+1.5Lm+...	Yes	Y		1	1.2	12	.058	35	1.5														
62	1.2D+1.5Lm+...	Yes	Y		1	1.2	13	.058	35	1.5														
63	1.2D+1.5Lm+...	Yes	Y		1	1.2	14	.058	35	1.5														
64	1.2D+1.5Lm+...	Yes	Y		1	1.2	15	.058	35	1.5														
65	1.2D+1.5Lm+...	Yes	Y		1	1.2	16	.058	35	1.5														
66	1.2D+1.5Lm+...	Yes	Y		1	1.2	17	.058	35	1.5														

Joint Loads and Enforced Displacements (BLC 35 : Lm)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft...
1	X1	L	Y	-.5

Joint Loads and Enforced Displacements (BLC 36 : Lv)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft...
1	FF1	L	Y	-.25

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.009	.5
2	MP-1	Y	-.032	1.5
3	MP-1	Y	-.023	2.5
4	MP-2	Y	-.02	.5
5	MP-2	Y	-.084	1.5
6	MP-3	Y	-.02	.5
7	MP-3	Y	-.07	1.5
8	MP-4	Y	-.009	.5
9	MP-4	Y	-.019	1.5
10	MP-5	Y	-.009	.5
11	MP-5	Y	-.023	1.5
12	MP-6	Y	-.02	.5
13	MP-6	Y	-.084	1.5
14	MP-7	Y	-.02	.5
15	MP-7	Y	-.07	1.5
16	MP-8	Y	-.009	.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 1 : Dead) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP-8	Y	-.019	1.5
18	MP-9	Y	-.009	.5
19	MP-9	Y	-.023	2.5
20	MP-10	Y	-.02	.5
21	MP-10	Y	-.084	1.5
22	MP-11	Y	-.02	.5
23	MP-11	Y	-.07	1.5
24	MP-12	Y	-.009	.5
25	MP-12	Y	-.019	1.5
26	MP-1	Y	-.009	5.5
27	MP-2	Y	-.02	5.5
28	MP-3	Y	-.02	5.5
29	MP-4	Y	-.009	5.5
30	MP-5	Y	-.009	5.5
31	MP-6	Y	-.02	5.5
32	MP-7	Y	-.02	5.5
33	MP-8	Y	-.009	5.5
34	MP-9	Y	-.009	5.5
35	MP-10	Y	-.02	5.5
36	MP-11	Y	-.02	5.5
37	MP-12	Y	-.009	5.5

Member Point Loads (BLC 2 : 0 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.131	.5
2	MP-1	X	-.185	1.5
3	MP-1	X	-.07	2.5
4	MP-2	X	-.095	.5
5	MP-2	X	-.085	1.5
6	MP-3	X	-.095	.5
7	MP-3	X	-.085	1.5
8	MP-4	X	-.131	.5
9	MP-4	X	-.039	1.5
10	MP-5	X	-.111	.5
11	MP-5	X	-.043	1.5
12	MP-6	X	-.066	.5
13	MP-6	X	-.064	1.5
14	MP-7	X	-.066	.5
15	MP-7	X	-.056	1.5
16	MP-8	X	-.111	.5
17	MP-8	X	-.024	1.5
18	MP-9	X	-.111	.5
19	MP-9	X	-.043	2.5
20	MP-10	X	-.066	.5
21	MP-10	X	-.064	1.5
22	MP-11	X	-.066	.5
23	MP-11	X	-.056	1.5
24	MP-12	X	-.111	.5
25	MP-12	X	-.024	1.5
26	MP-1	X	-.131	5.5
27	MP-2	X	-.095	5.5
28	MP-3	X	-.095	5.5
29	MP-4	X	-.131	5.5
30	MP-5	X	-.111	5.5
31	MP-6	X	-.066	5.5
32	MP-7	X	-.066	5.5

Member Point Loads (BLC 2 : 0 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP-8	X	-.111	5.5
34	MP-9	X	-.111	5.5
35	MP-10	X	-.066	5.5
36	MP-11	X	-.066	5.5
37	MP-12	X	-.111	5.5

Member Point Loads (BLC 3 : 30 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.108	.5
2	MP-1	X	-.151	1.5
3	MP-1	X	-.053	2.5
4	MP-2	X	-.074	.5
5	MP-2	X	-.068	1.5
6	MP-3	X	-.074	.5
7	MP-3	X	-.065	1.5
8	MP-4	X	-.108	.5
9	MP-4	X	-.029	1.5
10	MP-5	X	-.09	.5
11	MP-5	X	-.029	1.5
12	MP-6	X	-.049	.5
13	MP-6	X	-.049	1.5
14	MP-7	X	-.049	.5
15	MP-7	X	-.04	1.5
16	MP-8	X	-.09	.5
17	MP-8	X	-.017	1.5
18	MP-9	X	-.108	.5
19	MP-9	X	-.053	2.5
20	MP-10	X	-.074	.5
21	MP-10	X	-.068	1.5
22	MP-11	X	-.074	.5
23	MP-11	X	-.065	1.5
24	MP-12	X	-.108	.5
25	MP-12	X	-.029	1.5
26	MP-1	X	-.108	5.5
27	MP-2	X	-.074	5.5
28	MP-3	X	-.074	5.5
29	MP-4	X	-.108	5.5
30	MP-5	X	-.09	5.5
31	MP-6	X	-.049	5.5
32	MP-7	X	-.049	5.5
33	MP-8	X	-.09	5.5
34	MP-9	X	-.108	5.5
35	MP-10	X	-.074	5.5
36	MP-11	X	-.074	5.5
37	MP-12	X	-.108	5.5
38	MP-1	Z	-.062	.5
39	MP-1	Z	-.087	1.5
40	MP-1	Z	-.03	2.5
41	MP-2	Z	-.043	.5
42	MP-2	Z	-.039	1.5
43	MP-3	Z	-.043	.5
44	MP-3	Z	-.038	1.5
45	MP-4	Z	-.062	.5
46	MP-4	Z	-.017	1.5
47	MP-5	Z	-.052	.5
48	MP-5	Z	-.017	1.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 3 : 30 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
49	MP-6	Z	-.028	.5
50	MP-6	Z	-.028	1.5
51	MP-7	Z	-.028	.5
52	MP-7	Z	-.023	1.5
53	MP-8	Z	-.052	.5
54	MP-8	Z	-.01	1.5
55	MP-9	Z	-.062	.5
56	MP-9	Z	-.03	2.5
57	MP-10	Z	-.043	.5
58	MP-10	Z	-.039	1.5
59	MP-11	Z	-.043	.5
60	MP-11	Z	-.038	1.5
61	MP-12	Z	-.062	.5
62	MP-12	Z	-.017	1.5
63	MP-1	Z	-.062	5.5
64	MP-2	Z	-.043	5.5
65	MP-3	Z	-.043	5.5
66	MP-4	Z	-.062	5.5
67	MP-5	Z	-.052	5.5
68	MP-6	Z	-.028	5.5
69	MP-7	Z	-.028	5.5
70	MP-8	Z	-.052	5.5
71	MP-9	Z	-.062	5.5
72	MP-10	Z	-.043	5.5
73	MP-11	Z	-.043	5.5
74	MP-12	Z	-.062	5.5

Member Point Loads (BLC 4 : 45 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.083	.5
2	MP-1	X	-.115	1.5
3	MP-1	X	-.037	2.5
4	MP-2	X	-.054	.5
5	MP-2	X	-.05	1.5
6	MP-3	X	-.054	.5
7	MP-3	X	-.046	1.5
8	MP-4	X	-.083	.5
9	MP-4	X	-.021	1.5
10	MP-5	X	-.075	.5
11	MP-5	X	-.026	1.5
12	MP-6	X	-.042	.5
13	MP-6	X	-.042	1.5
14	MP-7	X	-.042	.5
15	MP-7	X	-.034	1.5
16	MP-8	X	-.075	.5
17	MP-8	X	-.014	1.5
18	MP-9	X	-.092	.5
19	MP-9	X	-.048	2.5
20	MP-10	X	-.065	.5
21	MP-10	X	-.059	1.5
22	MP-11	X	-.065	.5
23	MP-11	X	-.059	1.5
24	MP-12	X	-.092	.5
25	MP-12	X	-.027	1.5
26	MP-1	X	-.083	5.5
27	MP-2	X	-.054	5.5

Member Point Loads (BLC 4 : 45 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP-3	X	-.054	5.5
29	MP-4	X	-.083	5.5
30	MP-5	X	-.075	5.5
31	MP-6	X	-.042	5.5
32	MP-7	X	-.042	5.5
33	MP-8	X	-.075	5.5
34	MP-9	X	-.092	5.5
35	MP-10	X	-.065	5.5
36	MP-11	X	-.065	5.5
37	MP-12	X	-.092	5.5
38	MP-1	Z	-.083	.5
39	MP-1	Z	-.115	1.5
40	MP-1	Z	-.037	2.5
41	MP-2	Z	-.054	.5
42	MP-2	Z	-.05	1.5
43	MP-3	Z	-.054	.5
44	MP-3	Z	-.046	1.5
45	MP-4	Z	-.083	.5
46	MP-4	Z	-.021	1.5
47	MP-5	Z	-.075	.5
48	MP-5	Z	-.026	1.5
49	MP-6	Z	-.042	.5
50	MP-6	Z	-.042	1.5
51	MP-7	Z	-.042	.5
52	MP-7	Z	-.034	1.5
53	MP-8	Z	-.075	.5
54	MP-8	Z	-.014	1.5
55	MP-9	Z	-.092	.5
56	MP-9	Z	-.048	2.5
57	MP-10	Z	-.065	.5
58	MP-10	Z	-.059	1.5
59	MP-11	Z	-.065	.5
60	MP-11	Z	-.059	1.5
61	MP-12	Z	-.092	.5
62	MP-12	Z	-.027	1.5
63	MP-1	Z	-.083	5.5
64	MP-2	Z	-.054	5.5
65	MP-3	Z	-.054	5.5
66	MP-4	Z	-.083	5.5
67	MP-5	Z	-.075	5.5
68	MP-6	Z	-.042	5.5
69	MP-7	Z	-.042	5.5
70	MP-8	Z	-.075	5.5
71	MP-9	Z	-.092	5.5
72	MP-10	Z	-.065	5.5
73	MP-11	Z	-.065	5.5
74	MP-12	Z	-.092	5.5

Member Point Loads (BLC 5 : 60 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.055	.5
2	MP-1	X	-.076	1.5
3	MP-1	X	-.021	2.5
4	MP-2	X	-.033	.5
5	MP-2	X	-.032	1.5
6	MP-3	X	-.033	.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
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Model Name : CCI BU No. 876334

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Member Point Loads (BLC 5 : 60 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
7	MP-3	X	-.028	1.5
8	MP-4	X	-.055	.5
9	MP-4	X	-.012	1.5
10	MP-5	X	-.055	.5
11	MP-5	X	-.021	1.5
12	MP-6	X	-.033	.5
13	MP-6	X	-.032	1.5
14	MP-7	X	-.033	.5
15	MP-7	X	-.028	1.5
16	MP-8	X	-.055	.5
17	MP-8	X	-.012	1.5
18	MP-9	X	-.066	.5
19	MP-9	X	-.035	2.5
20	MP-10	X	-.047	.5
21	MP-10	X	-.043	1.5
22	MP-11	X	-.047	.5
23	MP-11	X	-.043	1.5
24	MP-12	X	-.066	.5
25	MP-12	X	-.02	1.5
26	MP-1	X	-.055	5.5
27	MP-2	X	-.033	5.5
28	MP-3	X	-.033	5.5
29	MP-4	X	-.055	5.5
30	MP-5	X	-.055	5.5
31	MP-6	X	-.033	5.5
32	MP-7	X	-.033	5.5
33	MP-8	X	-.055	5.5
34	MP-9	X	-.066	5.5
35	MP-10	X	-.047	5.5
36	MP-11	X	-.047	5.5
37	MP-12	X	-.066	5.5
38	MP-1	Z	-.096	.5
39	MP-1	Z	-.132	1.5
40	MP-1	Z	-.037	2.5
41	MP-2	Z	-.057	.5
42	MP-2	Z	-.055	1.5
43	MP-3	Z	-.057	.5
44	MP-3	Z	-.048	1.5
45	MP-4	Z	-.096	.5
46	MP-4	Z	-.021	1.5
47	MP-5	Z	-.096	.5
48	MP-5	Z	-.037	1.5
49	MP-6	Z	-.057	.5
50	MP-6	Z	-.055	1.5
51	MP-7	Z	-.057	.5
52	MP-7	Z	-.048	1.5
53	MP-8	Z	-.096	.5
54	MP-8	Z	-.021	1.5
55	MP-9	Z	-.114	.5
56	MP-9	Z	-.06	2.5
57	MP-10	Z	-.082	.5
58	MP-10	Z	-.074	1.5
59	MP-11	Z	-.082	.5
60	MP-11	Z	-.074	1.5
61	MP-12	Z	-.114	.5
62	MP-12	Z	-.034	1.5
63	MP-1	Z	-.096	5.5

Member Point Loads (BLC 5 : 60 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
64	MP-2	Z	-.057	5.5
65	MP-3	Z	-.057	5.5
66	MP-4	Z	-.096	5.5
67	MP-5	Z	-.096	5.5
68	MP-6	Z	-.057	5.5
69	MP-7	Z	-.057	5.5
70	MP-8	Z	-.096	5.5
71	MP-9	Z	-.114	5.5
72	MP-10	Z	-.082	5.5
73	MP-11	Z	-.082	5.5
74	MP-12	Z	-.114	5.5

Member Point Loads (BLC 6 : 90 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.104	.5
2	MP-1	Z	-.141	1.5
3	MP-1	Z	-.034	2.5
4	MP-2	Z	-.057	.5
5	MP-2	Z	-.057	1.5
6	MP-3	Z	-.057	.5
7	MP-3	Z	-.046	1.5
8	MP-4	Z	-.104	.5
9	MP-4	Z	-.019	1.5
10	MP-5	Z	-.124	.5
11	MP-5	Z	-.061	1.5
12	MP-6	Z	-.085	.5
13	MP-6	Z	-.078	1.5
14	MP-7	Z	-.085	.5
15	MP-7	Z	-.076	1.5
16	MP-8	Z	-.124	.5
17	MP-8	Z	-.034	1.5
18	MP-9	Z	-.124	.5
19	MP-9	Z	-.061	2.5
20	MP-10	Z	-.085	.5
21	MP-10	Z	-.078	1.5
22	MP-11	Z	-.085	.5
23	MP-11	Z	-.076	1.5
24	MP-12	Z	-.124	.5
25	MP-12	Z	-.034	1.5
26	MP-1	Z	-.104	5.5
27	MP-2	Z	-.057	5.5
28	MP-3	Z	-.057	5.5
29	MP-4	Z	-.104	5.5
30	MP-5	Z	-.124	5.5
31	MP-6	Z	-.085	5.5
32	MP-7	Z	-.085	5.5
33	MP-8	Z	-.124	5.5
34	MP-9	Z	-.124	5.5
35	MP-10	Z	-.085	5.5
36	MP-11	Z	-.085	5.5
37	MP-12	Z	-.124	5.5

Member Point Loads (BLC 7 : 120 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.055	.5
2	MP-1	X	.076	1.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
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Member Point Loads (BLC 7 : 120 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
3	MP-1	X	.021	2.5
4	MP-2	X	.033	.5
5	MP-2	X	.032	1.5
6	MP-3	X	.033	.5
7	MP-3	X	.028	1.5
8	MP-4	X	.055	.5
9	MP-4	X	.012	1.5
10	MP-5	X	.066	.5
11	MP-5	X	.035	1.5
12	MP-6	X	.047	.5
13	MP-6	X	.043	1.5
14	MP-7	X	.047	.5
15	MP-7	X	.043	1.5
16	MP-8	X	.066	.5
17	MP-8	X	.02	1.5
18	MP-9	X	.055	.5
19	MP-9	X	.021	2.5
20	MP-10	X	.033	.5
21	MP-10	X	.032	1.5
22	MP-11	X	.033	.5
23	MP-11	X	.028	1.5
24	MP-12	X	.055	.5
25	MP-12	X	.012	1.5
26	MP-1	X	.055	5.5
27	MP-2	X	.033	5.5
28	MP-3	X	.033	5.5
29	MP-4	X	.055	5.5
30	MP-5	X	.066	5.5
31	MP-6	X	.047	5.5
32	MP-7	X	.047	5.5
33	MP-8	X	.066	5.5
34	MP-9	X	.055	5.5
35	MP-10	X	.033	5.5
36	MP-11	X	.033	5.5
37	MP-12	X	.055	5.5
38	MP-1	Z	-.096	.5
39	MP-1	Z	-.132	1.5
40	MP-1	Z	-.037	2.5
41	MP-2	Z	-.057	.5
42	MP-2	Z	-.055	1.5
43	MP-3	Z	-.057	.5
44	MP-3	Z	-.048	1.5
45	MP-4	Z	-.096	.5
46	MP-4	Z	-.021	1.5
47	MP-5	Z	-.114	.5
48	MP-5	Z	-.06	1.5
49	MP-6	Z	-.082	.5
50	MP-6	Z	-.074	1.5
51	MP-7	Z	-.082	.5
52	MP-7	Z	-.074	1.5
53	MP-8	Z	-.114	.5
54	MP-8	Z	-.034	1.5
55	MP-9	Z	-.096	.5
56	MP-9	Z	-.037	2.5
57	MP-10	Z	-.057	.5
58	MP-10	Z	-.055	1.5
59	MP-11	Z	-.057	.5

Member Point Loads (BLC 7 : 120 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP-11	Z	-.048	1.5
61	MP-12	Z	-.096	.5
62	MP-12	Z	-.021	1.5
63	MP-1	Z	-.096	5.5
64	MP-2	Z	-.057	5.5
65	MP-3	Z	-.057	5.5
66	MP-4	Z	-.096	5.5
67	MP-5	Z	-.114	5.5
68	MP-6	Z	-.082	5.5
69	MP-7	Z	-.082	5.5
70	MP-8	Z	-.114	5.5
71	MP-9	Z	-.096	5.5
72	MP-10	Z	-.057	5.5
73	MP-11	Z	-.057	5.5
74	MP-12	Z	-.096	5.5

Member Point Loads (BLC 8 : 135 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.083	.5
2	MP-1	X	.115	1.5
3	MP-1	X	.037	2.5
4	MP-2	X	.054	.5
5	MP-2	X	.05	1.5
6	MP-3	X	.054	.5
7	MP-3	X	.046	1.5
8	MP-4	X	.083	.5
9	MP-4	X	.021	1.5
10	MP-5	X	.092	.5
11	MP-5	X	.048	1.5
12	MP-6	X	.065	.5
13	MP-6	X	.059	1.5
14	MP-7	X	.065	.5
15	MP-7	X	.059	1.5
16	MP-8	X	.092	.5
17	MP-8	X	.027	1.5
18	MP-9	X	.075	.5
19	MP-9	X	.026	2.5
20	MP-10	X	.042	.5
21	MP-10	X	.042	1.5
22	MP-11	X	.042	.5
23	MP-11	X	.034	1.5
24	MP-12	X	.075	.5
25	MP-12	X	.014	1.5
26	MP-1	X	.083	5.5
27	MP-2	X	.054	5.5
28	MP-3	X	.054	5.5
29	MP-4	X	.083	5.5
30	MP-5	X	.092	5.5
31	MP-6	X	.065	5.5
32	MP-7	X	.065	5.5
33	MP-8	X	.092	5.5
34	MP-9	X	.075	5.5
35	MP-10	X	.042	5.5
36	MP-11	X	.042	5.5
37	MP-12	X	.075	5.5
38	MP-1	Z	-.083	.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 8 : 135 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP-1	Z	-.115	1.5
40	MP-1	Z	-.037	2.5
41	MP-2	Z	-.054	.5
42	MP-2	Z	-.05	1.5
43	MP-3	Z	-.054	.5
44	MP-3	Z	-.046	1.5
45	MP-4	Z	-.083	.5
46	MP-4	Z	-.021	1.5
47	MP-5	Z	-.092	.5
48	MP-5	Z	-.048	1.5
49	MP-6	Z	-.065	.5
50	MP-6	Z	-.059	1.5
51	MP-7	Z	-.065	.5
52	MP-7	Z	-.059	1.5
53	MP-8	Z	-.092	.5
54	MP-8	Z	-.027	1.5
55	MP-9	Z	-.075	.5
56	MP-9	Z	-.026	2.5
57	MP-10	Z	-.042	.5
58	MP-10	Z	-.042	1.5
59	MP-11	Z	-.042	.5
60	MP-11	Z	-.034	1.5
61	MP-12	Z	-.075	.5
62	MP-12	Z	-.014	1.5
63	MP-1	Z	-.083	5.5
64	MP-2	Z	-.054	5.5
65	MP-3	Z	-.054	5.5
66	MP-4	Z	-.083	5.5
67	MP-5	Z	-.092	5.5
68	MP-6	Z	-.065	5.5
69	MP-7	Z	-.065	5.5
70	MP-8	Z	-.092	5.5
71	MP-9	Z	-.075	5.5
72	MP-10	Z	-.042	5.5
73	MP-11	Z	-.042	5.5
74	MP-12	Z	-.075	5.5

Member Point Loads (BLC 9 : 150 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.108	.5
2	MP-1	X	.151	1.5
3	MP-1	X	.053	2.5
4	MP-2	X	.074	.5
5	MP-2	X	.068	1.5
6	MP-3	X	.074	.5
7	MP-3	X	.065	1.5
8	MP-4	X	.108	.5
9	MP-4	X	.029	1.5
10	MP-5	X	.108	.5
11	MP-5	X	.053	1.5
12	MP-6	X	.074	.5
13	MP-6	X	.068	1.5
14	MP-7	X	.074	.5
15	MP-7	X	.065	1.5
16	MP-8	X	.108	.5
17	MP-8	X	.029	1.5

Member Point Loads (BLC 9 : 150 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP-9	X	.09	.5
19	MP-9	X	.029	2.5
20	MP-10	X	.049	.5
21	MP-10	X	.049	1.5
22	MP-11	X	.049	.5
23	MP-11	X	.04	1.5
24	MP-12	X	.09	.5
25	MP-12	X	.017	1.5
26	MP-1	X	.108	5.5
27	MP-2	X	.074	5.5
28	MP-3	X	.074	5.5
29	MP-4	X	.108	5.5
30	MP-5	X	.108	5.5
31	MP-6	X	.074	5.5
32	MP-7	X	.074	5.5
33	MP-8	X	.108	5.5
34	MP-9	X	.09	5.5
35	MP-10	X	.049	5.5
36	MP-11	X	.049	5.5
37	MP-12	X	.09	5.5
38	MP-1	Z	-.062	.5
39	MP-1	Z	-.087	1.5
40	MP-1	Z	-.03	2.5
41	MP-2	Z	-.043	.5
42	MP-2	Z	-.039	1.5
43	MP-3	Z	-.043	.5
44	MP-3	Z	-.038	1.5
45	MP-4	Z	-.062	.5
46	MP-4	Z	-.017	1.5
47	MP-5	Z	-.062	.5
48	MP-5	Z	-.03	1.5
49	MP-6	Z	-.043	.5
50	MP-6	Z	-.039	1.5
51	MP-7	Z	-.043	.5
52	MP-7	Z	-.038	1.5
53	MP-8	Z	-.062	.5
54	MP-8	Z	-.017	1.5
55	MP-9	Z	-.052	.5
56	MP-9	Z	-.017	2.5
57	MP-10	Z	-.028	.5
58	MP-10	Z	-.028	1.5
59	MP-11	Z	-.028	.5
60	MP-11	Z	-.023	1.5
61	MP-12	Z	-.052	.5
62	MP-12	Z	-.01	1.5
63	MP-1	Z	-.062	5.5
64	MP-2	Z	-.043	5.5
65	MP-3	Z	-.043	5.5
66	MP-4	Z	-.062	5.5
67	MP-5	Z	-.062	5.5
68	MP-6	Z	-.043	5.5
69	MP-7	Z	-.043	5.5
70	MP-8	Z	-.062	5.5
71	MP-9	Z	-.052	5.5
72	MP-10	Z	-.028	5.5
73	MP-11	Z	-.028	5.5
74	MP-12	Z	-.052	5.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 10 : 180 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.131	.5
2	MP-1	X	.185	1.5
3	MP-1	X	.07	2.5
4	MP-2	X	.095	.5
5	MP-2	X	.085	1.5
6	MP-3	X	.095	.5
7	MP-3	X	.085	1.5
8	MP-4	X	.131	.5
9	MP-4	X	.039	1.5
10	MP-5	X	.111	.5
11	MP-5	X	.043	1.5
12	MP-6	X	.066	.5
13	MP-6	X	.064	1.5
14	MP-7	X	.066	.5
15	MP-7	X	.056	1.5
16	MP-8	X	.111	.5
17	MP-8	X	.024	1.5
18	MP-9	X	.111	.5
19	MP-9	X	.043	2.5
20	MP-10	X	.066	.5
21	MP-10	X	.064	1.5
22	MP-11	X	.066	.5
23	MP-11	X	.056	1.5
24	MP-12	X	.111	.5
25	MP-12	X	.024	1.5
26	MP-1	X	.131	5.5
27	MP-2	X	.095	5.5
28	MP-3	X	.095	5.5
29	MP-4	X	.131	5.5
30	MP-5	X	.111	5.5
31	MP-6	X	.066	5.5
32	MP-7	X	.066	5.5
33	MP-8	X	.111	5.5
34	MP-9	X	.111	5.5
35	MP-10	X	.066	5.5
36	MP-11	X	.066	5.5
37	MP-12	X	.111	5.5

Member Point Loads (BLC 11 : 210 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.108	.5
2	MP-1	X	.151	1.5
3	MP-1	X	.053	2.5
4	MP-2	X	.074	.5
5	MP-2	X	.068	1.5
6	MP-3	X	.074	.5
7	MP-3	X	.065	1.5
8	MP-4	X	.108	.5
9	MP-4	X	.029	1.5
10	MP-5	X	.09	.5
11	MP-5	X	.029	1.5
12	MP-6	X	.049	.5
13	MP-6	X	.049	1.5
14	MP-7	X	.049	.5
15	MP-7	X	.04	1.5
16	MP-8	X	.09	.5

Member Point Loads (BLC 11 : 210 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP-8	X	.017	1.5
18	MP-9	X	.108	.5
19	MP-9	X	.053	2.5
20	MP-10	X	.074	.5
21	MP-10	X	.068	1.5
22	MP-11	X	.074	.5
23	MP-11	X	.065	1.5
24	MP-12	X	.108	.5
25	MP-12	X	.029	1.5
26	MP-1	X	.108	5.5
27	MP-2	X	.074	5.5
28	MP-3	X	.074	5.5
29	MP-4	X	.108	5.5
30	MP-5	X	.09	5.5
31	MP-6	X	.049	5.5
32	MP-7	X	.049	5.5
33	MP-8	X	.09	5.5
34	MP-9	X	.108	5.5
35	MP-10	X	.074	5.5
36	MP-11	X	.074	5.5
37	MP-12	X	.108	5.5
38	MP-1	Z	.062	.5
39	MP-1	Z	.087	1.5
40	MP-1	Z	.03	2.5
41	MP-2	Z	.043	.5
42	MP-2	Z	.039	1.5
43	MP-3	Z	.043	.5
44	MP-3	Z	.038	1.5
45	MP-4	Z	.062	.5
46	MP-4	Z	.017	1.5
47	MP-5	Z	.052	.5
48	MP-5	Z	.017	1.5
49	MP-6	Z	.028	.5
50	MP-6	Z	.028	1.5
51	MP-7	Z	.028	.5
52	MP-7	Z	.023	1.5
53	MP-8	Z	.052	.5
54	MP-8	Z	.01	1.5
55	MP-9	Z	.062	.5
56	MP-9	Z	.03	2.5
57	MP-10	Z	.043	.5
58	MP-10	Z	.039	1.5
59	MP-11	Z	.043	.5
60	MP-11	Z	.038	1.5
61	MP-12	Z	.062	.5
62	MP-12	Z	.017	1.5
63	MP-1	Z	.062	5.5
64	MP-2	Z	.043	5.5
65	MP-3	Z	.043	5.5
66	MP-4	Z	.062	5.5
67	MP-5	Z	.052	5.5
68	MP-6	Z	.028	5.5
69	MP-7	Z	.028	5.5
70	MP-8	Z	.052	5.5
71	MP-9	Z	.062	5.5
72	MP-10	Z	.043	5.5
73	MP-11	Z	.043	5.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
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Member Point Loads (BLC 11 : 210 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
74	MP-12	Z	.062	5.5

Member Point Loads (BLC 12 : 225 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.083	.5
2	MP-1	X	.115	1.5
3	MP-1	X	.037	2.5
4	MP-2	X	.054	.5
5	MP-2	X	.05	1.5
6	MP-3	X	.054	.5
7	MP-3	X	.046	1.5
8	MP-4	X	.083	.5
9	MP-4	X	.021	1.5
10	MP-5	X	.075	.5
11	MP-5	X	.026	1.5
12	MP-6	X	.042	.5
13	MP-6	X	.042	1.5
14	MP-7	X	.042	.5
15	MP-7	X	.034	1.5
16	MP-8	X	.075	.5
17	MP-8	X	.014	1.5
18	MP-9	X	.092	.5
19	MP-9	X	.048	2.5
20	MP-10	X	.065	.5
21	MP-10	X	.059	1.5
22	MP-11	X	.065	.5
23	MP-11	X	.059	1.5
24	MP-12	X	.092	.5
25	MP-12	X	.027	1.5
26	MP-1	X	.083	5.5
27	MP-2	X	.054	5.5
28	MP-3	X	.054	5.5
29	MP-4	X	.083	5.5
30	MP-5	X	.075	5.5
31	MP-6	X	.042	5.5
32	MP-7	X	.042	5.5
33	MP-8	X	.075	5.5
34	MP-9	X	.092	5.5
35	MP-10	X	.065	5.5
36	MP-11	X	.065	5.5
37	MP-12	X	.092	5.5
38	MP-1	Z	.083	.5
39	MP-1	Z	.115	1.5
40	MP-1	Z	.037	2.5
41	MP-2	Z	.054	.5
42	MP-2	Z	.05	1.5
43	MP-3	Z	.054	.5
44	MP-3	Z	.046	1.5
45	MP-4	Z	.083	.5
46	MP-4	Z	.021	1.5
47	MP-5	Z	.075	.5
48	MP-5	Z	.026	1.5
49	MP-6	Z	.042	.5
50	MP-6	Z	.042	1.5
51	MP-7	Z	.042	.5
52	MP-7	Z	.034	1.5

Member Point Loads (BLC 12 : 225 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP-8	Z	.075	.5
54	MP-8	Z	.014	1.5
55	MP-9	Z	.092	.5
56	MP-9	Z	.048	2.5
57	MP-10	Z	.065	.5
58	MP-10	Z	.059	1.5
59	MP-11	Z	.065	.5
60	MP-11	Z	.059	1.5
61	MP-12	Z	.092	.5
62	MP-12	Z	.027	1.5
63	MP-1	Z	.083	5.5
64	MP-2	Z	.054	5.5
65	MP-3	Z	.054	5.5
66	MP-4	Z	.083	5.5
67	MP-5	Z	.075	5.5
68	MP-6	Z	.042	5.5
69	MP-7	Z	.042	5.5
70	MP-8	Z	.075	5.5
71	MP-9	Z	.092	5.5
72	MP-10	Z	.065	5.5
73	MP-11	Z	.065	5.5
74	MP-12	Z	.092	5.5

Member Point Loads (BLC 13 : 240 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.055	.5
2	MP-1	X	.076	1.5
3	MP-1	X	.021	2.5
4	MP-2	X	.033	.5
5	MP-2	X	.032	1.5
6	MP-3	X	.033	.5
7	MP-3	X	.028	1.5
8	MP-4	X	.055	.5
9	MP-4	X	.012	1.5
10	MP-5	X	.055	.5
11	MP-5	X	.021	1.5
12	MP-6	X	.033	.5
13	MP-6	X	.032	1.5
14	MP-7	X	.033	.5
15	MP-7	X	.028	1.5
16	MP-8	X	.055	.5
17	MP-8	X	.012	1.5
18	MP-9	X	.066	.5
19	MP-9	X	.035	2.5
20	MP-10	X	.047	.5
21	MP-10	X	.043	1.5
22	MP-11	X	.047	.5
23	MP-11	X	.043	1.5
24	MP-12	X	.066	.5
25	MP-12	X	.02	1.5
26	MP-1	X	.055	5.5
27	MP-2	X	.033	5.5
28	MP-3	X	.033	5.5
29	MP-4	X	.055	5.5
30	MP-5	X	.055	5.5
31	MP-6	X	.033	5.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 13 : 240 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
32	MP-7	X	.033	5.5
33	MP-8	X	.055	5.5
34	MP-9	X	.066	5.5
35	MP-10	X	.047	5.5
36	MP-11	X	.047	5.5
37	MP-12	X	.066	5.5
38	MP-1	Z	.096	.5
39	MP-1	Z	.132	1.5
40	MP-1	Z	.037	2.5
41	MP-2	Z	.057	.5
42	MP-2	Z	.055	1.5
43	MP-3	Z	.057	.5
44	MP-3	Z	.048	1.5
45	MP-4	Z	.096	.5
46	MP-4	Z	.021	1.5
47	MP-5	Z	.096	.5
48	MP-5	Z	.037	1.5
49	MP-6	Z	.057	.5
50	MP-6	Z	.055	1.5
51	MP-7	Z	.057	.5
52	MP-7	Z	.048	1.5
53	MP-8	Z	.096	.5
54	MP-8	Z	.021	1.5
55	MP-9	Z	.114	.5
56	MP-9	Z	.06	2.5
57	MP-10	Z	.082	.5
58	MP-10	Z	.074	1.5
59	MP-11	Z	.082	.5
60	MP-11	Z	.074	1.5
61	MP-12	Z	.114	.5
62	MP-12	Z	.034	1.5
63	MP-1	Z	.096	5.5
64	MP-2	Z	.057	5.5
65	MP-3	Z	.057	5.5
66	MP-4	Z	.096	5.5
67	MP-5	Z	.096	5.5
68	MP-6	Z	.057	5.5
69	MP-7	Z	.057	5.5
70	MP-8	Z	.096	5.5
71	MP-9	Z	.114	5.5
72	MP-10	Z	.082	5.5
73	MP-11	Z	.082	5.5
74	MP-12	Z	.114	5.5

Member Point Loads (BLC 14 : 270 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.104	.5
2	MP-1	Z	.141	1.5
3	MP-1	Z	.034	2.5
4	MP-2	Z	.057	.5
5	MP-2	Z	.057	1.5
6	MP-3	Z	.057	.5
7	MP-3	Z	.046	1.5
8	MP-4	Z	.104	.5
9	MP-4	Z	.019	1.5
10	MP-5	Z	.124	.5

Member Point Loads (BLC 14 : 270 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP-5	Z	.061	1.5
12	MP-6	Z	.085	.5
13	MP-6	Z	.078	1.5
14	MP-7	Z	.085	.5
15	MP-7	Z	.076	1.5
16	MP-8	Z	.124	.5
17	MP-8	Z	.034	1.5
18	MP-9	Z	.124	.5
19	MP-9	Z	.061	2.5
20	MP-10	Z	.085	.5
21	MP-10	Z	.078	1.5
22	MP-11	Z	.085	.5
23	MP-11	Z	.076	1.5
24	MP-12	Z	.124	.5
25	MP-12	Z	.034	1.5
26	MP-1	Z	.104	5.5
27	MP-2	Z	.057	5.5
28	MP-3	Z	.057	5.5
29	MP-4	Z	.104	5.5
30	MP-5	Z	.124	5.5
31	MP-6	Z	.085	5.5
32	MP-7	Z	.085	5.5
33	MP-8	Z	.124	5.5
34	MP-9	Z	.124	5.5
35	MP-10	Z	.085	5.5
36	MP-11	Z	.085	5.5
37	MP-12	Z	.124	5.5

Member Point Loads (BLC 15 : 300 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.055	.5
2	MP-1	X	-.076	1.5
3	MP-1	X	-.021	2.5
4	MP-2	X	-.033	.5
5	MP-2	X	-.032	1.5
6	MP-3	X	-.033	.5
7	MP-3	X	-.028	1.5
8	MP-4	X	-.055	.5
9	MP-4	X	-.012	1.5
10	MP-5	X	-.066	.5
11	MP-5	X	-.035	1.5
12	MP-6	X	-.047	.5
13	MP-6	X	-.043	1.5
14	MP-7	X	-.047	.5
15	MP-7	X	-.043	1.5
16	MP-8	X	-.066	.5
17	MP-8	X	-.02	1.5
18	MP-9	X	-.055	.5
19	MP-9	X	-.021	2.5
20	MP-10	X	-.033	.5
21	MP-10	X	-.032	1.5
22	MP-11	X	-.033	.5
23	MP-11	X	-.028	1.5
24	MP-12	X	-.055	.5
25	MP-12	X	-.012	1.5
26	MP-1	X	-.055	5.5

Member Point Loads (BLC 15 : 300 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP-2	X	-.033	5.5
28	MP-3	X	-.033	5.5
29	MP-4	X	-.055	5.5
30	MP-5	X	-.066	5.5
31	MP-6	X	-.047	5.5
32	MP-7	X	-.047	5.5
33	MP-8	X	-.066	5.5
34	MP-9	X	-.055	5.5
35	MP-10	X	-.033	5.5
36	MP-11	X	-.033	5.5
37	MP-12	X	-.055	5.5
38	MP-1	Z	.096	.5
39	MP-1	Z	.132	1.5
40	MP-1	Z	.037	2.5
41	MP-2	Z	.057	.5
42	MP-2	Z	.055	1.5
43	MP-3	Z	.057	.5
44	MP-3	Z	.048	1.5
45	MP-4	Z	.096	.5
46	MP-4	Z	.021	1.5
47	MP-5	Z	.114	.5
48	MP-5	Z	.06	1.5
49	MP-6	Z	.082	.5
50	MP-6	Z	.074	1.5
51	MP-7	Z	.082	.5
52	MP-7	Z	.074	1.5
53	MP-8	Z	.114	.5
54	MP-8	Z	.034	1.5
55	MP-9	Z	.096	.5
56	MP-9	Z	.037	2.5
57	MP-10	Z	.057	.5
58	MP-10	Z	.055	1.5
59	MP-11	Z	.057	.5
60	MP-11	Z	.048	1.5
61	MP-12	Z	.096	.5
62	MP-12	Z	.021	1.5
63	MP-1	Z	.096	5.5
64	MP-2	Z	.057	5.5
65	MP-3	Z	.057	5.5
66	MP-4	Z	.096	5.5
67	MP-5	Z	.114	5.5
68	MP-6	Z	.082	5.5
69	MP-7	Z	.082	5.5
70	MP-8	Z	.114	5.5
71	MP-9	Z	.096	5.5
72	MP-10	Z	.057	5.5
73	MP-11	Z	.057	5.5
74	MP-12	Z	.096	5.5

Member Point Loads (BLC 16 : 315 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.083	.5
2	MP-1	X	-.115	1.5
3	MP-1	X	-.037	2.5
4	MP-2	X	-.054	.5
5	MP-2	X	-.05	1.5

Member Point Loads (BLC 16 : 315 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP-3	X	-.054	.5
7	MP-3	X	-.046	1.5
8	MP-4	X	-.083	.5
9	MP-4	X	-.021	1.5
10	MP-5	X	-.092	.5
11	MP-5	X	-.048	1.5
12	MP-6	X	-.065	.5
13	MP-6	X	-.059	1.5
14	MP-7	X	-.065	.5
15	MP-7	X	-.059	1.5
16	MP-8	X	-.092	.5
17	MP-8	X	-.027	1.5
18	MP-9	X	-.075	.5
19	MP-9	X	-.026	2.5
20	MP-10	X	-.042	.5
21	MP-10	X	-.042	1.5
22	MP-11	X	-.042	.5
23	MP-11	X	-.034	1.5
24	MP-12	X	-.075	.5
25	MP-12	X	-.014	1.5
26	MP-1	X	-.083	5.5
27	MP-2	X	-.054	5.5
28	MP-3	X	-.054	5.5
29	MP-4	X	-.083	5.5
30	MP-5	X	-.092	5.5
31	MP-6	X	-.065	5.5
32	MP-7	X	-.065	5.5
33	MP-8	X	-.092	5.5
34	MP-9	X	-.075	5.5
35	MP-10	X	-.042	5.5
36	MP-11	X	-.042	5.5
37	MP-12	X	-.075	5.5
38	MP-1	Z	.083	.5
39	MP-1	Z	.115	1.5
40	MP-1	Z	.037	2.5
41	MP-2	Z	.054	.5
42	MP-2	Z	.05	1.5
43	MP-3	Z	.054	.5
44	MP-3	Z	.046	1.5
45	MP-4	Z	.083	.5
46	MP-4	Z	.021	1.5
47	MP-5	Z	.092	.5
48	MP-5	Z	.048	1.5
49	MP-6	Z	.065	.5
50	MP-6	Z	.059	1.5
51	MP-7	Z	.065	.5
52	MP-7	Z	.059	1.5
53	MP-8	Z	.092	.5
54	MP-8	Z	.027	1.5
55	MP-9	Z	.075	.5
56	MP-9	Z	.026	2.5
57	MP-10	Z	.042	.5
58	MP-10	Z	.042	1.5
59	MP-11	Z	.042	.5
60	MP-11	Z	.034	1.5
61	MP-12	Z	.075	.5
62	MP-12	Z	.014	1.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 16 : 315 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
63	MP-1	Z	.083	5.5
64	MP-2	Z	.054	5.5
65	MP-3	Z	.054	5.5
66	MP-4	Z	.083	5.5
67	MP-5	Z	.092	5.5
68	MP-6	Z	.065	5.5
69	MP-7	Z	.065	5.5
70	MP-8	Z	.092	5.5
71	MP-9	Z	.075	5.5
72	MP-10	Z	.042	5.5
73	MP-11	Z	.042	5.5
74	MP-12	Z	.075	5.5

Member Point Loads (BLC 17 : 330 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.108	.5
2	MP-1	X	-.151	1.5
3	MP-1	X	-.053	2.5
4	MP-2	X	-.074	.5
5	MP-2	X	-.068	1.5
6	MP-3	X	-.074	.5
7	MP-3	X	-.065	1.5
8	MP-4	X	-.108	.5
9	MP-4	X	-.029	1.5
10	MP-5	X	-.108	.5
11	MP-5	X	-.053	1.5
12	MP-6	X	-.074	.5
13	MP-6	X	-.068	1.5
14	MP-7	X	-.074	.5
15	MP-7	X	-.065	1.5
16	MP-8	X	-.108	.5
17	MP-8	X	-.029	1.5
18	MP-9	X	-.09	.5
19	MP-9	X	-.029	2.5
20	MP-10	X	-.049	.5
21	MP-10	X	-.049	1.5
22	MP-11	X	-.049	.5
23	MP-11	X	-.04	1.5
24	MP-12	X	-.09	.5
25	MP-12	X	-.017	1.5
26	MP-1	X	-.108	5.5
27	MP-2	X	-.074	5.5
28	MP-3	X	-.074	5.5
29	MP-4	X	-.108	5.5
30	MP-5	X	-.108	5.5
31	MP-6	X	-.074	5.5
32	MP-7	X	-.074	5.5
33	MP-8	X	-.108	5.5
34	MP-9	X	-.09	5.5
35	MP-10	X	-.049	5.5
36	MP-11	X	-.049	5.5
37	MP-12	X	-.09	5.5
38	MP-1	Z	.062	.5
39	MP-1	Z	.087	1.5
40	MP-1	Z	.03	2.5
41	MP-2	Z	.043	.5

Member Point Loads (BLC 17 : 330 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
42	MP-2	Z	.039	1.5
43	MP-3	Z	.043	.5
44	MP-3	Z	.038	1.5
45	MP-4	Z	.062	.5
46	MP-4	Z	.017	1.5
47	MP-5	Z	.062	.5
48	MP-5	Z	.03	1.5
49	MP-6	Z	.043	.5
50	MP-6	Z	.039	1.5
51	MP-7	Z	.043	.5
52	MP-7	Z	.038	1.5
53	MP-8	Z	.062	.5
54	MP-8	Z	.017	1.5
55	MP-9	Z	.052	.5
56	MP-9	Z	.017	2.5
57	MP-10	Z	.028	.5
58	MP-10	Z	.028	1.5
59	MP-11	Z	.028	.5
60	MP-11	Z	.023	1.5
61	MP-12	Z	.052	.5
62	MP-12	Z	.01	1.5
63	MP-1	Z	.062	5.5
64	MP-2	Z	.043	5.5
65	MP-3	Z	.043	5.5
66	MP-4	Z	.062	5.5
67	MP-5	Z	.062	5.5
68	MP-6	Z	.043	5.5
69	MP-7	Z	.043	5.5
70	MP-8	Z	.062	5.5
71	MP-9	Z	.052	5.5
72	MP-10	Z	.028	5.5
73	MP-11	Z	.028	5.5
74	MP-12	Z	.052	5.5

Member Point Loads (BLC 18 : Ice Weight)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.046	.5
2	MP-1	Y	-.09	1.5
3	MP-1	Y	-.031	2.5
4	MP-2	Y	-.062	.5
5	MP-2	Y	-.046	1.5
6	MP-3	Y	-.062	.5
7	MP-3	Y	-.042	1.5
8	MP-4	Y	-.046	.5
9	MP-4	Y	-.019	1.5
10	MP-5	Y	-.046	.5
11	MP-5	Y	-.031	1.5
12	MP-6	Y	-.062	.5
13	MP-6	Y	-.046	1.5
14	MP-7	Y	-.062	.5
15	MP-7	Y	-.042	1.5
16	MP-8	Y	-.046	.5
17	MP-8	Y	-.019	1.5
18	MP-9	Y	-.046	.5
19	MP-9	Y	-.031	2.5
20	MP-10	Y	-.062	.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
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Member Point Loads (BLC 18 : Ice Weight) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
21	MP-10	Y	-.046	1.5
22	MP-11	Y	-.062	.5
23	MP-11	Y	-.042	1.5
24	MP-12	Y	-.046	.5
25	MP-12	Y	-.019	1.5
26	MP-1	Y	-.046	5.5
27	MP-2	Y	-.062	5.5
28	MP-3	Y	-.062	5.5
29	MP-4	Y	-.046	5.5
30	MP-5	Y	-.046	5.5
31	MP-6	Y	-.062	5.5
32	MP-7	Y	-.062	5.5
33	MP-8	Y	-.046	5.5
34	MP-9	Y	-.046	5.5
35	MP-10	Y	-.062	5.5
36	MP-11	Y	-.062	5.5
37	MP-12	Y	-.046	5.5

Member Point Loads (BLC 19 : 0 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.027	.5
2	MP-1	X	-.036	1.5
3	MP-1	X	-.015	2.5
4	MP-2	X	-.018	.5
5	MP-2	X	-.018	1.5
6	MP-3	X	-.018	.5
7	MP-3	X	-.018	1.5
8	MP-4	X	-.027	.5
9	MP-4	X	-.009	1.5
10	MP-5	X	-.027	.5
11	MP-5	X	-.015	1.5
12	MP-6	X	-.018	.5
13	MP-6	X	-.018	1.5
14	MP-7	X	-.018	.5
15	MP-7	X	-.018	1.5
16	MP-8	X	-.027	.5
17	MP-8	X	-.009	1.5
18	MP-9	X	-.027	.5
19	MP-9	X	-.015	2.5
20	MP-10	X	-.018	.5
21	MP-10	X	-.018	1.5
22	MP-11	X	-.018	.5
23	MP-11	X	-.018	1.5
24	MP-12	X	-.027	.5
25	MP-12	X	-.009	1.5
26	MP-1	X	-.027	5.5
27	MP-2	X	-.018	5.5
28	MP-3	X	-.018	5.5
29	MP-4	X	-.027	5.5
30	MP-5	X	-.027	5.5
31	MP-6	X	-.018	5.5
32	MP-7	X	-.018	5.5
33	MP-8	X	-.027	5.5
34	MP-9	X	-.027	5.5
35	MP-10	X	-.018	5.5
36	MP-11	X	-.018	5.5

Member Point Loads (BLC 19 : 0 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP-12	X	-.027	5.5

Member Point Loads (BLC 20 : 30 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.022	.5
2	MP-1	X	-.03	1.5
3	MP-1	X	-.012	2.5
4	MP-2	X	-.014	.5
5	MP-2	X	-.015	1.5
6	MP-3	X	-.014	.5
7	MP-3	X	-.014	1.5
8	MP-4	X	-.022	.5
9	MP-4	X	-.007	1.5
10	MP-5	X	-.019	.5
11	MP-5	X	-.008	1.5
12	MP-6	X	-.01	.5
13	MP-6	X	-.011	1.5
14	MP-7	X	-.01	.5
15	MP-7	X	-.009	1.5
16	MP-8	X	-.019	.5
17	MP-8	X	-.005	1.5
18	MP-9	X	-.022	.5
19	MP-9	X	-.012	2.5
20	MP-10	X	-.014	.5
21	MP-10	X	-.015	1.5
22	MP-11	X	-.014	.5
23	MP-11	X	-.014	1.5
24	MP-12	X	-.022	.5
25	MP-12	X	-.007	1.5
26	MP-1	X	-.022	5.5
27	MP-2	X	-.014	5.5
28	MP-3	X	-.014	5.5
29	MP-4	X	-.022	5.5
30	MP-5	X	-.019	5.5
31	MP-6	X	-.01	5.5
32	MP-7	X	-.01	5.5
33	MP-8	X	-.019	5.5
34	MP-9	X	-.022	5.5
35	MP-10	X	-.014	5.5
36	MP-11	X	-.014	5.5
37	MP-12	X	-.022	5.5
38	MP-1	Z	-.013	.5
39	MP-1	Z	-.017	1.5
40	MP-1	Z	-.007	2.5
41	MP-2	Z	-.008	.5
42	MP-2	Z	-.008	1.5
43	MP-3	Z	-.008	.5
44	MP-3	Z	-.008	1.5
45	MP-4	Z	-.013	.5
46	MP-4	Z	-.004	1.5
47	MP-5	Z	-.011	.5
48	MP-5	Z	-.004	1.5
49	MP-6	Z	-.006	.5
50	MP-6	Z	-.006	1.5
51	MP-7	Z	-.006	.5
52	MP-7	Z	-.005	1.5

Member Point Loads (BLC 20 : 30 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP-8	Z	-.011	.5
54	MP-8	Z	-.003	1.5
55	MP-9	Z	-.013	.5
56	MP-9	Z	-.007	2.5
57	MP-10	Z	-.008	.5
58	MP-10	Z	-.008	1.5
59	MP-11	Z	-.008	.5
60	MP-11	Z	-.008	1.5
61	MP-12	Z	-.013	.5
62	MP-12	Z	-.004	1.5
63	MP-1	Z	-.013	5.5
64	MP-2	Z	-.008	5.5
65	MP-3	Z	-.008	5.5
66	MP-4	Z	-.013	5.5
67	MP-5	Z	-.011	5.5
68	MP-6	Z	-.006	5.5
69	MP-7	Z	-.006	5.5
70	MP-8	Z	-.011	5.5
71	MP-9	Z	-.013	5.5
72	MP-10	Z	-.008	5.5
73	MP-11	Z	-.008	5.5
74	MP-12	Z	-.013	5.5

Member Point Loads (BLC 21 : 45 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.017	.5
2	MP-1	X	-.023	1.5
3	MP-1	X	-.008	2.5
4	MP-2	X	-.011	.5
5	MP-2	X	-.011	1.5
6	MP-3	X	-.011	.5
7	MP-3	X	-.01	1.5
8	MP-4	X	-.017	.5
9	MP-4	X	-.005	1.5
10	MP-5	X	-.016	.5
11	MP-5	X	-.006	1.5
12	MP-6	X	-.009	.5
13	MP-6	X	-.009	1.5
14	MP-7	X	-.009	.5
15	MP-7	X	-.008	1.5
16	MP-8	X	-.016	.5
17	MP-8	X	-.004	1.5
18	MP-9	X	-.019	.5
19	MP-9	X	-.011	2.5
20	MP-10	X	-.013	.5
21	MP-10	X	-.013	1.5
22	MP-11	X	-.013	.5
23	MP-11	X	-.013	1.5
24	MP-12	X	-.019	.5
25	MP-12	X	-.006	1.5
26	MP-1	X	-.017	5.5
27	MP-2	X	-.011	5.5
28	MP-3	X	-.011	5.5
29	MP-4	X	-.017	5.5
30	MP-5	X	-.016	5.5
31	MP-6	X	-.009	5.5

Member Point Loads (BLC 21 : 45 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
32	MP-7	X	-.009	5.5
33	MP-8	X	-.016	5.5
34	MP-9	X	-.019	5.5
35	MP-10	X	-.013	5.5
36	MP-11	X	-.013	5.5
37	MP-12	X	-.019	5.5
38	MP-1	Z	-.017	.5
39	MP-1	Z	-.023	1.5
40	MP-1	Z	-.008	2.5
41	MP-2	Z	-.011	.5
42	MP-2	Z	-.011	1.5
43	MP-3	Z	-.011	.5
44	MP-3	Z	-.01	1.5
45	MP-4	Z	-.017	.5
46	MP-4	Z	-.005	1.5
47	MP-5	Z	-.016	.5
48	MP-5	Z	-.006	1.5
49	MP-6	Z	-.009	.5
50	MP-6	Z	-.009	1.5
51	MP-7	Z	-.009	.5
52	MP-7	Z	-.008	1.5
53	MP-8	Z	-.016	.5
54	MP-8	Z	-.004	1.5
55	MP-9	Z	-.019	.5
56	MP-9	Z	-.011	2.5
57	MP-10	Z	-.013	.5
58	MP-10	Z	-.013	1.5
59	MP-11	Z	-.013	.5
60	MP-11	Z	-.013	1.5
61	MP-12	Z	-.019	.5
62	MP-12	Z	-.006	1.5
63	MP-1	Z	-.017	5.5
64	MP-2	Z	-.011	5.5
65	MP-3	Z	-.011	5.5
66	MP-4	Z	-.017	5.5
67	MP-5	Z	-.016	5.5
68	MP-6	Z	-.009	5.5
69	MP-7	Z	-.009	5.5
70	MP-8	Z	-.016	5.5
71	MP-9	Z	-.019	5.5
72	MP-10	Z	-.013	5.5
73	MP-11	Z	-.013	5.5
74	MP-12	Z	-.019	5.5

Member Point Loads (BLC 22 : 60 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.012	.5
2	MP-1	X	-.015	1.5
3	MP-1	X	-.005	2.5
4	MP-2	X	-.007	.5
5	MP-2	X	-.007	1.5
6	MP-3	X	-.007	.5
7	MP-3	X	-.006	1.5
8	MP-4	X	-.012	.5
9	MP-4	X	-.003	1.5
10	MP-5	X	-.012	.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 22 : 60 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP-5	X	-.005	1.5
12	MP-6	X	-.007	.5
13	MP-6	X	-.007	1.5
14	MP-7	X	-.007	.5
15	MP-7	X	-.006	1.5
16	MP-8	X	-.012	.5
17	MP-8	X	-.003	1.5
18	MP-9	X	-.013	.5
19	MP-9	X	-.008	2.5
20	MP-10	X	-.009	.5
21	MP-10	X	-.009	1.5
22	MP-11	X	-.009	.5
23	MP-11	X	-.009	1.5
24	MP-12	X	-.013	.5
25	MP-12	X	-.005	1.5
26	MP-1	X	-.012	5.5
27	MP-2	X	-.007	5.5
28	MP-3	X	-.007	5.5
29	MP-4	X	-.012	5.5
30	MP-5	X	-.012	5.5
31	MP-6	X	-.007	5.5
32	MP-7	X	-.007	5.5
33	MP-8	X	-.012	5.5
34	MP-9	X	-.013	5.5
35	MP-10	X	-.009	5.5
36	MP-11	X	-.009	5.5
37	MP-12	X	-.013	5.5
38	MP-1	Z	-.02	.5
39	MP-1	Z	-.027	1.5
40	MP-1	Z	-.009	2.5
41	MP-2	Z	-.012	.5
42	MP-2	Z	-.012	1.5
43	MP-3	Z	-.012	.5
44	MP-3	Z	-.011	1.5
45	MP-4	Z	-.02	.5
46	MP-4	Z	-.006	1.5
47	MP-5	Z	-.02	.5
48	MP-5	Z	-.009	1.5
49	MP-6	Z	-.012	.5
50	MP-6	Z	-.012	1.5
51	MP-7	Z	-.012	.5
52	MP-7	Z	-.011	1.5
53	MP-8	Z	-.02	.5
54	MP-8	Z	-.006	1.5
55	MP-9	Z	-.023	.5
56	MP-9	Z	-.013	2.5
57	MP-10	Z	-.016	.5
58	MP-10	Z	-.016	1.5
59	MP-11	Z	-.016	.5
60	MP-11	Z	-.016	1.5
61	MP-12	Z	-.023	.5
62	MP-12	Z	-.008	1.5
63	MP-1	Z	-.02	5.5
64	MP-2	Z	-.012	5.5
65	MP-3	Z	-.012	5.5
66	MP-4	Z	-.02	5.5
67	MP-5	Z	-.02	5.5

Member Point Loads (BLC 22 : 60 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
68	MP-6	Z	-.012	5.5
69	MP-7	Z	-.012	5.5
70	MP-8	Z	-.02	5.5
71	MP-9	Z	-.023	5.5
72	MP-10	Z	-.016	5.5
73	MP-11	Z	-.016	5.5
74	MP-12	Z	-.023	5.5

Member Point Loads (BLC 23 : 90 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.022	.5
2	MP-1	Z	-.029	1.5
3	MP-1	Z	-.009	2.5
4	MP-2	Z	-.012	.5
5	MP-2	Z	-.013	1.5
6	MP-3	Z	-.012	.5
7	MP-3	Z	-.011	1.5
8	MP-4	Z	-.022	.5
9	MP-4	Z	-.006	1.5
10	MP-5	Z	-.022	.5
11	MP-5	Z	-.009	1.5
12	MP-6	Z	-.012	.5
13	MP-6	Z	-.013	1.5
14	MP-7	Z	-.012	.5
15	MP-7	Z	-.011	1.5
16	MP-8	Z	-.022	.5
17	MP-8	Z	-.006	1.5
18	MP-9	Z	-.022	.5
19	MP-9	Z	-.009	2.5
20	MP-10	Z	-.012	.5
21	MP-10	Z	-.013	1.5
22	MP-11	Z	-.012	.5
23	MP-11	Z	-.011	1.5
24	MP-12	Z	-.022	.5
25	MP-12	Z	-.006	1.5
26	MP-1	Z	-.022	5.5
27	MP-2	Z	-.012	5.5
28	MP-3	Z	-.012	5.5
29	MP-4	Z	-.022	5.5
30	MP-5	Z	-.022	5.5
31	MP-6	Z	-.012	5.5
32	MP-7	Z	-.012	5.5
33	MP-8	Z	-.022	5.5
34	MP-9	Z	-.022	5.5
35	MP-10	Z	-.012	5.5
36	MP-11	Z	-.012	5.5
37	MP-12	Z	-.022	5.5

Member Point Loads (BLC 24 : 120 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.012	.5
2	MP-1	X	.015	1.5
3	MP-1	X	.005	2.5
4	MP-2	X	.007	.5
5	MP-2	X	.007	1.5
6	MP-3	X	.007	.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 24 : 120 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
7	MP-3	X	.006	1.5
8	MP-4	X	.012	.5
9	MP-4	X	.003	1.5
10	MP-5	X	.013	.5
11	MP-5	X	.008	1.5
12	MP-6	X	.009	.5
13	MP-6	X	.009	1.5
14	MP-7	X	.009	.5
15	MP-7	X	.009	1.5
16	MP-8	X	.013	.5
17	MP-8	X	.005	1.5
18	MP-9	X	.012	.5
19	MP-9	X	.005	2.5
20	MP-10	X	.007	.5
21	MP-10	X	.007	1.5
22	MP-11	X	.007	.5
23	MP-11	X	.006	1.5
24	MP-12	X	.012	.5
25	MP-12	X	.003	1.5
26	MP-1	X	.012	5.5
27	MP-2	X	.007	5.5
28	MP-3	X	.007	5.5
29	MP-4	X	.012	5.5
30	MP-5	X	.013	5.5
31	MP-6	X	.009	5.5
32	MP-7	X	.009	5.5
33	MP-8	X	.013	5.5
34	MP-9	X	.012	5.5
35	MP-10	X	.007	5.5
36	MP-11	X	.007	5.5
37	MP-12	X	.012	5.5
38	MP-1	Z	-.02	.5
39	MP-1	Z	-.027	1.5
40	MP-1	Z	-.009	2.5
41	MP-2	Z	-.012	.5
42	MP-2	Z	-.012	1.5
43	MP-3	Z	-.012	.5
44	MP-3	Z	-.011	1.5
45	MP-4	Z	-.02	.5
46	MP-4	Z	-.006	1.5
47	MP-5	Z	-.023	.5
48	MP-5	Z	-.013	1.5
49	MP-6	Z	-.016	.5
50	MP-6	Z	-.016	1.5
51	MP-7	Z	-.016	.5
52	MP-7	Z	-.016	1.5
53	MP-8	Z	-.023	.5
54	MP-8	Z	-.008	1.5
55	MP-9	Z	-.02	.5
56	MP-9	Z	-.009	2.5
57	MP-10	Z	-.012	.5
58	MP-10	Z	-.012	1.5
59	MP-11	Z	-.012	.5
60	MP-11	Z	-.011	1.5
61	MP-12	Z	-.02	.5
62	MP-12	Z	-.006	1.5
63	MP-1	Z	-.02	5.5

Member Point Loads (BLC 24 : 120 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
64	MP-2	Z	-.012	5.5
65	MP-3	Z	-.012	5.5
66	MP-4	Z	-.02	5.5
67	MP-5	Z	-.023	5.5
68	MP-6	Z	-.016	5.5
69	MP-7	Z	-.016	5.5
70	MP-8	Z	-.023	5.5
71	MP-9	Z	-.02	5.5
72	MP-10	Z	-.012	5.5
73	MP-11	Z	-.012	5.5
74	MP-12	Z	-.02	5.5

Member Point Loads (BLC 25 : 135 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.017	.5
2	MP-1	X	.023	1.5
3	MP-1	X	.008	2.5
4	MP-2	X	.011	.5
5	MP-2	X	.011	1.5
6	MP-3	X	.011	.5
7	MP-3	X	.01	1.5
8	MP-4	X	.017	.5
9	MP-4	X	.005	1.5
10	MP-5	X	.019	.5
11	MP-5	X	.011	1.5
12	MP-6	X	.013	.5
13	MP-6	X	.013	1.5
14	MP-7	X	.013	.5
15	MP-7	X	.013	1.5
16	MP-8	X	.019	.5
17	MP-8	X	.006	1.5
18	MP-9	X	.016	.5
19	MP-9	X	.006	2.5
20	MP-10	X	.009	.5
21	MP-10	X	.009	1.5
22	MP-11	X	.009	.5
23	MP-11	X	.008	1.5
24	MP-12	X	.016	.5
25	MP-12	X	.004	1.5
26	MP-1	X	.017	5.5
27	MP-2	X	.011	5.5
28	MP-3	X	.011	5.5
29	MP-4	X	.017	5.5
30	MP-5	X	.019	5.5
31	MP-6	X	.013	5.5
32	MP-7	X	.013	5.5
33	MP-8	X	.019	5.5
34	MP-9	X	.016	5.5
35	MP-10	X	.009	5.5
36	MP-11	X	.009	5.5
37	MP-12	X	.016	5.5
38	MP-1	Z	-.017	.5
39	MP-1	Z	-.023	1.5
40	MP-1	Z	-.008	2.5
41	MP-2	Z	-.011	.5
42	MP-2	Z	-.011	1.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 25 : 135 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
43	MP-3	Z	-.011	.5
44	MP-3	Z	-.01	1.5
45	MP-4	Z	-.017	.5
46	MP-4	Z	-.005	1.5
47	MP-5	Z	-.019	.5
48	MP-5	Z	-.011	1.5
49	MP-6	Z	-.013	.5
50	MP-6	Z	-.013	1.5
51	MP-7	Z	-.013	.5
52	MP-7	Z	-.013	1.5
53	MP-8	Z	-.019	.5
54	MP-8	Z	-.006	1.5
55	MP-9	Z	-.016	.5
56	MP-9	Z	-.006	2.5
57	MP-10	Z	-.009	.5
58	MP-10	Z	-.009	1.5
59	MP-11	Z	-.009	.5
60	MP-11	Z	-.008	1.5
61	MP-12	Z	-.016	.5
62	MP-12	Z	-.004	1.5
63	MP-1	Z	-.017	5.5
64	MP-2	Z	-.011	5.5
65	MP-3	Z	-.011	5.5
66	MP-4	Z	-.017	5.5
67	MP-5	Z	-.019	5.5
68	MP-6	Z	-.013	5.5
69	MP-7	Z	-.013	5.5
70	MP-8	Z	-.019	5.5
71	MP-9	Z	-.016	5.5
72	MP-10	Z	-.009	5.5
73	MP-11	Z	-.009	5.5
74	MP-12	Z	-.016	5.5

Member Point Loads (BLC 26 : 150 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.022	.5
2	MP-1	X	.03	1.5
3	MP-1	X	.012	2.5
4	MP-2	X	.014	.5
5	MP-2	X	.015	1.5
6	MP-3	X	.014	.5
7	MP-3	X	.014	1.5
8	MP-4	X	.022	.5
9	MP-4	X	.007	1.5
10	MP-5	X	.022	.5
11	MP-5	X	.012	1.5
12	MP-6	X	.014	.5
13	MP-6	X	.015	1.5
14	MP-7	X	.014	.5
15	MP-7	X	.014	1.5
16	MP-8	X	.022	.5
17	MP-8	X	.007	1.5
18	MP-9	X	.019	.5
19	MP-9	X	.008	2.5
20	MP-10	X	.01	.5
21	MP-10	X	.011	1.5

Member Point Loads (BLC 26 : 150 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP-11	X	.01	.5
23	MP-11	X	.009	1.5
24	MP-12	X	.019	.5
25	MP-12	X	.005	1.5
26	MP-1	X	.022	5.5
27	MP-2	X	.014	5.5
28	MP-3	X	.014	5.5
29	MP-4	X	.022	5.5
30	MP-5	X	.022	5.5
31	MP-6	X	.014	5.5
32	MP-7	X	.014	5.5
33	MP-8	X	.022	5.5
34	MP-9	X	.019	5.5
35	MP-10	X	.01	5.5
36	MP-11	X	.01	5.5
37	MP-12	X	.019	5.5
38	MP-1	Z	-.013	.5
39	MP-1	Z	-.017	1.5
40	MP-1	Z	-.007	2.5
41	MP-2	Z	-.008	.5
42	MP-2	Z	-.008	1.5
43	MP-3	Z	-.008	.5
44	MP-3	Z	-.008	1.5
45	MP-4	Z	-.013	.5
46	MP-4	Z	-.004	1.5
47	MP-5	Z	-.013	.5
48	MP-5	Z	-.007	1.5
49	MP-6	Z	-.008	.5
50	MP-6	Z	-.008	1.5
51	MP-7	Z	-.008	.5
52	MP-7	Z	-.008	1.5
53	MP-8	Z	-.013	.5
54	MP-8	Z	-.004	1.5
55	MP-9	Z	-.011	.5
56	MP-9	Z	-.004	2.5
57	MP-10	Z	-.006	.5
58	MP-10	Z	-.006	1.5
59	MP-11	Z	-.006	.5
60	MP-11	Z	-.005	1.5
61	MP-12	Z	-.011	.5
62	MP-12	Z	-.003	1.5
63	MP-1	Z	-.013	5.5
64	MP-2	Z	-.008	5.5
65	MP-3	Z	-.008	5.5
66	MP-4	Z	-.013	5.5
67	MP-5	Z	-.013	5.5
68	MP-6	Z	-.008	5.5
69	MP-7	Z	-.008	5.5
70	MP-8	Z	-.013	5.5
71	MP-9	Z	-.011	5.5
72	MP-10	Z	-.006	5.5
73	MP-11	Z	-.006	5.5
74	MP-12	Z	-.011	5.5

Member Point Loads (BLC 27 : 180 Wind - Ice)

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

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Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 27 : 180 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.027	.5
2	MP-1	X	.036	1.5
3	MP-1	X	.015	2.5
4	MP-2	X	.018	.5
5	MP-2	X	.018	1.5
6	MP-3	X	.018	.5
7	MP-3	X	.018	1.5
8	MP-4	X	.027	.5
9	MP-4	X	.009	1.5
10	MP-5	X	.027	.5
11	MP-5	X	.015	1.5
12	MP-6	X	.018	.5
13	MP-6	X	.018	1.5
14	MP-7	X	.018	.5
15	MP-7	X	.018	1.5
16	MP-8	X	.027	.5
17	MP-8	X	.009	1.5
18	MP-9	X	.027	.5
19	MP-9	X	.015	2.5
20	MP-10	X	.018	.5
21	MP-10	X	.018	1.5
22	MP-11	X	.018	.5
23	MP-11	X	.018	1.5
24	MP-12	X	.027	.5
25	MP-12	X	.009	1.5
26	MP-1	X	.027	5.5
27	MP-2	X	.018	5.5
28	MP-3	X	.018	5.5
29	MP-4	X	.027	5.5
30	MP-5	X	.027	5.5
31	MP-6	X	.018	5.5
32	MP-7	X	.018	5.5
33	MP-8	X	.027	5.5
34	MP-9	X	.027	5.5
35	MP-10	X	.018	5.5
36	MP-11	X	.018	5.5
37	MP-12	X	.027	5.5

Member Point Loads (BLC 28 : 210 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.022	.5
2	MP-1	X	.03	1.5
3	MP-1	X	.012	2.5
4	MP-2	X	.014	.5
5	MP-2	X	.015	1.5
6	MP-3	X	.014	.5
7	MP-3	X	.014	1.5
8	MP-4	X	.022	.5
9	MP-4	X	.007	1.5
10	MP-5	X	.019	.5
11	MP-5	X	.008	1.5
12	MP-6	X	.01	.5
13	MP-6	X	.011	1.5
14	MP-7	X	.01	.5
15	MP-7	X	.009	1.5
16	MP-8	X	.019	.5

Member Point Loads (BLC 28 : 210 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP-8	X	.005	1.5
18	MP-9	X	.022	.5
19	MP-9	X	.012	2.5
20	MP-10	X	.014	.5
21	MP-10	X	.015	1.5
22	MP-11	X	.014	.5
23	MP-11	X	.014	1.5
24	MP-12	X	.022	.5
25	MP-12	X	.007	1.5
26	MP-1	X	.022	5.5
27	MP-2	X	.014	5.5
28	MP-3	X	.014	5.5
29	MP-4	X	.022	5.5
30	MP-5	X	.019	5.5
31	MP-6	X	.01	5.5
32	MP-7	X	.01	5.5
33	MP-8	X	.019	5.5
34	MP-9	X	.022	5.5
35	MP-10	X	.014	5.5
36	MP-11	X	.014	5.5
37	MP-12	X	.022	5.5
38	MP-1	Z	.013	.5
39	MP-1	Z	.017	1.5
40	MP-1	Z	.007	2.5
41	MP-2	Z	.008	.5
42	MP-2	Z	.008	1.5
43	MP-3	Z	.008	.5
44	MP-3	Z	.008	1.5
45	MP-4	Z	.013	.5
46	MP-4	Z	.004	1.5
47	MP-5	Z	.011	.5
48	MP-5	Z	.004	1.5
49	MP-6	Z	.006	.5
50	MP-6	Z	.006	1.5
51	MP-7	Z	.006	.5
52	MP-7	Z	.005	1.5
53	MP-8	Z	.011	.5
54	MP-8	Z	.003	1.5
55	MP-9	Z	.013	.5
56	MP-9	Z	.007	2.5
57	MP-10	Z	.008	.5
58	MP-10	Z	.008	1.5
59	MP-11	Z	.008	.5
60	MP-11	Z	.008	1.5
61	MP-12	Z	.013	.5
62	MP-12	Z	.004	1.5
63	MP-1	Z	.013	5.5
64	MP-2	Z	.008	5.5
65	MP-3	Z	.008	5.5
66	MP-4	Z	.013	5.5
67	MP-5	Z	.011	5.5
68	MP-6	Z	.006	5.5
69	MP-7	Z	.006	5.5
70	MP-8	Z	.011	5.5
71	MP-9	Z	.013	5.5
72	MP-10	Z	.008	5.5
73	MP-11	Z	.008	5.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 28 : 210 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
74	MP-12	Z	.013	5.5

Member Point Loads (BLC 29 : 225 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.017	.5
2	MP-1	X	.023	1.5
3	MP-1	X	.008	2.5
4	MP-2	X	.011	.5
5	MP-2	X	.011	1.5
6	MP-3	X	.011	.5
7	MP-3	X	.01	1.5
8	MP-4	X	.017	.5
9	MP-4	X	.005	1.5
10	MP-5	X	.016	.5
11	MP-5	X	.006	1.5
12	MP-6	X	.009	.5
13	MP-6	X	.009	1.5
14	MP-7	X	.009	.5
15	MP-7	X	.008	1.5
16	MP-8	X	.016	.5
17	MP-8	X	.004	1.5
18	MP-9	X	.019	.5
19	MP-9	X	.011	2.5
20	MP-10	X	.013	.5
21	MP-10	X	.013	1.5
22	MP-11	X	.013	.5
23	MP-11	X	.013	1.5
24	MP-12	X	.019	.5
25	MP-12	X	.006	1.5
26	MP-1	X	.017	5.5
27	MP-2	X	.011	5.5
28	MP-3	X	.011	5.5
29	MP-4	X	.017	5.5
30	MP-5	X	.016	5.5
31	MP-6	X	.009	5.5
32	MP-7	X	.009	5.5
33	MP-8	X	.016	5.5
34	MP-9	X	.019	5.5
35	MP-10	X	.013	5.5
36	MP-11	X	.013	5.5
37	MP-12	X	.019	5.5
38	MP-1	Z	.017	.5
39	MP-1	Z	.023	1.5
40	MP-1	Z	.008	2.5
41	MP-2	Z	.011	.5
42	MP-2	Z	.011	1.5
43	MP-3	Z	.011	.5
44	MP-3	Z	.01	1.5
45	MP-4	Z	.017	.5
46	MP-4	Z	.005	1.5
47	MP-5	Z	.016	.5
48	MP-5	Z	.006	1.5
49	MP-6	Z	.009	.5
50	MP-6	Z	.009	1.5
51	MP-7	Z	.009	.5
52	MP-7	Z	.008	1.5

Member Point Loads (BLC 29 : 225 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP-8	Z	.016	.5
54	MP-8	Z	.004	1.5
55	MP-9	Z	.019	.5
56	MP-9	Z	.011	2.5
57	MP-10	Z	.013	.5
58	MP-10	Z	.013	1.5
59	MP-11	Z	.013	.5
60	MP-11	Z	.013	1.5
61	MP-12	Z	.019	.5
62	MP-12	Z	.006	1.5
63	MP-1	Z	.017	5.5
64	MP-2	Z	.011	5.5
65	MP-3	Z	.011	5.5
66	MP-4	Z	.017	5.5
67	MP-5	Z	.016	5.5
68	MP-6	Z	.009	5.5
69	MP-7	Z	.009	5.5
70	MP-8	Z	.016	5.5
71	MP-9	Z	.019	5.5
72	MP-10	Z	.013	5.5
73	MP-11	Z	.013	5.5
74	MP-12	Z	.019	5.5

Member Point Loads (BLC 30 : 240 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.012	.5
2	MP-1	X	.015	1.5
3	MP-1	X	.005	2.5
4	MP-2	X	.007	.5
5	MP-2	X	.007	1.5
6	MP-3	X	.007	.5
7	MP-3	X	.006	1.5
8	MP-4	X	.012	.5
9	MP-4	X	.003	1.5
10	MP-5	X	.012	.5
11	MP-5	X	.005	1.5
12	MP-6	X	.007	.5
13	MP-6	X	.007	1.5
14	MP-7	X	.007	.5
15	MP-7	X	.006	1.5
16	MP-8	X	.012	.5
17	MP-8	X	.003	1.5
18	MP-9	X	.013	.5
19	MP-9	X	.008	2.5
20	MP-10	X	.009	.5
21	MP-10	X	.009	1.5
22	MP-11	X	.009	.5
23	MP-11	X	.009	1.5
24	MP-12	X	.013	.5
25	MP-12	X	.005	1.5
26	MP-1	X	.012	5.5
27	MP-2	X	.007	5.5
28	MP-3	X	.007	5.5
29	MP-4	X	.012	5.5
30	MP-5	X	.012	5.5
31	MP-6	X	.007	5.5

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Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 30 : 240 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
32	MP-7	X	.007	5.5
33	MP-8	X	.012	5.5
34	MP-9	X	.013	5.5
35	MP-10	X	.009	5.5
36	MP-11	X	.009	5.5
37	MP-12	X	.013	5.5
38	MP-1	Z	.02	.5
39	MP-1	Z	.027	1.5
40	MP-1	Z	.009	2.5
41	MP-2	Z	.012	.5
42	MP-2	Z	.012	1.5
43	MP-3	Z	.012	.5
44	MP-3	Z	.011	1.5
45	MP-4	Z	.02	.5
46	MP-4	Z	.006	1.5
47	MP-5	Z	.02	.5
48	MP-5	Z	.009	1.5
49	MP-6	Z	.012	.5
50	MP-6	Z	.012	1.5
51	MP-7	Z	.012	.5
52	MP-7	Z	.011	1.5
53	MP-8	Z	.02	.5
54	MP-8	Z	.006	1.5
55	MP-9	Z	.023	.5
56	MP-9	Z	.013	2.5
57	MP-10	Z	.016	.5
58	MP-10	Z	.016	1.5
59	MP-11	Z	.016	.5
60	MP-11	Z	.016	1.5
61	MP-12	Z	.023	.5
62	MP-12	Z	.008	1.5
63	MP-1	Z	.02	5.5
64	MP-2	Z	.012	5.5
65	MP-3	Z	.012	5.5
66	MP-4	Z	.02	5.5
67	MP-5	Z	.02	5.5
68	MP-6	Z	.012	5.5
69	MP-7	Z	.012	5.5
70	MP-8	Z	.02	5.5
71	MP-9	Z	.023	5.5
72	MP-10	Z	.016	5.5
73	MP-11	Z	.016	5.5
74	MP-12	Z	.023	5.5

Member Point Loads (BLC 31 : 270 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.022	.5
2	MP-1	Z	.029	1.5
3	MP-1	Z	.009	2.5
4	MP-2	Z	.012	.5
5	MP-2	Z	.013	1.5
6	MP-3	Z	.012	.5
7	MP-3	Z	.011	1.5
8	MP-4	Z	.022	.5
9	MP-4	Z	.006	1.5
10	MP-5	Z	.022	.5

Member Point Loads (BLC 31 : 270 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP-5	Z	.009	1.5
12	MP-6	Z	.012	.5
13	MP-6	Z	.013	1.5
14	MP-7	Z	.012	.5
15	MP-7	Z	.011	1.5
16	MP-8	Z	.022	.5
17	MP-8	Z	.006	1.5
18	MP-9	Z	.022	.5
19	MP-9	Z	.009	2.5
20	MP-10	Z	.012	.5
21	MP-10	Z	.013	1.5
22	MP-11	Z	.012	.5
23	MP-11	Z	.011	1.5
24	MP-12	Z	.022	.5
25	MP-12	Z	.006	1.5
26	MP-1	Z	.022	5.5
27	MP-2	Z	.012	5.5
28	MP-3	Z	.012	5.5
29	MP-4	Z	.022	5.5
30	MP-5	Z	.022	5.5
31	MP-6	Z	.012	5.5
32	MP-7	Z	.012	5.5
33	MP-8	Z	.022	5.5
34	MP-9	Z	.022	5.5
35	MP-10	Z	.012	5.5
36	MP-11	Z	.012	5.5
37	MP-12	Z	.022	5.5

Member Point Loads (BLC 32 : 300 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.012	.5
2	MP-1	X	-.015	1.5
3	MP-1	X	-.005	2.5
4	MP-2	X	-.007	.5
5	MP-2	X	-.007	1.5
6	MP-3	X	-.007	.5
7	MP-3	X	-.006	1.5
8	MP-4	X	-.012	.5
9	MP-4	X	-.003	1.5
10	MP-5	X	-.013	.5
11	MP-5	X	-.008	1.5
12	MP-6	X	-.009	.5
13	MP-6	X	-.009	1.5
14	MP-7	X	-.009	.5
15	MP-7	X	-.009	1.5
16	MP-8	X	-.013	.5
17	MP-8	X	-.005	1.5
18	MP-9	X	-.012	.5
19	MP-9	X	-.005	2.5
20	MP-10	X	-.007	.5
21	MP-10	X	-.007	1.5
22	MP-11	X	-.007	.5
23	MP-11	X	-.006	1.5
24	MP-12	X	-.012	.5
25	MP-12	X	-.003	1.5
26	MP-1	X	-.012	5.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
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Member Point Loads (BLC 32 : 300 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP-2	X	-.007	5.5
28	MP-3	X	-.007	5.5
29	MP-4	X	-.012	5.5
30	MP-5	X	-.013	5.5
31	MP-6	X	-.009	5.5
32	MP-7	X	-.009	5.5
33	MP-8	X	-.013	5.5
34	MP-9	X	-.012	5.5
35	MP-10	X	-.007	5.5
36	MP-11	X	-.007	5.5
37	MP-12	X	-.012	5.5
38	MP-1	Z	.02	.5
39	MP-1	Z	.027	1.5
40	MP-1	Z	.009	2.5
41	MP-2	Z	.012	.5
42	MP-2	Z	.012	1.5
43	MP-3	Z	.012	.5
44	MP-3	Z	.011	1.5
45	MP-4	Z	.02	.5
46	MP-4	Z	.006	1.5
47	MP-5	Z	.023	.5
48	MP-5	Z	.013	1.5
49	MP-6	Z	.016	.5
50	MP-6	Z	.016	1.5
51	MP-7	Z	.016	.5
52	MP-7	Z	.016	1.5
53	MP-8	Z	.023	.5
54	MP-8	Z	.008	1.5
55	MP-9	Z	.02	.5
56	MP-9	Z	.009	2.5
57	MP-10	Z	.012	.5
58	MP-10	Z	.012	1.5
59	MP-11	Z	.012	.5
60	MP-11	Z	.011	1.5
61	MP-12	Z	.02	.5
62	MP-12	Z	.006	1.5
63	MP-1	Z	.02	5.5
64	MP-2	Z	.012	5.5
65	MP-3	Z	.012	5.5
66	MP-4	Z	.02	5.5
67	MP-5	Z	.023	5.5
68	MP-6	Z	.016	5.5
69	MP-7	Z	.016	5.5
70	MP-8	Z	.023	5.5
71	MP-9	Z	.02	5.5
72	MP-10	Z	.012	5.5
73	MP-11	Z	.012	5.5
74	MP-12	Z	.02	5.5

Member Point Loads (BLC 33 : 315 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.017	.5
2	MP-1	X	-.023	1.5
3	MP-1	X	-.008	2.5
4	MP-2	X	-.011	.5
5	MP-2	X	-.011	1.5

Member Point Loads (BLC 33 : 315 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP-3	X	-.011	.5
7	MP-3	X	-.01	1.5
8	MP-4	X	-.017	.5
9	MP-4	X	-.005	1.5
10	MP-5	X	-.019	.5
11	MP-5	X	-.011	1.5
12	MP-6	X	-.013	.5
13	MP-6	X	-.013	1.5
14	MP-7	X	-.013	.5
15	MP-7	X	-.013	1.5
16	MP-8	X	-.019	.5
17	MP-8	X	-.006	1.5
18	MP-9	X	-.016	.5
19	MP-9	X	-.006	2.5
20	MP-10	X	-.009	.5
21	MP-10	X	-.009	1.5
22	MP-11	X	-.009	.5
23	MP-11	X	-.008	1.5
24	MP-12	X	-.016	.5
25	MP-12	X	-.004	1.5
26	MP-1	X	-.017	5.5
27	MP-2	X	-.011	5.5
28	MP-3	X	-.011	5.5
29	MP-4	X	-.017	5.5
30	MP-5	X	-.019	5.5
31	MP-6	X	-.013	5.5
32	MP-7	X	-.013	5.5
33	MP-8	X	-.019	5.5
34	MP-9	X	-.016	5.5
35	MP-10	X	-.009	5.5
36	MP-11	X	-.009	5.5
37	MP-12	X	-.016	5.5
38	MP-1	Z	.017	.5
39	MP-1	Z	.023	1.5
40	MP-1	Z	.008	2.5
41	MP-2	Z	.011	.5
42	MP-2	Z	.011	1.5
43	MP-3	Z	.011	.5
44	MP-3	Z	.01	1.5
45	MP-4	Z	.017	.5
46	MP-4	Z	.005	1.5
47	MP-5	Z	.019	.5
48	MP-5	Z	.011	1.5
49	MP-6	Z	.013	.5
50	MP-6	Z	.013	1.5
51	MP-7	Z	.013	.5
52	MP-7	Z	.013	1.5
53	MP-8	Z	.019	.5
54	MP-8	Z	.006	1.5
55	MP-9	Z	.016	.5
56	MP-9	Z	.006	2.5
57	MP-10	Z	.009	.5
58	MP-10	Z	.009	1.5
59	MP-11	Z	.009	.5
60	MP-11	Z	.008	1.5
61	MP-12	Z	.016	.5
62	MP-12	Z	.004	1.5

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Point Loads (BLC 33 : 315 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
63	MP-1	Z	.017	5.5
64	MP-2	Z	.011	5.5
65	MP-3	Z	.011	5.5
66	MP-4	Z	.017	5.5
67	MP-5	Z	.019	5.5
68	MP-6	Z	.013	5.5
69	MP-7	Z	.013	5.5
70	MP-8	Z	.019	5.5
71	MP-9	Z	.016	5.5
72	MP-10	Z	.009	5.5
73	MP-11	Z	.009	5.5
74	MP-12	Z	.016	5.5

Member Point Loads (BLC 34 : 330 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.022	.5
2	MP-1	X	-.03	1.5
3	MP-1	X	-.012	2.5
4	MP-2	X	-.014	.5
5	MP-2	X	-.015	1.5
6	MP-3	X	-.014	.5
7	MP-3	X	-.014	1.5
8	MP-4	X	-.022	.5
9	MP-4	X	-.007	1.5
10	MP-5	X	-.022	.5
11	MP-5	X	-.012	1.5
12	MP-6	X	-.014	.5
13	MP-6	X	-.015	1.5
14	MP-7	X	-.014	.5
15	MP-7	X	-.014	1.5
16	MP-8	X	-.022	.5
17	MP-8	X	-.007	1.5
18	MP-9	X	-.019	.5
19	MP-9	X	-.008	2.5
20	MP-10	X	-.01	.5
21	MP-10	X	-.011	1.5
22	MP-11	X	-.01	.5
23	MP-11	X	-.009	1.5
24	MP-12	X	-.019	.5
25	MP-12	X	-.005	1.5
26	MP-1	X	-.022	5.5
27	MP-2	X	-.014	5.5
28	MP-3	X	-.014	5.5
29	MP-4	X	-.022	5.5
30	MP-5	X	-.022	5.5
31	MP-6	X	-.014	5.5
32	MP-7	X	-.014	5.5
33	MP-8	X	-.022	5.5
34	MP-9	X	-.019	5.5
35	MP-10	X	-.01	5.5
36	MP-11	X	-.01	5.5
37	MP-12	X	-.019	5.5
38	MP-1	Z	.013	.5
39	MP-1	Z	.017	1.5
40	MP-1	Z	.007	2.5
41	MP-2	Z	.008	.5

Member Point Loads (BLC 34 : 330 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
42	MP-2	Z	.008	1.5
43	MP-3	Z	.008	.5
44	MP-3	Z	.008	1.5
45	MP-4	Z	.013	.5
46	MP-4	Z	.004	1.5
47	MP-5	Z	.013	.5
48	MP-5	Z	.007	1.5
49	MP-6	Z	.008	.5
50	MP-6	Z	.008	1.5
51	MP-7	Z	.008	.5
52	MP-7	Z	.008	1.5
53	MP-8	Z	.013	.5
54	MP-8	Z	.004	1.5
55	MP-9	Z	.011	.5
56	MP-9	Z	.004	2.5
57	MP-10	Z	.006	.5
58	MP-10	Z	.006	1.5
59	MP-11	Z	.006	.5
60	MP-11	Z	.005	1.5
61	MP-12	Z	.011	.5
62	MP-12	Z	.003	1.5
63	MP-1	Z	.013	5.5
64	MP-2	Z	.008	5.5
65	MP-3	Z	.008	5.5
66	MP-4	Z	.013	5.5
67	MP-5	Z	.013	5.5
68	MP-6	Z	.008	5.5
69	MP-7	Z	.008	5.5
70	MP-8	Z	.013	5.5
71	MP-9	Z	.011	5.5
72	MP-10	Z	.006	5.5
73	MP-11	Z	.006	5.5
74	MP-12	Z	.011	5.5

Member Distributed Loads (BLC 2 : 0 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.023	-.023	0	%100
2	GSI-1	X	-.028	-.028	0	%100
3	GSI-2	X	-.028	-.028	0	%100
4	GSI-3	X	0	0	0	%100
5	GSIP-1	X	-.023	-.023	0	%100
6	GSIP-2	X	-.009	-.009	0	%100
7	GSIP-3	X	-.009	-.009	0	%100
8	HR-1	X	-.011	-.011	0	%100
9	HR-2	X	-.005	-.005	0	%100
10	HR-3	X	-.005	-.005	0	%100
11	HRB-1	X	-.004	-.004	0	%100
12	HRB-2	X	-.011	-.011	0	%100
13	HRB-3	X	-.004	-.004	0	%100
14	HRC-1	X	-.005	-.005	0	%100
15	HRC-2	X	-.011	-.011	0	%100
16	HRC-3	X	-.005	-.005	0	%100
17	MP-1	X	-.011	-.011	0	%100
18	MP-2	X	-.011	-.011	0	%100
19	MP-3	X	-.011	-.011	0	%100

Member Distributed Loads (BLC 2 : 0 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
20	MP-4	X	-.011	-.011	0	%100
21	MP-5	X	-.011	-.011	0	%100
22	MP-6	X	-.011	-.011	0	%100
23	MP-7	X	-.011	-.011	0	%100
24	MP-8	X	-.011	-.011	0	%100
25	MP-9	X	-.011	-.011	0	%100
26	MP-10	X	-.011	-.011	0	%100
27	MP-11	X	-.011	-.011	0	%100
28	MP-12	X	-.011	-.011	0	%100
29	SA-1	X	0	0	0	%100
30	SA-1B	X	0	0	0	%100
31	SA-2	X	-.016	-.016	0	%100
32	SA-2B	X	-.019	-.019	0	%100
33	SA-3	X	-.016	-.016	0	%100
34	SA-3B	X	-.019	-.019	0	%100
35	SF1-TH	X	-.011	-.011	0	%100
36	SF2-TH	X	-.011	-.011	0	%100

Member Distributed Loads (BLC 3 : 30 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.017	-.017	0	%100
2	GSI-1	X	-.014	-.014	0	%100
3	GSI-2	X	-.028	-.028	0	%100
4	GSI-3	X	-.012	-.012	0	%100
5	GSIP-1	X	-.017	-.017	0	%100
6	GSIP-2	X	-.014	-.014	0	%100
7	GSIP-3	X	0	0	0	%100
8	HR-1	X	-.008	-.008	0	%100
9	HR-2	X	0	0	0	%100
10	HR-3	X	-.008	-.008	0	%100
11	HRB-1	X	-.007	-.007	0	%100
12	HRB-2	X	-.008	-.008	0	%100
13	HRB-3	X	0	0	0	%100
14	HRC-1	X	-.007	-.007	0	%100
15	HRC-2	X	-.008	-.008	0	%100
16	HRC-3	X	0	0	0	%100
17	MP-1	X	-.009	-.009	0	%100
18	MP-2	X	-.009	-.009	0	%100
19	MP-3	X	-.009	-.009	0	%100
20	MP-4	X	-.009	-.009	0	%100
21	MP-5	X	-.009	-.009	0	%100
22	MP-6	X	-.009	-.009	0	%100
23	MP-7	X	-.009	-.009	0	%100
24	MP-8	X	-.009	-.009	0	%100
25	MP-9	X	-.009	-.009	0	%100
26	MP-10	X	-.009	-.009	0	%100
27	MP-11	X	-.009	-.009	0	%100
28	MP-12	X	-.009	-.009	0	%100
29	SA-1	X	-.008	-.008	0	%100
30	SA-1B	X	-.009	-.009	0	%100
31	SA-2	X	-.008	-.008	0	%100
32	SA-2B	X	-.01	-.01	0	%100
33	SA-3	X	-.016	-.016	0	%100
34	SA-3B	X	-.019	-.019	0	%100
35	SF1-TH	X	-.017	-.017	0	%100
36	SF2-TH	X	0	0	0	%100

Member Distributed Loads (BLC 3 : 30 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
37	FFTH	Z	-.01	-.01	0	%100
38	GSI-1	Z	-.007	-.007	0	%100
39	GSI-2	Z	-.014	-.014	0	%100
40	GSI-3	Z	-.008	-.008	0	%100
41	GSIP-1	Z	-.01	-.01	0	%100
42	GSIP-2	Z	-.01	-.01	0	%100
43	GSIP-3	Z	0	0	0	%100
44	HR-1	Z	-.005	-.005	0	%100
45	HR-2	Z	0	0	0	%100
46	HR-3	Z	-.005	-.005	0	%100
47	HRB-1	Z	-.005	-.005	0	%100
48	HRB-2	Z	-.005	-.005	0	%100
49	HRB-3	Z	0	0	0	%100
50	HRC-1	Z	-.005	-.005	0	%100
51	HRC-2	Z	-.005	-.005	0	%100
52	HRC-3	Z	0	0	0	%100
53	MP-1	Z	-.005	-.005	0	%100
54	MP-2	Z	-.005	-.005	0	%100
55	MP-3	Z	-.005	-.005	0	%100
56	MP-4	Z	-.005	-.005	0	%100
57	MP-5	Z	-.005	-.005	0	%100
58	MP-6	Z	-.005	-.005	0	%100
59	MP-7	Z	-.005	-.005	0	%100
60	MP-8	Z	-.005	-.005	0	%100
61	MP-9	Z	-.005	-.005	0	%100
62	MP-10	Z	-.005	-.005	0	%100
63	MP-11	Z	-.005	-.005	0	%100
64	MP-12	Z	-.005	-.005	0	%100
65	SA-1	Z	-.005	-.005	0	%100
66	SA-1B	Z	-.006	-.006	0	%100
67	SA-2	Z	-.005	-.005	0	%100
68	SA-2B	Z	-.005	-.005	0	%100
69	SA-3	Z	-.009	-.009	0	%100
70	SA-3B	Z	-.01	-.01	0	%100
71	SF1-TH	Z	-.01	-.01	0	%100
72	SF2-TH	Z	0	0	0	%100

Member Distributed Loads (BLC 4 : 45 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.011	-.011	0	%100
2	GSI-1	X	-.006	-.006	0	%100
3	GSI-2	X	-.022	-.022	0	%100
4	GSI-3	X	-.014	-.014	0	%100
5	GSIP-1	X	-.011	-.011	0	%100
6	GSIP-2	X	-.013	-.013	0	%100
7	GSIP-3	X	-.003	-.003	0	%100
8	HR-1	X	-.005	-.005	0	%100
9	HR-2	X	-.002	-.002	0	%100
10	HR-3	X	-.007	-.007	0	%100
11	HRB-1	X	-.006	-.006	0	%100
12	HRB-2	X	-.005	-.005	0	%100
13	HRB-3	X	-.002	-.002	0	%100
14	HRC-1	X	-.006	-.006	0	%100
15	HRC-2	X	-.005	-.005	0	%100
16	HRC-3	X	-.002	-.002	0	%100
17	MP-1	X	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 4 : 45 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
18	MP-2	X	-.008	-.008	0	%100
19	MP-3	X	-.008	-.008	0	%100
20	MP-4	X	-.008	-.008	0	%100
21	MP-5	X	-.008	-.008	0	%100
22	MP-6	X	-.008	-.008	0	%100
23	MP-7	X	-.008	-.008	0	%100
24	MP-8	X	-.008	-.008	0	%100
25	MP-9	X	-.008	-.008	0	%100
26	MP-10	X	-.008	-.008	0	%100
27	MP-11	X	-.008	-.008	0	%100
28	MP-12	X	-.008	-.008	0	%100
29	SA-1	X	-.009	-.009	0	%100
30	SA-1B	X	-.01	-.01	0	%100
31	SA-2	X	-.003	-.003	0	%100
32	SA-2B	X	-.004	-.004	0	%100
33	SA-3	X	-.012	-.012	0	%100
34	SA-3B	X	-.015	-.015	0	%100
35	SF1-TH	X	-.016	-.016	0	%100
36	SF2-TH	X	-.004	-.004	0	%100
37	FFTH	Z	-.011	-.011	0	%100
38	GSI-1	Z	-.005	-.005	0	%100
39	GSI-2	Z	-.02	-.02	0	%100
40	GSI-3	Z	-.016	-.016	0	%100
41	GSIP-1	Z	-.011	-.011	0	%100
42	GSIP-2	Z	-.015	-.015	0	%100
43	GSIP-3	Z	-.004	-.004	0	%100
44	HR-1	Z	-.005	-.005	0	%100
45	HR-2	Z	-.002	-.002	0	%100
46	HR-3	Z	-.007	-.007	0	%100
47	HRB-1	Z	-.007	-.007	0	%100
48	HRB-2	Z	-.005	-.005	0	%100
49	HRB-3	Z	-.002	-.002	0	%100
50	HRC-1	Z	-.007	-.007	0	%100
51	HRC-2	Z	-.005	-.005	0	%100
52	HRC-3	Z	-.002	-.002	0	%100
53	MP-1	Z	-.008	-.008	0	%100
54	MP-2	Z	-.008	-.008	0	%100
55	MP-3	Z	-.008	-.008	0	%100
56	MP-4	Z	-.008	-.008	0	%100
57	MP-5	Z	-.008	-.008	0	%100
58	MP-6	Z	-.008	-.008	0	%100
59	MP-7	Z	-.008	-.008	0	%100
60	MP-8	Z	-.008	-.008	0	%100
61	MP-9	Z	-.008	-.008	0	%100
62	MP-10	Z	-.008	-.008	0	%100
63	MP-11	Z	-.008	-.008	0	%100
64	MP-12	Z	-.008	-.008	0	%100
65	SA-1	Z	-.009	-.009	0	%100
66	SA-1B	Z	-.011	-.011	0	%100
67	SA-2	Z	-.003	-.003	0	%100
68	SA-2B	Z	-.004	-.004	0	%100
69	SA-3	Z	-.012	-.012	0	%100
70	SA-3B	Z	-.014	-.014	0	%100
71	SF1-TH	Z	-.016	-.016	0	%100
72	SF2-TH	Z	-.004	-.004	0	%100

Member Distributed Loads (BLC 5 : 60 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.006	-.006	0	%100
2	GSI-1	X	0	0	0	%100
3	GSI-2	X	-.014	-.014	0	%100
4	GSI-3	X	-.012	-.012	0	%100
5	GSIP-1	X	-.006	-.006	0	%100
6	GSIP-2	X	-.009	-.009	0	%100
7	GSIP-3	X	-.005	-.005	0	%100
8	HR-1	X	-.003	-.003	0	%100
9	HR-2	X	-.003	-.003	0	%100
10	HR-3	X	-.005	-.005	0	%100
11	HRB-1	X	-.004	-.004	0	%100
12	HRB-2	X	-.003	-.003	0	%100
13	HRB-3	X	-.002	-.002	0	%100
14	HRC-1	X	-.005	-.005	0	%100
15	HRC-2	X	-.003	-.003	0	%100
16	HRC-3	X	-.002	-.002	0	%100
17	MP-1	X	-.005	-.005	0	%100
18	MP-2	X	-.005	-.005	0	%100
19	MP-3	X	-.005	-.005	0	%100
20	MP-4	X	-.005	-.005	0	%100
21	MP-5	X	-.005	-.005	0	%100
22	MP-6	X	-.005	-.005	0	%100
23	MP-7	X	-.005	-.005	0	%100
24	MP-8	X	-.005	-.005	0	%100
25	MP-9	X	-.005	-.005	0	%100
26	MP-10	X	-.005	-.005	0	%100
27	MP-11	X	-.005	-.005	0	%100
28	MP-12	X	-.005	-.005	0	%100
29	SA-1	X	-.008	-.008	0	%100
30	SA-1B	X	-.009	-.009	0	%100
31	SA-2	X	0	0	0	%100
32	SA-2B	X	0	0	0	%100
33	SA-3	X	-.008	-.008	0	%100
34	SA-3B	X	-.01	-.01	0	%100
35	SF1-TH	X	-.011	-.011	0	%100
36	SF2-TH	X	-.006	-.006	0	%100
37	FFTH	Z	-.01	-.01	0	%100
38	GSI-1	Z	0	0	0	%100
39	GSI-2	Z	-.022	-.022	0	%100
40	GSI-3	Z	-.024	-.024	0	%100
41	GSIP-1	Z	-.01	-.01	0	%100
42	GSIP-2	Z	-.019	-.019	0	%100
43	GSIP-3	Z	-.01	-.01	0	%100
44	HR-1	Z	-.005	-.005	0	%100
45	HR-2	Z	-.005	-.005	0	%100
46	HR-3	Z	-.009	-.009	0	%100
47	HRB-1	Z	-.009	-.009	0	%100
48	HRB-2	Z	-.005	-.005	0	%100
49	HRB-3	Z	-.005	-.005	0	%100
50	HRC-1	Z	-.009	-.009	0	%100
51	HRC-2	Z	-.005	-.005	0	%100
52	HRC-3	Z	-.005	-.005	0	%100
53	MP-1	Z	-.009	-.009	0	%100
54	MP-2	Z	-.009	-.009	0	%100
55	MP-3	Z	-.009	-.009	0	%100
56	MP-4	Z	-.009	-.009	0	%100
57	MP-5	Z	-.009	-.009	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 5 : 60 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
58	MP-6	Z	-.009	-.009	0	%100
59	MP-7	Z	-.009	-.009	0	%100
60	MP-8	Z	-.009	-.009	0	%100
61	MP-9	Z	-.009	-.009	0	%100
62	MP-10	Z	-.009	-.009	0	%100
63	MP-11	Z	-.009	-.009	0	%100
64	MP-12	Z	-.009	-.009	0	%100
65	SA-1	Z	-.014	-.014	0	%100
66	SA-1B	Z	-.017	-.017	0	%100
67	SA-2	Z	0	0	0	%100
68	SA-2B	Z	0	0	0	%100
69	SA-3	Z	-.014	-.014	0	%100
70	SA-3B	Z	-.015	-.015	0	%100
71	SF1-TH	Z	-.02	-.02	0	%100
72	SF2-TH	Z	-.01	-.01	0	%100

Member Distributed Loads (BLC 6 : 90 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	Z	0	0	0	%100
2	GSI-1	Z	-.014	-.014	0	%100
3	GSI-2	Z	-.014	-.014	0	%100
4	GSI-3	Z	-.033	-.033	0	%100
5	GSIP-1	Z	0	0	0	%100
6	GSIP-2	Z	-.019	-.019	0	%100
7	GSIP-3	Z	-.019	-.019	0	%100
8	HR-1	Z	0	0	0	%100
9	HR-2	Z	-.009	-.009	0	%100
10	HR-3	Z	-.009	-.009	0	%100
11	HRB-1	Z	-.009	-.009	0	%100
12	HRB-2	Z	0	0	0	%100
13	HRB-3	Z	-.009	-.009	0	%100
14	HRC-1	Z	-.009	-.009	0	%100
15	HRC-2	Z	0	0	0	%100
16	HRC-3	Z	-.009	-.009	0	%100
17	MP-1	Z	-.011	-.011	0	%100
18	MP-2	Z	-.011	-.011	0	%100
19	MP-3	Z	-.011	-.011	0	%100
20	MP-4	Z	-.011	-.011	0	%100
21	MP-5	Z	-.011	-.011	0	%100
22	MP-6	Z	-.011	-.011	0	%100
23	MP-7	Z	-.011	-.011	0	%100
24	MP-8	Z	-.011	-.011	0	%100
25	MP-9	Z	-.011	-.011	0	%100
26	MP-10	Z	-.011	-.011	0	%100
27	MP-11	Z	-.011	-.011	0	%100
28	MP-12	Z	-.011	-.011	0	%100
29	SA-1	Z	-.018	-.018	0	%100
30	SA-1B	Z	-.023	-.023	0	%100
31	SA-2	Z	-.009	-.009	0	%100
32	SA-2B	Z	-.01	-.01	0	%100
33	SA-3	Z	-.009	-.009	0	%100
34	SA-3B	Z	-.01	-.01	0	%100
35	SF1-TH	Z	-.02	-.02	0	%100
36	SF2-TH	Z	-.02	-.02	0	%100

Member Distributed Loads (BLC 7 : 120 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.006	.006	0	%100
2	GSI-1	X	.014	.014	0	%100
3	GSI-2	X	0	0	0	%100
4	GSI-3	X	.012	.012	0	%100
5	GSIP-1	X	.006	.006	0	%100
6	GSIP-2	X	.005	.005	0	%100
7	GSIP-3	X	.009	.009	0	%100
8	HR-1	X	.003	.003	0	%100
9	HR-2	X	.005	.005	0	%100
10	HR-3	X	.003	.003	0	%100
11	HRB-1	X	.002	.002	0	%100
12	HRB-2	X	.003	.003	0	%100
13	HRB-3	X	.004	.004	0	%100
14	HRC-1	X	.002	.002	0	%100
15	HRC-2	X	.003	.003	0	%100
16	HRC-3	X	.005	.005	0	%100
17	MP-1	X	.005	.005	0	%100
18	MP-2	X	.005	.005	0	%100
19	MP-3	X	.005	.005	0	%100
20	MP-4	X	.005	.005	0	%100
21	MP-5	X	.005	.005	0	%100
22	MP-6	X	.005	.005	0	%100
23	MP-7	X	.005	.005	0	%100
24	MP-8	X	.005	.005	0	%100
25	MP-9	X	.005	.005	0	%100
26	MP-10	X	.005	.005	0	%100
27	MP-11	X	.005	.005	0	%100
28	MP-12	X	.005	.005	0	%100
29	SA-1	X	.008	.008	0	%100
30	SA-1B	X	.009	.009	0	%100
31	SA-2	X	.008	.008	0	%100
32	SA-2B	X	.01	.01	0	%100
33	SA-3	X	0	0	0	%100
34	SA-3B	X	0	0	0	%100
35	SF1-TH	X	.006	.006	0	%100
36	SF2-TH	X	.011	.011	0	%100
37	FFTH	Z	-.01	-.01	0	%100
38	GSI-1	Z	-.022	-.022	0	%100
39	GSI-2	Z	0	0	0	%100
40	GSI-3	Z	-.024	-.024	0	%100
41	GSIP-1	Z	-.01	-.01	0	%100
42	GSIP-2	Z	-.01	-.01	0	%100
43	GSIP-3	Z	-.019	-.019	0	%100
44	HR-1	Z	-.005	-.005	0	%100
45	HR-2	Z	-.009	-.009	0	%100
46	HR-3	Z	-.005	-.005	0	%100
47	HRB-1	Z	-.005	-.005	0	%100
48	HRB-2	Z	-.005	-.005	0	%100
49	HRB-3	Z	-.009	-.009	0	%100
50	HRC-1	Z	-.005	-.005	0	%100
51	HRC-2	Z	-.005	-.005	0	%100
52	HRC-3	Z	-.009	-.009	0	%100
53	MP-1	Z	-.009	-.009	0	%100
54	MP-2	Z	-.009	-.009	0	%100
55	MP-3	Z	-.009	-.009	0	%100
56	MP-4	Z	-.009	-.009	0	%100
57	MP-5	Z	-.009	-.009	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 7 : 120 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
58	MP-6	Z	-.009	-.009	0	%100
59	MP-7	Z	-.009	-.009	0	%100
60	MP-8	Z	-.009	-.009	0	%100
61	MP-9	Z	-.009	-.009	0	%100
62	MP-10	Z	-.009	-.009	0	%100
63	MP-11	Z	-.009	-.009	0	%100
64	MP-12	Z	-.009	-.009	0	%100
65	SA-1	Z	-.014	-.014	0	%100
66	SA-1B	Z	-.017	-.017	0	%100
67	SA-2	Z	-.014	-.014	0	%100
68	SA-2B	Z	-.015	-.015	0	%100
69	SA-3	Z	0	0	0	%100
70	SA-3B	Z	0	0	0	%100
71	SF1-TH	Z	-.01	-.01	0	%100
72	SF2-TH	Z	-.02	-.02	0	%100

Member Distributed Loads (BLC 8 : 135 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.011	.011	0	%100
2	GSI-1	X	.022	.022	0	%100
3	GSI-2	X	.006	.006	0	%100
4	GSI-3	X	.014	.014	0	%100
5	GSIP-1	X	.011	.011	0	%100
6	GSIP-2	X	.003	.003	0	%100
7	GSIP-3	X	.013	.013	0	%100
8	HR-1	X	.005	.005	0	%100
9	HR-2	X	.007	.007	0	%100
10	HR-3	X	.002	.002	0	%100
11	HRB-1	X	.002	.002	0	%100
12	HRB-2	X	.005	.005	0	%100
13	HRB-3	X	.006	.006	0	%100
14	HRC-1	X	.002	.002	0	%100
15	HRC-2	X	.005	.005	0	%100
16	HRC-3	X	.006	.006	0	%100
17	MP-1	X	.008	.008	0	%100
18	MP-2	X	.008	.008	0	%100
19	MP-3	X	.008	.008	0	%100
20	MP-4	X	.008	.008	0	%100
21	MP-5	X	.008	.008	0	%100
22	MP-6	X	.008	.008	0	%100
23	MP-7	X	.008	.008	0	%100
24	MP-8	X	.008	.008	0	%100
25	MP-9	X	.008	.008	0	%100
26	MP-10	X	.008	.008	0	%100
27	MP-11	X	.008	.008	0	%100
28	MP-12	X	.008	.008	0	%100
29	SA-1	X	.009	.009	0	%100
30	SA-1B	X	.01	.01	0	%100
31	SA-2	X	.012	.012	0	%100
32	SA-2B	X	.015	.015	0	%100
33	SA-3	X	.003	.003	0	%100
34	SA-3B	X	.004	.004	0	%100
35	SF1-TH	X	.004	.004	0	%100
36	SF2-TH	X	.016	.016	0	%100
37	FFTH	Z	-.011	-.011	0	%100
38	GSI-1	Z	-.02	-.02	0	%100

Member Distributed Loads (BLC 8 : 135 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
39	GSI-2	Z	-.005	-.005	0	%100
40	GSI-3	Z	-.016	-.016	0	%100
41	GSIP-1	Z	-.011	-.011	0	%100
42	GSIP-2	Z	-.004	-.004	0	%100
43	GSIP-3	Z	-.015	-.015	0	%100
44	HR-1	Z	-.005	-.005	0	%100
45	HR-2	Z	-.007	-.007	0	%100
46	HR-3	Z	-.002	-.002	0	%100
47	HRB-1	Z	-.002	-.002	0	%100
48	HRB-2	Z	-.005	-.005	0	%100
49	HRB-3	Z	-.007	-.007	0	%100
50	HRC-1	Z	-.002	-.002	0	%100
51	HRC-2	Z	-.005	-.005	0	%100
52	HRC-3	Z	-.007	-.007	0	%100
53	MP-1	Z	-.008	-.008	0	%100
54	MP-2	Z	-.008	-.008	0	%100
55	MP-3	Z	-.008	-.008	0	%100
56	MP-4	Z	-.008	-.008	0	%100
57	MP-5	Z	-.008	-.008	0	%100
58	MP-6	Z	-.008	-.008	0	%100
59	MP-7	Z	-.008	-.008	0	%100
60	MP-8	Z	-.008	-.008	0	%100
61	MP-9	Z	-.008	-.008	0	%100
62	MP-10	Z	-.008	-.008	0	%100
63	MP-11	Z	-.008	-.008	0	%100
64	MP-12	Z	-.008	-.008	0	%100
65	SA-1	Z	-.009	-.009	0	%100
66	SA-1B	Z	-.011	-.011	0	%100
67	SA-2	Z	-.012	-.012	0	%100
68	SA-2B	Z	-.014	-.014	0	%100
69	SA-3	Z	-.003	-.003	0	%100
70	SA-3B	Z	-.004	-.004	0	%100
71	SF1-TH	Z	-.004	-.004	0	%100
72	SF2-TH	Z	-.016	-.016	0	%100

Member Distributed Loads (BLC 9 : 150 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.017	.017	0	%100
2	GSI-1	X	.028	.028	0	%100
3	GSI-2	X	.014	.014	0	%100
4	GSI-3	X	.012	.012	0	%100
5	GSIP-1	X	.017	.017	0	%100
6	GSIP-2	X	0	0	0	%100
7	GSIP-3	X	.014	.014	0	%100
8	HR-1	X	.008	.008	0	%100
9	HR-2	X	.008	.008	0	%100
10	HR-3	X	0	0	0	%100
11	HRB-1	X	0	0	0	%100
12	HRB-2	X	.008	.008	0	%100
13	HRB-3	X	.007	.007	0	%100
14	HRC-1	X	0	0	0	%100
15	HRC-2	X	.008	.008	0	%100
16	HRC-3	X	.007	.007	0	%100
17	MP-1	X	.009	.009	0	%100
18	MP-2	X	.009	.009	0	%100
19	MP-3	X	.009	.009	0	%100

Member Distributed Loads (BLC 9 : 150 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
20	MP-4	X	.009	.009	0	%100
21	MP-5	X	.009	.009	0	%100
22	MP-6	X	.009	.009	0	%100
23	MP-7	X	.009	.009	0	%100
24	MP-8	X	.009	.009	0	%100
25	MP-9	X	.009	.009	0	%100
26	MP-10	X	.009	.009	0	%100
27	MP-11	X	.009	.009	0	%100
28	MP-12	X	.009	.009	0	%100
29	SA-1	X	.008	.008	0	%100
30	SA-1B	X	.009	.009	0	%100
31	SA-2	X	.016	.016	0	%100
32	SA-2B	X	.019	.019	0	%100
33	SA-3	X	.008	.008	0	%100
34	SA-3B	X	.01	.01	0	%100
35	SF1-TH	X	0	0	0	%100
36	SF2-TH	X	.017	.017	0	%100
37	FFTH	Z	-.01	-.01	0	%100
38	GSI-1	Z	-.014	-.014	0	%100
39	GSI-2	Z	-.007	-.007	0	%100
40	GSI-3	Z	-.008	-.008	0	%100
41	GSIP-1	Z	-.01	-.01	0	%100
42	GSIP-2	Z	0	0	0	%100
43	GSIP-3	Z	-.01	-.01	0	%100
44	HR-1	Z	-.005	-.005	0	%100
45	HR-2	Z	-.005	-.005	0	%100
46	HR-3	Z	0	0	0	%100
47	HRB-1	Z	0	0	0	%100
48	HRB-2	Z	-.005	-.005	0	%100
49	HRB-3	Z	-.005	-.005	0	%100
50	HRC-1	Z	0	0	0	%100
51	HRC-2	Z	-.005	-.005	0	%100
52	HRC-3	Z	-.005	-.005	0	%100
53	MP-1	Z	-.005	-.005	0	%100
54	MP-2	Z	-.005	-.005	0	%100
55	MP-3	Z	-.005	-.005	0	%100
56	MP-4	Z	-.005	-.005	0	%100
57	MP-5	Z	-.005	-.005	0	%100
58	MP-6	Z	-.005	-.005	0	%100
59	MP-7	Z	-.005	-.005	0	%100
60	MP-8	Z	-.005	-.005	0	%100
61	MP-9	Z	-.005	-.005	0	%100
62	MP-10	Z	-.005	-.005	0	%100
63	MP-11	Z	-.005	-.005	0	%100
64	MP-12	Z	-.005	-.005	0	%100
65	SA-1	Z	-.005	-.005	0	%100
66	SA-1B	Z	-.006	-.006	0	%100
67	SA-2	Z	-.009	-.009	0	%100
68	SA-2B	Z	-.01	-.01	0	%100
69	SA-3	Z	-.005	-.005	0	%100
70	SA-3B	Z	-.005	-.005	0	%100
71	SF1-TH	Z	0	0	0	%100
72	SF2-TH	Z	-.01	-.01	0	%100

Member Distributed Loads (BLC 10 : 180 Wind - No Ice)

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

Member Distributed Loads (BLC 10 : 180 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.023	.023	0	%100
2	GSI-1	X	.028	.028	0	%100
3	GSI-2	X	.028	.028	0	%100
4	GSI-3	X	0	0	0	%100
5	GSIP-1	X	.023	.023	0	%100
6	GSIP-2	X	.009	.009	0	%100
7	GSIP-3	X	.009	.009	0	%100
8	HR-1	X	.011	.011	0	%100
9	HR-2	X	.005	.005	0	%100
10	HR-3	X	.005	.005	0	%100
11	HRB-1	X	.004	.004	0	%100
12	HRB-2	X	.011	.011	0	%100
13	HRB-3	X	.004	.004	0	%100
14	HRC-1	X	.005	.005	0	%100
15	HRC-2	X	.011	.011	0	%100
16	HRC-3	X	.005	.005	0	%100
17	MP-1	X	.011	.011	0	%100
18	MP-2	X	.011	.011	0	%100
19	MP-3	X	.011	.011	0	%100
20	MP-4	X	.011	.011	0	%100
21	MP-5	X	.011	.011	0	%100
22	MP-6	X	.011	.011	0	%100
23	MP-7	X	.011	.011	0	%100
24	MP-8	X	.011	.011	0	%100
25	MP-9	X	.011	.011	0	%100
26	MP-10	X	.011	.011	0	%100
27	MP-11	X	.011	.011	0	%100
28	MP-12	X	.011	.011	0	%100
29	SA-1	X	0	0	0	%100
30	SA-1B	X	0	0	0	%100
31	SA-2	X	.016	.016	0	%100
32	SA-2B	X	.019	.019	0	%100
33	SA-3	X	.016	.016	0	%100
34	SA-3B	X	.019	.019	0	%100
35	SF1-TH	X	.011	.011	0	%100
36	SF2-TH	X	.011	.011	0	%100

Member Distributed Loads (BLC 11 : 210 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.017	.017	0	%100
2	GSI-1	X	.014	.014	0	%100
3	GSI-2	X	.028	.028	0	%100
4	GSI-3	X	.012	.012	0	%100
5	GSIP-1	X	.017	.017	0	%100
6	GSIP-2	X	.014	.014	0	%100
7	GSIP-3	X	0	0	0	%100
8	HR-1	X	.008	.008	0	%100
9	HR-2	X	0	0	0	%100
10	HR-3	X	.008	.008	0	%100
11	HRB-1	X	.007	.007	0	%100
12	HRB-2	X	.008	.008	0	%100
13	HRB-3	X	0	0	0	%100
14	HRC-1	X	.007	.007	0	%100
15	HRC-2	X	.008	.008	0	%100
16	HRC-3	X	0	0	0	%100
17	MP-1	X	.009	.009	0	%100

Member Distributed Loads (BLC 11 : 210 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
18	MP-2	X	.009	.009	0	%100
19	MP-3	X	.009	.009	0	%100
20	MP-4	X	.009	.009	0	%100
21	MP-5	X	.009	.009	0	%100
22	MP-6	X	.009	.009	0	%100
23	MP-7	X	.009	.009	0	%100
24	MP-8	X	.009	.009	0	%100
25	MP-9	X	.009	.009	0	%100
26	MP-10	X	.009	.009	0	%100
27	MP-11	X	.009	.009	0	%100
28	MP-12	X	.009	.009	0	%100
29	SA-1	X	.008	.008	0	%100
30	SA-1B	X	.009	.009	0	%100
31	SA-2	X	.008	.008	0	%100
32	SA-2B	X	.01	.01	0	%100
33	SA-3	X	.016	.016	0	%100
34	SA-3B	X	.019	.019	0	%100
35	SF1-TH	X	.017	.017	0	%100
36	SF2-TH	X	0	0	0	%100
37	FFTH	Z	.01	.01	0	%100
38	GSI-1	Z	.007	.007	0	%100
39	GSI-2	Z	.014	.014	0	%100
40	GSI-3	Z	.008	.008	0	%100
41	GSIP-1	Z	.01	.01	0	%100
42	GSIP-2	Z	.01	.01	0	%100
43	GSIP-3	Z	0	0	0	%100
44	HR-1	Z	.005	.005	0	%100
45	HR-2	Z	0	0	0	%100
46	HR-3	Z	.005	.005	0	%100
47	HRB-1	Z	.005	.005	0	%100
48	HRB-2	Z	.005	.005	0	%100
49	HRB-3	Z	0	0	0	%100
50	HRC-1	Z	.005	.005	0	%100
51	HRC-2	Z	.005	.005	0	%100
52	HRC-3	Z	0	0	0	%100
53	MP-1	Z	.005	.005	0	%100
54	MP-2	Z	.005	.005	0	%100
55	MP-3	Z	.005	.005	0	%100
56	MP-4	Z	.005	.005	0	%100
57	MP-5	Z	.005	.005	0	%100
58	MP-6	Z	.005	.005	0	%100
59	MP-7	Z	.005	.005	0	%100
60	MP-8	Z	.005	.005	0	%100
61	MP-9	Z	.005	.005	0	%100
62	MP-10	Z	.005	.005	0	%100
63	MP-11	Z	.005	.005	0	%100
64	MP-12	Z	.005	.005	0	%100
65	SA-1	Z	.005	.005	0	%100
66	SA-1B	Z	.006	.006	0	%100
67	SA-2	Z	.005	.005	0	%100
68	SA-2B	Z	.005	.005	0	%100
69	SA-3	Z	.009	.009	0	%100
70	SA-3B	Z	.01	.01	0	%100
71	SF1-TH	Z	.01	.01	0	%100
72	SF2-TH	Z	0	0	0	%100

Member Distributed Loads (BLC 12 : 225 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.011	.011	0	%100
2	GSI-1	X	.006	.006	0	%100
3	GSI-2	X	.022	.022	0	%100
4	GSI-3	X	.014	.014	0	%100
5	GSIP-1	X	.011	.011	0	%100
6	GSIP-2	X	.013	.013	0	%100
7	GSIP-3	X	.003	.003	0	%100
8	HR-1	X	.005	.005	0	%100
9	HR-2	X	.002	.002	0	%100
10	HR-3	X	.007	.007	0	%100
11	HRB-1	X	.006	.006	0	%100
12	HRB-2	X	.005	.005	0	%100
13	HRB-3	X	.002	.002	0	%100
14	HRC-1	X	.006	.006	0	%100
15	HRC-2	X	.005	.005	0	%100
16	HRC-3	X	.002	.002	0	%100
17	MP-1	X	.008	.008	0	%100
18	MP-2	X	.008	.008	0	%100
19	MP-3	X	.008	.008	0	%100
20	MP-4	X	.008	.008	0	%100
21	MP-5	X	.008	.008	0	%100
22	MP-6	X	.008	.008	0	%100
23	MP-7	X	.008	.008	0	%100
24	MP-8	X	.008	.008	0	%100
25	MP-9	X	.008	.008	0	%100
26	MP-10	X	.008	.008	0	%100
27	MP-11	X	.008	.008	0	%100
28	MP-12	X	.008	.008	0	%100
29	SA-1	X	.009	.009	0	%100
30	SA-1B	X	.01	.01	0	%100
31	SA-2	X	.003	.003	0	%100
32	SA-2B	X	.004	.004	0	%100
33	SA-3	X	.012	.012	0	%100
34	SA-3B	X	.015	.015	0	%100
35	SF1-TH	X	.016	.016	0	%100
36	SF2-TH	X	.004	.004	0	%100
37	FFTH	Z	.011	.011	0	%100
38	GSI-1	Z	.005	.005	0	%100
39	GSI-2	Z	.02	.02	0	%100
40	GSI-3	Z	.016	.016	0	%100
41	GSIP-1	Z	.011	.011	0	%100
42	GSIP-2	Z	.015	.015	0	%100
43	GSIP-3	Z	.004	.004	0	%100
44	HR-1	Z	.005	.005	0	%100
45	HR-2	Z	.002	.002	0	%100
46	HR-3	Z	.007	.007	0	%100
47	HRB-1	Z	.007	.007	0	%100
48	HRB-2	Z	.005	.005	0	%100
49	HRB-3	Z	.002	.002	0	%100
50	HRC-1	Z	.007	.007	0	%100
51	HRC-2	Z	.005	.005	0	%100
52	HRC-3	Z	.002	.002	0	%100
53	MP-1	Z	.008	.008	0	%100
54	MP-2	Z	.008	.008	0	%100
55	MP-3	Z	.008	.008	0	%100
56	MP-4	Z	.008	.008	0	%100
57	MP-5	Z	.008	.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 12 : 225 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
58	MP-6	Z	.008	.008	0	%100
59	MP-7	Z	.008	.008	0	%100
60	MP-8	Z	.008	.008	0	%100
61	MP-9	Z	.008	.008	0	%100
62	MP-10	Z	.008	.008	0	%100
63	MP-11	Z	.008	.008	0	%100
64	MP-12	Z	.008	.008	0	%100
65	SA-1	Z	.009	.009	0	%100
66	SA-1B	Z	.011	.011	0	%100
67	SA-2	Z	.003	.003	0	%100
68	SA-2B	Z	.004	.004	0	%100
69	SA-3	Z	.012	.012	0	%100
70	SA-3B	Z	.014	.014	0	%100
71	SF1-TH	Z	.016	.016	0	%100
72	SF2-TH	Z	.004	.004	0	%100

Member Distributed Loads (BLC 13 : 240 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.006	.006	0	%100
2	GSI-1	X	0	0	0	%100
3	GSI-2	X	.014	.014	0	%100
4	GSI-3	X	.012	.012	0	%100
5	GSIP-1	X	.006	.006	0	%100
6	GSIP-2	X	.009	.009	0	%100
7	GSIP-3	X	.005	.005	0	%100
8	HR-1	X	.003	.003	0	%100
9	HR-2	X	.003	.003	0	%100
10	HR-3	X	.005	.005	0	%100
11	HRB-1	X	.004	.004	0	%100
12	HRB-2	X	.003	.003	0	%100
13	HRB-3	X	.002	.002	0	%100
14	HRC-1	X	.005	.005	0	%100
15	HRC-2	X	.003	.003	0	%100
16	HRC-3	X	.002	.002	0	%100
17	MP-1	X	.005	.005	0	%100
18	MP-2	X	.005	.005	0	%100
19	MP-3	X	.005	.005	0	%100
20	MP-4	X	.005	.005	0	%100
21	MP-5	X	.005	.005	0	%100
22	MP-6	X	.005	.005	0	%100
23	MP-7	X	.005	.005	0	%100
24	MP-8	X	.005	.005	0	%100
25	MP-9	X	.005	.005	0	%100
26	MP-10	X	.005	.005	0	%100
27	MP-11	X	.005	.005	0	%100
28	MP-12	X	.005	.005	0	%100
29	SA-1	X	.008	.008	0	%100
30	SA-1B	X	.009	.009	0	%100
31	SA-2	X	0	0	0	%100
32	SA-2B	X	0	0	0	%100
33	SA-3	X	.008	.008	0	%100
34	SA-3B	X	.01	.01	0	%100
35	SF1-TH	X	.011	.011	0	%100
36	SF2-TH	X	.006	.006	0	%100
37	FFTH	Z	.01	.01	0	%100
38	GSI-1	Z	0	0	0	%100

Member Distributed Loads (BLC 13 : 240 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
39	GSI-2	Z	.022	.022	0	%100
40	GSI-3	Z	.024	.024	0	%100
41	GSIP-1	Z	.01	.01	0	%100
42	GSIP-2	Z	.019	.019	0	%100
43	GSIP-3	Z	.01	.01	0	%100
44	HR-1	Z	.005	.005	0	%100
45	HR-2	Z	.005	.005	0	%100
46	HR-3	Z	.009	.009	0	%100
47	HRB-1	Z	.009	.009	0	%100
48	HRB-2	Z	.005	.005	0	%100
49	HRB-3	Z	.005	.005	0	%100
50	HRC-1	Z	.009	.009	0	%100
51	HRC-2	Z	.005	.005	0	%100
52	HRC-3	Z	.005	.005	0	%100
53	MP-1	Z	.009	.009	0	%100
54	MP-2	Z	.009	.009	0	%100
55	MP-3	Z	.009	.009	0	%100
56	MP-4	Z	.009	.009	0	%100
57	MP-5	Z	.009	.009	0	%100
58	MP-6	Z	.009	.009	0	%100
59	MP-7	Z	.009	.009	0	%100
60	MP-8	Z	.009	.009	0	%100
61	MP-9	Z	.009	.009	0	%100
62	MP-10	Z	.009	.009	0	%100
63	MP-11	Z	.009	.009	0	%100
64	MP-12	Z	.009	.009	0	%100
65	SA-1	Z	.014	.014	0	%100
66	SA-1B	Z	.017	.017	0	%100
67	SA-2	Z	0	0	0	%100
68	SA-2B	Z	0	0	0	%100
69	SA-3	Z	.014	.014	0	%100
70	SA-3B	Z	.015	.015	0	%100
71	SF1-TH	Z	.02	.02	0	%100
72	SF2-TH	Z	.01	.01	0	%100

Member Distributed Loads (BLC 14 : 270 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	Z	0	0	0	%100
2	GSI-1	Z	.014	.014	0	%100
3	GSI-2	Z	.014	.014	0	%100
4	GSI-3	Z	.033	.033	0	%100
5	GSIP-1	Z	0	0	0	%100
6	GSIP-2	Z	.019	.019	0	%100
7	GSIP-3	Z	.019	.019	0	%100
8	HR-1	Z	0	0	0	%100
9	HR-2	Z	.009	.009	0	%100
10	HR-3	Z	.009	.009	0	%100
11	HRB-1	Z	.009	.009	0	%100
12	HRB-2	Z	0	0	0	%100
13	HRB-3	Z	.009	.009	0	%100
14	HRC-1	Z	.009	.009	0	%100
15	HRC-2	Z	0	0	0	%100
16	HRC-3	Z	.009	.009	0	%100
17	MP-1	Z	.011	.011	0	%100
18	MP-2	Z	.011	.011	0	%100
19	MP-3	Z	.011	.011	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 14 : 270 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
20	MP-4	Z	.011	.011	0	%100
21	MP-5	Z	.011	.011	0	%100
22	MP-6	Z	.011	.011	0	%100
23	MP-7	Z	.011	.011	0	%100
24	MP-8	Z	.011	.011	0	%100
25	MP-9	Z	.011	.011	0	%100
26	MP-10	Z	.011	.011	0	%100
27	MP-11	Z	.011	.011	0	%100
28	MP-12	Z	.011	.011	0	%100
29	SA-1	Z	.018	.018	0	%100
30	SA-1B	Z	.023	.023	0	%100
31	SA-2	Z	.009	.009	0	%100
32	SA-2B	Z	.01	.01	0	%100
33	SA-3	Z	.009	.009	0	%100
34	SA-3B	Z	.01	.01	0	%100
35	SF1-TH	Z	.02	.02	0	%100
36	SF2-TH	Z	.02	.02	0	%100

Member Distributed Loads (BLC 15 : 300 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.006	-.006	0	%100
2	GSI-1	X	-.014	-.014	0	%100
3	GSI-2	X	0	0	0	%100
4	GSI-3	X	-.012	-.012	0	%100
5	GSIP-1	X	-.006	-.006	0	%100
6	GSIP-2	X	-.005	-.005	0	%100
7	GSIP-3	X	-.009	-.009	0	%100
8	HR-1	X	-.003	-.003	0	%100
9	HR-2	X	-.005	-.005	0	%100
10	HR-3	X	-.003	-.003	0	%100
11	HRB-1	X	-.002	-.002	0	%100
12	HRB-2	X	-.003	-.003	0	%100
13	HRB-3	X	-.004	-.004	0	%100
14	HRC-1	X	-.002	-.002	0	%100
15	HRC-2	X	-.003	-.003	0	%100
16	HRC-3	X	-.005	-.005	0	%100
17	MP-1	X	-.005	-.005	0	%100
18	MP-2	X	-.005	-.005	0	%100
19	MP-3	X	-.005	-.005	0	%100
20	MP-4	X	-.005	-.005	0	%100
21	MP-5	X	-.005	-.005	0	%100
22	MP-6	X	-.005	-.005	0	%100
23	MP-7	X	-.005	-.005	0	%100
24	MP-8	X	-.005	-.005	0	%100
25	MP-9	X	-.005	-.005	0	%100
26	MP-10	X	-.005	-.005	0	%100
27	MP-11	X	-.005	-.005	0	%100
28	MP-12	X	-.005	-.005	0	%100
29	SA-1	X	-.008	-.008	0	%100
30	SA-1B	X	-.009	-.009	0	%100
31	SA-2	X	-.008	-.008	0	%100
32	SA-2B	X	-.01	-.01	0	%100
33	SA-3	X	0	0	0	%100
34	SA-3B	X	0	0	0	%100
35	SF1-TH	X	-.006	-.006	0	%100
36	SF2-TH	X	-.011	-.011	0	%100

Member Distributed Loads (BLC 15 : 300 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
37	FFTH	Z	.01	.01	0	%100
38	GSI-1	Z	.022	.022	0	%100
39	GSI-2	Z	0	0	0	%100
40	GSI-3	Z	.024	.024	0	%100
41	GSIP-1	Z	.01	.01	0	%100
42	GSIP-2	Z	.01	.01	0	%100
43	GSIP-3	Z	.019	.019	0	%100
44	HR-1	Z	.005	.005	0	%100
45	HR-2	Z	.009	.009	0	%100
46	HR-3	Z	.005	.005	0	%100
47	HRB-1	Z	.005	.005	0	%100
48	HRB-2	Z	.005	.005	0	%100
49	HRB-3	Z	.009	.009	0	%100
50	HRC-1	Z	.005	.005	0	%100
51	HRC-2	Z	.005	.005	0	%100
52	HRC-3	Z	.009	.009	0	%100
53	MP-1	Z	.009	.009	0	%100
54	MP-2	Z	.009	.009	0	%100
55	MP-3	Z	.009	.009	0	%100
56	MP-4	Z	.009	.009	0	%100
57	MP-5	Z	.009	.009	0	%100
58	MP-6	Z	.009	.009	0	%100
59	MP-7	Z	.009	.009	0	%100
60	MP-8	Z	.009	.009	0	%100
61	MP-9	Z	.009	.009	0	%100
62	MP-10	Z	.009	.009	0	%100
63	MP-11	Z	.009	.009	0	%100
64	MP-12	Z	.009	.009	0	%100
65	SA-1	Z	.014	.014	0	%100
66	SA-1B	Z	.017	.017	0	%100
67	SA-2	Z	.014	.014	0	%100
68	SA-2B	Z	.015	.015	0	%100
69	SA-3	Z	0	0	0	%100
70	SA-3B	Z	0	0	0	%100
71	SF1-TH	Z	.01	.01	0	%100
72	SF2-TH	Z	.02	.02	0	%100

Member Distributed Loads (BLC 16 : 315 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.011	-.011	0	%100
2	GSI-1	X	-.022	-.022	0	%100
3	GSI-2	X	-.006	-.006	0	%100
4	GSI-3	X	-.014	-.014	0	%100
5	GSIP-1	X	-.011	-.011	0	%100
6	GSIP-2	X	-.003	-.003	0	%100
7	GSIP-3	X	-.013	-.013	0	%100
8	HR-1	X	-.005	-.005	0	%100
9	HR-2	X	-.007	-.007	0	%100
10	HR-3	X	-.002	-.002	0	%100
11	HRB-1	X	-.002	-.002	0	%100
12	HRB-2	X	-.005	-.005	0	%100
13	HRB-3	X	-.006	-.006	0	%100
14	HRC-1	X	-.002	-.002	0	%100
15	HRC-2	X	-.005	-.005	0	%100
16	HRC-3	X	-.006	-.006	0	%100
17	MP-1	X	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 16 : 315 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
18	MP-2	X	-.008	-.008	0	%100
19	MP-3	X	-.008	-.008	0	%100
20	MP-4	X	-.008	-.008	0	%100
21	MP-5	X	-.008	-.008	0	%100
22	MP-6	X	-.008	-.008	0	%100
23	MP-7	X	-.008	-.008	0	%100
24	MP-8	X	-.008	-.008	0	%100
25	MP-9	X	-.008	-.008	0	%100
26	MP-10	X	-.008	-.008	0	%100
27	MP-11	X	-.008	-.008	0	%100
28	MP-12	X	-.008	-.008	0	%100
29	SA-1	X	-.009	-.009	0	%100
30	SA-1B	X	-.01	-.01	0	%100
31	SA-2	X	-.012	-.012	0	%100
32	SA-2B	X	-.015	-.015	0	%100
33	SA-3	X	-.003	-.003	0	%100
34	SA-3B	X	-.004	-.004	0	%100
35	SF1-TH	X	-.004	-.004	0	%100
36	SF2-TH	X	-.016	-.016	0	%100
37	FFTH	Z	.011	.011	0	%100
38	GSI-1	Z	.02	.02	0	%100
39	GSI-2	Z	.005	.005	0	%100
40	GSI-3	Z	.016	.016	0	%100
41	GSIP-1	Z	.011	.011	0	%100
42	GSIP-2	Z	.004	.004	0	%100
43	GSIP-3	Z	.015	.015	0	%100
44	HR-1	Z	.005	.005	0	%100
45	HR-2	Z	.007	.007	0	%100
46	HR-3	Z	.002	.002	0	%100
47	HRB-1	Z	.002	.002	0	%100
48	HRB-2	Z	.005	.005	0	%100
49	HRB-3	Z	.007	.007	0	%100
50	HRC-1	Z	.002	.002	0	%100
51	HRC-2	Z	.005	.005	0	%100
52	HRC-3	Z	.007	.007	0	%100
53	MP-1	Z	.008	.008	0	%100
54	MP-2	Z	.008	.008	0	%100
55	MP-3	Z	.008	.008	0	%100
56	MP-4	Z	.008	.008	0	%100
57	MP-5	Z	.008	.008	0	%100
58	MP-6	Z	.008	.008	0	%100
59	MP-7	Z	.008	.008	0	%100
60	MP-8	Z	.008	.008	0	%100
61	MP-9	Z	.008	.008	0	%100
62	MP-10	Z	.008	.008	0	%100
63	MP-11	Z	.008	.008	0	%100
64	MP-12	Z	.008	.008	0	%100
65	SA-1	Z	.009	.009	0	%100
66	SA-1B	Z	.011	.011	0	%100
67	SA-2	Z	.012	.012	0	%100
68	SA-2B	Z	.014	.014	0	%100
69	SA-3	Z	.003	.003	0	%100
70	SA-3B	Z	.004	.004	0	%100
71	SF1-TH	Z	.004	.004	0	%100
72	SF2-TH	Z	.016	.016	0	%100

Member Distributed Loads (BLC 17 : 330 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.017	-.017	0	%100
2	GSI-1	X	-.028	-.028	0	%100
3	GSI-2	X	-.014	-.014	0	%100
4	GSI-3	X	-.012	-.012	0	%100
5	GSIP-1	X	-.017	-.017	0	%100
6	GSIP-2	X	0	0	0	%100
7	GSIP-3	X	-.014	-.014	0	%100
8	HR-1	X	-.008	-.008	0	%100
9	HR-2	X	-.008	-.008	0	%100
10	HR-3	X	0	0	0	%100
11	HRB-1	X	0	0	0	%100
12	HRB-2	X	-.008	-.008	0	%100
13	HRB-3	X	-.007	-.007	0	%100
14	HRC-1	X	0	0	0	%100
15	HRC-2	X	-.008	-.008	0	%100
16	HRC-3	X	-.007	-.007	0	%100
17	MP-1	X	-.009	-.009	0	%100
18	MP-2	X	-.009	-.009	0	%100
19	MP-3	X	-.009	-.009	0	%100
20	MP-4	X	-.009	-.009	0	%100
21	MP-5	X	-.009	-.009	0	%100
22	MP-6	X	-.009	-.009	0	%100
23	MP-7	X	-.009	-.009	0	%100
24	MP-8	X	-.009	-.009	0	%100
25	MP-9	X	-.009	-.009	0	%100
26	MP-10	X	-.009	-.009	0	%100
27	MP-11	X	-.009	-.009	0	%100
28	MP-12	X	-.009	-.009	0	%100
29	SA-1	X	-.008	-.008	0	%100
30	SA-1B	X	-.009	-.009	0	%100
31	SA-2	X	-.016	-.016	0	%100
32	SA-2B	X	-.019	-.019	0	%100
33	SA-3	X	-.008	-.008	0	%100
34	SA-3B	X	-.01	-.01	0	%100
35	SF1-TH	X	0	0	0	%100
36	SF2-TH	X	-.017	-.017	0	%100
37	FFTH	Z	.01	.01	0	%100
38	GSI-1	Z	.014	.014	0	%100
39	GSI-2	Z	.007	.007	0	%100
40	GSI-3	Z	.008	.008	0	%100
41	GSIP-1	Z	.01	.01	0	%100
42	GSIP-2	Z	0	0	0	%100
43	GSIP-3	Z	.01	.01	0	%100
44	HR-1	Z	.005	.005	0	%100
45	HR-2	Z	.005	.005	0	%100
46	HR-3	Z	0	0	0	%100
47	HRB-1	Z	0	0	0	%100
48	HRB-2	Z	.005	.005	0	%100
49	HRB-3	Z	.005	.005	0	%100
50	HRC-1	Z	0	0	0	%100
51	HRC-2	Z	.005	.005	0	%100
52	HRC-3	Z	.005	.005	0	%100
53	MP-1	Z	.005	.005	0	%100
54	MP-2	Z	.005	.005	0	%100
55	MP-3	Z	.005	.005	0	%100
56	MP-4	Z	.005	.005	0	%100
57	MP-5	Z	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 17 : 330 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
58	MP-6	Z	.005	.005	0	%100
59	MP-7	Z	.005	.005	0	%100
60	MP-8	Z	.005	.005	0	%100
61	MP-9	Z	.005	.005	0	%100
62	MP-10	Z	.005	.005	0	%100
63	MP-11	Z	.005	.005	0	%100
64	MP-12	Z	.005	.005	0	%100
65	SA-1	Z	.005	.005	0	%100
66	SA-1B	Z	.006	.006	0	%100
67	SA-2	Z	.009	.009	0	%100
68	SA-2B	Z	.01	.01	0	%100
69	SA-3	Z	.005	.005	0	%100
70	SA-3B	Z	.005	.005	0	%100
71	SF1-TH	Z	0	0	0	%100
72	SF2-TH	Z	.01	.01	0	%100

Member Distributed Loads (BLC 18 : Ice Weight)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	Y	-.005	-.005	0	%100
2	GSI-1	Y	-.008	-.008	0	%100
3	GSI-2	Y	-.008	-.008	0	%100
4	GSI-3	Y	-.008	-.008	0	%100
5	GSIP-1	Y	-.006	-.006	0	%100
6	GSIP-2	Y	-.006	-.006	0	%100
7	GSIP-3	Y	-.006	-.006	0	%100
8	HR-1	Y	-.005	-.005	0	%100
9	HR-2	Y	-.005	-.005	0	%100
10	HR-3	Y	-.005	-.005	0	%100
11	HRB-1	Y	-.005	-.005	0	%100
12	HRB-2	Y	-.005	-.005	0	%100
13	HRB-3	Y	-.005	-.005	0	%100
14	HRC-1	Y	-.004	-.004	0	%100
15	HRC-2	Y	-.004	-.004	0	%100
16	HRC-3	Y	-.004	-.004	0	%100
17	MP-1	Y	-.005	-.005	0	%100
18	MP-2	Y	-.005	-.005	0	%100
19	MP-3	Y	-.005	-.005	0	%100
20	MP-4	Y	-.005	-.005	0	%100
21	MP-5	Y	-.005	-.005	0	%100
22	MP-6	Y	-.005	-.005	0	%100
23	MP-7	Y	-.005	-.005	0	%100
24	MP-8	Y	-.005	-.005	0	%100
25	MP-9	Y	-.005	-.005	0	%100
26	MP-10	Y	-.005	-.005	0	%100
27	MP-11	Y	-.005	-.005	0	%100
28	MP-12	Y	-.005	-.005	0	%100
29	SA-1	Y	-.009	-.009	0	%100
30	SA-1B	Y	-.009	-.009	0	%100
31	SA-2	Y	-.009	-.009	0	%100
32	SA-2B	Y	-.009	-.009	0	%100
33	SA-3	Y	-.009	-.009	0	%100
34	SA-3B	Y	-.009	-.009	0	%100
35	SF1-TH	Y	-.005	-.005	0	%100
36	SF2-TH	Y	-.005	-.005	0	%100

Member Distributed Loads (BLC 19 : 0 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.007	-.007	0	%100
2	GSI-1	X	-.007	-.007	0	%100
3	GSI-2	X	-.007	-.007	0	%100
4	GSI-3	X	-.006	-.006	0	%100
5	GSIP-1	X	-.006	-.006	0	%100
6	GSIP-2	X	-.005	-.005	0	%100
7	GSIP-3	X	-.005	-.005	0	%100
8	HR-1	X	-.003	-.003	0	%100
9	HR-2	X	-.003	-.003	0	%100
10	HR-3	X	-.003	-.003	0	%100
11	HRB-1	X	-.002	-.002	0	%100
12	HRB-2	X	-.003	-.003	0	%100
13	HRB-3	X	-.002	-.002	0	%100
14	HRC-1	X	-.004	-.004	0	%100
15	HRC-2	X	-.004	-.004	0	%100
16	HRC-3	X	-.004	-.004	0	%100
17	MP-1	X	-.003	-.003	0	%100
18	MP-2	X	-.003	-.003	0	%100
19	MP-3	X	-.003	-.003	0	%100
20	MP-4	X	-.003	-.003	0	%100
21	MP-5	X	-.003	-.003	0	%100
22	MP-6	X	-.003	-.003	0	%100
23	MP-7	X	-.003	-.003	0	%100
24	MP-8	X	-.003	-.003	0	%100
25	MP-9	X	-.003	-.003	0	%100
26	MP-10	X	-.003	-.003	0	%100
27	MP-11	X	-.003	-.003	0	%100
28	MP-12	X	-.003	-.003	0	%100
29	SA-1	X	-.006	-.006	0	%100
30	SA-1B	X	-.005	-.005	0	%100
31	SA-2	X	-.006	-.006	0	%100
32	SA-2B	X	-.006	-.006	0	%100
33	SA-3	X	-.006	-.006	0	%100
34	SA-3B	X	-.006	-.006	0	%100
35	SF1-TH	X	-.006	-.006	0	%100
36	SF2-TH	X	-.006	-.006	0	%100

Member Distributed Loads (BLC 20 : 30 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.005	-.005	0	%100
2	GSI-1	X	-.003	-.003	0	%100
3	GSI-2	X	-.006	-.006	0	%100
4	GSI-3	X	-.003	-.003	0	%100
5	GSIP-1	X	-.004	-.004	0	%100
6	GSIP-2	X	-.004	-.004	0	%100
7	GSIP-3	X	0	0	0	%100
8	HR-1	X	-.003	-.003	0	%100
9	HR-2	X	0	0	0	%100
10	HR-3	X	-.002	-.002	0	%100
11	HRB-1	X	-.002	-.002	0	%100
12	HRB-2	X	-.002	-.002	0	%100
13	HRB-3	X	0	0	0	%100
14	HRC-1	X	-.003	-.003	0	%100
15	HRC-2	X	-.003	-.003	0	%100
16	HRC-3	X	0	0	0	%100
17	MP-1	X	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 20 : 30 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
18	MP-2	X	-.002	-.002	0	%100
19	MP-3	X	-.002	-.002	0	%100
20	MP-4	X	-.002	-.002	0	%100
21	MP-5	X	-.002	-.002	0	%100
22	MP-6	X	-.002	-.002	0	%100
23	MP-7	X	-.002	-.002	0	%100
24	MP-8	X	-.002	-.002	0	%100
25	MP-9	X	-.002	-.002	0	%100
26	MP-10	X	-.002	-.002	0	%100
27	MP-11	X	-.002	-.002	0	%100
28	MP-12	X	-.002	-.002	0	%100
29	SA-1	X	-.002	-.002	0	%100
30	SA-1B	X	-.002	-.002	0	%100
31	SA-2	X	-.002	-.002	0	%100
32	SA-2B	X	-.002	-.002	0	%100
33	SA-3	X	-.005	-.005	0	%100
34	SA-3B	X	-.005	-.005	0	%100
35	SF1-TH	X	-.004	-.004	0	%100
36	SF2-TH	X	0	0	0	%100
37	FFTH	Z	-.003	-.003	0	%100
38	GSI-1	Z	-.002	-.002	0	%100
39	GSI-2	Z	-.003	-.003	0	%100
40	GSI-3	Z	-.002	-.002	0	%100
41	GSIP-1	Z	-.002	-.002	0	%100
42	GSIP-2	Z	-.002	-.002	0	%100
43	GSIP-3	Z	0	0	0	%100
44	HR-1	Z	-.001	-.001	0	%100
45	HR-2	Z	0	0	0	%100
46	HR-3	Z	-.001	-.001	0	%100
47	HRB-1	Z	-.001	-.001	0	%100
48	HRB-2	Z	-.001	-.001	0	%100
49	HRB-3	Z	0	0	0	%100
50	HRC-1	Z	-.002	-.002	0	%100
51	HRC-2	Z	-.001	-.001	0	%100
52	HRC-3	Z	0	0	0	%100
53	MP-1	Z	-.001	-.001	0	%100
54	MP-2	Z	-.001	-.001	0	%100
55	MP-3	Z	-.001	-.001	0	%100
56	MP-4	Z	-.001	-.001	0	%100
57	MP-5	Z	-.001	-.001	0	%100
58	MP-6	Z	-.001	-.001	0	%100
59	MP-7	Z	-.001	-.001	0	%100
60	MP-8	Z	-.001	-.001	0	%100
61	MP-9	Z	-.001	-.001	0	%100
62	MP-10	Z	-.001	-.001	0	%100
63	MP-11	Z	-.001	-.001	0	%100
64	MP-12	Z	-.001	-.001	0	%100
65	SA-1	Z	-.001	-.001	0	%100
66	SA-1B	Z	-.001	-.001	0	%100
67	SA-2	Z	-.001	-.001	0	%100
68	SA-2B	Z	-.001	-.001	0	%100
69	SA-3	Z	-.003	-.003	0	%100
70	SA-3B	Z	-.003	-.003	0	%100
71	SF1-TH	Z	-.003	-.003	0	%100
72	SF2-TH	Z	0	0	0	%100

Member Distributed Loads (BLC 21 : 45 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.003	-.003	0	%100
2	GSI-1	X	-.001	-.001	0	%100
3	GSI-2	X	-.005	-.005	0	%100
4	GSI-3	X	-.003	-.003	0	%100
5	GSIP-1	X	-.003	-.003	0	%100
6	GSIP-2	X	-.003	-.003	0	%100
7	GSIP-3	X	-.000872	-.000872	0	%100
8	HR-1	X	-.002	-.002	0	%100
9	HR-2	X	-.000546	-.000546	0	%100
10	HR-3	X	-.002	-.002	0	%100
11	HRB-1	X	-.002	-.002	0	%100
12	HRB-2	X	-.001	-.001	0	%100
13	HRB-3	X	-.000438	-.000438	0	%100
14	HRC-1	X	-.002	-.002	0	%100
15	HRC-2	X	-.002	-.002	0	%100
16	HRC-3	X	-.000659	-.000659	0	%100
17	MP-1	X	-.002	-.002	0	%100
18	MP-2	X	-.002	-.002	0	%100
19	MP-3	X	-.002	-.002	0	%100
20	MP-4	X	-.002	-.002	0	%100
21	MP-5	X	-.002	-.002	0	%100
22	MP-6	X	-.002	-.002	0	%100
23	MP-7	X	-.002	-.002	0	%100
24	MP-8	X	-.002	-.002	0	%100
25	MP-9	X	-.002	-.002	0	%100
26	MP-10	X	-.002	-.002	0	%100
27	MP-11	X	-.002	-.002	0	%100
28	MP-12	X	-.002	-.002	0	%100
29	SA-1	X	-.003	-.003	0	%100
30	SA-1B	X	-.003	-.003	0	%100
31	SA-2	X	-.001	-.001	0	%100
32	SA-2B	X	-.001	-.001	0	%100
33	SA-3	X	-.004	-.004	0	%100
34	SA-3B	X	-.004	-.004	0	%100
35	SF1-TH	X	-.004	-.004	0	%100
36	SF2-TH	X	-.001	-.001	0	%100
37	FFTH	Z	-.003	-.003	0	%100
38	GSI-1	Z	-.001	-.001	0	%100
39	GSI-2	Z	-.004	-.004	0	%100
40	GSI-3	Z	-.004	-.004	0	%100
41	GSIP-1	Z	-.003	-.003	0	%100
42	GSIP-2	Z	-.004	-.004	0	%100
43	GSIP-3	Z	-.000988	-.000988	0	%100
44	HR-1	Z	-.002	-.002	0	%100
45	HR-2	Z	-.00063	-.00063	0	%100
46	HR-3	Z	-.002	-.002	0	%100
47	HRB-1	Z	-.002	-.002	0	%100
48	HRB-2	Z	-.001	-.001	0	%100
49	HRB-3	Z	-.000503	-.000503	0	%100
50	HRC-1	Z	-.003	-.003	0	%100
51	HRC-2	Z	-.002	-.002	0	%100
52	HRC-3	Z	-.000685	-.000685	0	%100
53	MP-1	Z	-.002	-.002	0	%100
54	MP-2	Z	-.002	-.002	0	%100
55	MP-3	Z	-.002	-.002	0	%100
56	MP-4	Z	-.002	-.002	0	%100
57	MP-5	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 21 : 45 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
58	MP-6	Z	-.002	-.002	0	%100
59	MP-7	Z	-.002	-.002	0	%100
60	MP-8	Z	-.002	-.002	0	%100
61	MP-9	Z	-.002	-.002	0	%100
62	MP-10	Z	-.002	-.002	0	%100
63	MP-11	Z	-.002	-.002	0	%100
64	MP-12	Z	-.002	-.002	0	%100
65	SA-1	Z	-.003	-.003	0	%100
66	SA-1B	Z	-.003	-.003	0	%100
67	SA-2	Z	-.001	-.001	0	%100
68	SA-2B	Z	-.00099	-.00099	0	%100
69	SA-3	Z	-.004	-.004	0	%100
70	SA-3B	Z	-.004	-.004	0	%100
71	SF1-TH	Z	-.004	-.004	0	%100
72	SF2-TH	Z	-.001	-.001	0	%100

Member Distributed Loads (BLC 22 : 60 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.002	-.002	0	%100
2	GSI-1	X	0	0	0	%100
3	GSI-2	X	-.003	-.003	0	%100
4	GSI-3	X	-.003	-.003	0	%100
5	GSIP-1	X	-.001	-.001	0	%100
6	GSIP-2	X	-.002	-.002	0	%100
7	GSIP-3	X	-.001	-.001	0	%100
8	HR-1	X	-.000861	-.000861	0	%100
9	HR-2	X	-.000746	-.000746	0	%100
10	HR-3	X	-.001	-.001	0	%100
11	HRB-1	X	-.001	-.001	0	%100
12	HRB-2	X	-.000719	-.000719	0	%100
13	HRB-3	X	-.000599	-.000599	0	%100
14	HRC-1	X	-.002	-.002	0	%100
15	HRC-2	X	-.000951	-.000951	0	%100
16	HRC-3	X	-.0009	-.0009	0	%100
17	MP-1	X	-.001	-.001	0	%100
18	MP-2	X	-.001	-.001	0	%100
19	MP-3	X	-.001	-.001	0	%100
20	MP-4	X	-.001	-.001	0	%100
21	MP-5	X	-.001	-.001	0	%100
22	MP-6	X	-.001	-.001	0	%100
23	MP-7	X	-.001	-.001	0	%100
24	MP-8	X	-.001	-.001	0	%100
25	MP-9	X	-.001	-.001	0	%100
26	MP-10	X	-.001	-.001	0	%100
27	MP-11	X	-.001	-.001	0	%100
28	MP-12	X	-.001	-.001	0	%100
29	SA-1	X	-.002	-.002	0	%100
30	SA-1B	X	-.002	-.002	0	%100
31	SA-2	X	0	0	0	%100
32	SA-2B	X	0	0	0	%100
33	SA-3	X	-.002	-.002	0	%100
34	SA-3B	X	-.002	-.002	0	%100
35	SF1-TH	X	-.003	-.003	0	%100
36	SF2-TH	X	-.001	-.001	0	%100
37	FFTH	Z	-.003	-.003	0	%100
38	GSI-1	Z	0	0	0	%100

Member Distributed Loads (BLC 22 : 60 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
39	GSI-2	Z	-.005	-.005	0	%100
40	GSI-3	Z	-.005	-.005	0	%100
41	GSIP-1	Z	-.002	-.002	0	%100
42	GSIP-2	Z	-.005	-.005	0	%100
43	GSIP-3	Z	-.002	-.002	0	%100
44	HR-1	Z	-.001	-.001	0	%100
45	HR-2	Z	-.001	-.001	0	%100
46	HR-3	Z	-.003	-.003	0	%100
47	HRB-1	Z	-.002	-.002	0	%100
48	HRB-2	Z	-.001	-.001	0	%100
49	HRB-3	Z	-.001	-.001	0	%100
50	HRC-1	Z	-.003	-.003	0	%100
51	HRC-2	Z	-.001	-.001	0	%100
52	HRC-3	Z	-.002	-.002	0	%100
53	MP-1	Z	-.003	-.003	0	%100
54	MP-2	Z	-.003	-.003	0	%100
55	MP-3	Z	-.003	-.003	0	%100
56	MP-4	Z	-.003	-.003	0	%100
57	MP-5	Z	-.003	-.003	0	%100
58	MP-6	Z	-.003	-.003	0	%100
59	MP-7	Z	-.003	-.003	0	%100
60	MP-8	Z	-.003	-.003	0	%100
61	MP-9	Z	-.003	-.003	0	%100
62	MP-10	Z	-.003	-.003	0	%100
63	MP-11	Z	-.003	-.003	0	%100
64	MP-12	Z	-.003	-.003	0	%100
65	SA-1	Z	-.004	-.004	0	%100
66	SA-1B	Z	-.004	-.004	0	%100
67	SA-2	Z	0	0	0	%100
68	SA-2B	Z	0	0	0	%100
69	SA-3	Z	-.004	-.004	0	%100
70	SA-3B	Z	-.004	-.004	0	%100
71	SF1-TH	Z	-.006	-.006	0	%100
72	SF2-TH	Z	-.003	-.003	0	%100

Member Distributed Loads (BLC 23 : 90 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	Z	0	0	0	%100
2	GSI-1	Z	-.003	-.003	0	%100
3	GSI-2	Z	-.003	-.003	0	%100
4	GSI-3	Z	-.007	-.007	0	%100
5	GSIP-1	Z	0	0	0	%100
6	GSIP-2	Z	-.005	-.005	0	%100
7	GSIP-3	Z	-.005	-.005	0	%100
8	HR-1	Z	0	0	0	%100
9	HR-2	Z	-.003	-.003	0	%100
10	HR-3	Z	-.003	-.003	0	%100
11	HRB-1	Z	-.002	-.002	0	%100
12	HRB-2	Z	0	0	0	%100
13	HRB-3	Z	-.002	-.002	0	%100
14	HRC-1	Z	-.003	-.003	0	%100
15	HRC-2	Z	0	0	0	%100
16	HRC-3	Z	-.003	-.003	0	%100
17	MP-1	Z	-.003	-.003	0	%100
18	MP-2	Z	-.003	-.003	0	%100
19	MP-3	Z	-.003	-.003	0	%100

Member Distributed Loads (BLC 23 : 90 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
20	MP-4	Z	-.003	-.003	0	%100
21	MP-5	Z	-.003	-.003	0	%100
22	MP-6	Z	-.003	-.003	0	%100
23	MP-7	Z	-.003	-.003	0	%100
24	MP-8	Z	-.003	-.003	0	%100
25	MP-9	Z	-.003	-.003	0	%100
26	MP-10	Z	-.003	-.003	0	%100
27	MP-11	Z	-.003	-.003	0	%100
28	MP-12	Z	-.003	-.003	0	%100
29	SA-1	Z	-.006	-.006	0	%100
30	SA-1B	Z	-.006	-.006	0	%100
31	SA-2	Z	-.003	-.003	0	%100
32	SA-2B	Z	-.003	-.003	0	%100
33	SA-3	Z	-.003	-.003	0	%100
34	SA-3B	Z	-.003	-.003	0	%100
35	SF1-TH	Z	-.006	-.006	0	%100
36	SF2-TH	Z	-.006	-.006	0	%100

Member Distributed Loads (BLC 24 : 120 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.002	.002	0	%100
2	GSI-1	X	.003	.003	0	%100
3	GSI-2	X	0	0	0	%100
4	GSI-3	X	.003	.003	0	%100
5	GSIP-1	X	.001	.001	0	%100
6	GSIP-2	X	.001	.001	0	%100
7	GSIP-3	X	.002	.002	0	%100
8	HR-1	X	.000861	.000861	0	%100
9	HR-2	X	.001	.001	0	%100
10	HR-3	X	.000746	.000746	0	%100
11	HRB-1	X	.000599	.000599	0	%100
12	HRB-2	X	.000719	.000719	0	%100
13	HRB-3	X	.001	.001	0	%100
14	HRC-1	X	.0009	.0009	0	%100
15	HRC-2	X	.000951	.000951	0	%100
16	HRC-3	X	.002	.002	0	%100
17	MP-1	X	.001	.001	0	%100
18	MP-2	X	.001	.001	0	%100
19	MP-3	X	.001	.001	0	%100
20	MP-4	X	.001	.001	0	%100
21	MP-5	X	.001	.001	0	%100
22	MP-6	X	.001	.001	0	%100
23	MP-7	X	.001	.001	0	%100
24	MP-8	X	.001	.001	0	%100
25	MP-9	X	.001	.001	0	%100
26	MP-10	X	.001	.001	0	%100
27	MP-11	X	.001	.001	0	%100
28	MP-12	X	.001	.001	0	%100
29	SA-1	X	.002	.002	0	%100
30	SA-1B	X	.002	.002	0	%100
31	SA-2	X	.002	.002	0	%100
32	SA-2B	X	.002	.002	0	%100
33	SA-3	X	0	0	0	%100
34	SA-3B	X	0	0	0	%100
35	SF1-TH	X	.001	.001	0	%100
36	SF2-TH	X	.003	.003	0	%100

Member Distributed Loads (BLC 24 : 120 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
37	FFTH	Z	-.003	-.003	0	%100
38	GSI-1	Z	-.005	-.005	0	%100
39	GSI-2	Z	0	0	0	%100
40	GSI-3	Z	-.005	-.005	0	%100
41	GSIP-1	Z	-.002	-.002	0	%100
42	GSIP-2	Z	-.002	-.002	0	%100
43	GSIP-3	Z	-.005	-.005	0	%100
44	HR-1	Z	-.001	-.001	0	%100
45	HR-2	Z	-.003	-.003	0	%100
46	HR-3	Z	-.001	-.001	0	%100
47	HRB-1	Z	-.001	-.001	0	%100
48	HRB-2	Z	-.001	-.001	0	%100
49	HRB-3	Z	-.002	-.002	0	%100
50	HRC-1	Z	-.002	-.002	0	%100
51	HRC-2	Z	-.001	-.001	0	%100
52	HRC-3	Z	-.003	-.003	0	%100
53	MP-1	Z	-.003	-.003	0	%100
54	MP-2	Z	-.003	-.003	0	%100
55	MP-3	Z	-.003	-.003	0	%100
56	MP-4	Z	-.003	-.003	0	%100
57	MP-5	Z	-.003	-.003	0	%100
58	MP-6	Z	-.003	-.003	0	%100
59	MP-7	Z	-.003	-.003	0	%100
60	MP-8	Z	-.003	-.003	0	%100
61	MP-9	Z	-.003	-.003	0	%100
62	MP-10	Z	-.003	-.003	0	%100
63	MP-11	Z	-.003	-.003	0	%100
64	MP-12	Z	-.003	-.003	0	%100
65	SA-1	Z	-.004	-.004	0	%100
66	SA-1B	Z	-.004	-.004	0	%100
67	SA-2	Z	-.004	-.004	0	%100
68	SA-2B	Z	-.004	-.004	0	%100
69	SA-3	Z	0	0	0	%100
70	SA-3B	Z	0	0	0	%100
71	SF1-TH	Z	-.003	-.003	0	%100
72	SF2-TH	Z	-.006	-.006	0	%100

Member Distributed Loads (BLC 25 : 135 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.003	.003	0	%100
2	GSI-1	X	.005	.005	0	%100
3	GSI-2	X	.001	.001	0	%100
4	GSI-3	X	.003	.003	0	%100
5	GSIP-1	X	.003	.003	0	%100
6	GSIP-2	X	.000872	.000872	0	%100
7	GSIP-3	X	.003	.003	0	%100
8	HR-1	X	.002	.002	0	%100
9	HR-2	X	.002	.002	0	%100
10	HR-3	X	.000546	.000546	0	%100
11	HRB-1	X	.000438	.000438	0	%100
12	HRB-2	X	.001	.001	0	%100
13	HRB-3	X	.002	.002	0	%100
14	HRC-1	X	.000659	.000659	0	%100
15	HRC-2	X	.002	.002	0	%100
16	HRC-3	X	.002	.002	0	%100
17	MP-1	X	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 25 : 135 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
18	MP-2	X	.002	.002	0	%100
19	MP-3	X	.002	.002	0	%100
20	MP-4	X	.002	.002	0	%100
21	MP-5	X	.002	.002	0	%100
22	MP-6	X	.002	.002	0	%100
23	MP-7	X	.002	.002	0	%100
24	MP-8	X	.002	.002	0	%100
25	MP-9	X	.002	.002	0	%100
26	MP-10	X	.002	.002	0	%100
27	MP-11	X	.002	.002	0	%100
28	MP-12	X	.002	.002	0	%100
29	SA-1	X	.003	.003	0	%100
30	SA-1B	X	.003	.003	0	%100
31	SA-2	X	.004	.004	0	%100
32	SA-2B	X	.004	.004	0	%100
33	SA-3	X	.001	.001	0	%100
34	SA-3B	X	.001	.001	0	%100
35	SF1-TH	X	.001	.001	0	%100
36	SF2-TH	X	.004	.004	0	%100
37	FFTH	Z	-.003	-.003	0	%100
38	GSI-1	Z	-.004	-.004	0	%100
39	GSI-2	Z	-.001	-.001	0	%100
40	GSI-3	Z	-.004	-.004	0	%100
41	GSIP-1	Z	-.003	-.003	0	%100
42	GSIP-2	Z	-.000988	-.000988	0	%100
43	GSIP-3	Z	-.004	-.004	0	%100
44	HR-1	Z	-.002	-.002	0	%100
45	HR-2	Z	-.002	-.002	0	%100
46	HR-3	Z	-.00063	-.00063	0	%100
47	HRB-1	Z	-.000503	-.000503	0	%100
48	HRB-2	Z	-.001	-.001	0	%100
49	HRB-3	Z	-.002	-.002	0	%100
50	HRC-1	Z	-.000685	-.000685	0	%100
51	HRC-2	Z	-.002	-.002	0	%100
52	HRC-3	Z	-.003	-.003	0	%100
53	MP-1	Z	-.002	-.002	0	%100
54	MP-2	Z	-.002	-.002	0	%100
55	MP-3	Z	-.002	-.002	0	%100
56	MP-4	Z	-.002	-.002	0	%100
57	MP-5	Z	-.002	-.002	0	%100
58	MP-6	Z	-.002	-.002	0	%100
59	MP-7	Z	-.002	-.002	0	%100
60	MP-8	Z	-.002	-.002	0	%100
61	MP-9	Z	-.002	-.002	0	%100
62	MP-10	Z	-.002	-.002	0	%100
63	MP-11	Z	-.002	-.002	0	%100
64	MP-12	Z	-.002	-.002	0	%100
65	SA-1	Z	-.003	-.003	0	%100
66	SA-1B	Z	-.003	-.003	0	%100
67	SA-2	Z	-.004	-.004	0	%100
68	SA-2B	Z	-.004	-.004	0	%100
69	SA-3	Z	-.001	-.001	0	%100
70	SA-3B	Z	-.00099	-.00099	0	%100
71	SF1-TH	Z	-.001	-.001	0	%100
72	SF2-TH	Z	-.004	-.004	0	%100

Member Distributed Loads (BLC 26 : 150 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.005	.005	0	%100
2	GSI-1	X	.006	.006	0	%100
3	GSI-2	X	.003	.003	0	%100
4	GSI-3	X	.003	.003	0	%100
5	GSIP-1	X	.004	.004	0	%100
6	GSIP-2	X	0	0	0	%100
7	GSIP-3	X	.004	.004	0	%100
8	HR-1	X	.003	.003	0	%100
9	HR-2	X	.002	.002	0	%100
10	HR-3	X	0	0	0	%100
11	HRB-1	X	0	0	0	%100
12	HRB-2	X	.002	.002	0	%100
13	HRB-3	X	.002	.002	0	%100
14	HRC-1	X	0	0	0	%100
15	HRC-2	X	.003	.003	0	%100
16	HRC-3	X	.003	.003	0	%100
17	MP-1	X	.002	.002	0	%100
18	MP-2	X	.002	.002	0	%100
19	MP-3	X	.002	.002	0	%100
20	MP-4	X	.002	.002	0	%100
21	MP-5	X	.002	.002	0	%100
22	MP-6	X	.002	.002	0	%100
23	MP-7	X	.002	.002	0	%100
24	MP-8	X	.002	.002	0	%100
25	MP-9	X	.002	.002	0	%100
26	MP-10	X	.002	.002	0	%100
27	MP-11	X	.002	.002	0	%100
28	MP-12	X	.002	.002	0	%100
29	SA-1	X	.002	.002	0	%100
30	SA-1B	X	.002	.002	0	%100
31	SA-2	X	.005	.005	0	%100
32	SA-2B	X	.005	.005	0	%100
33	SA-3	X	.002	.002	0	%100
34	SA-3B	X	.002	.002	0	%100
35	SF1-TH	X	0	0	0	%100
36	SF2-TH	X	.004	.004	0	%100
37	FFTH	Z	-.003	-.003	0	%100
38	GSI-1	Z	-.003	-.003	0	%100
39	GSI-2	Z	-.002	-.002	0	%100
40	GSI-3	Z	-.002	-.002	0	%100
41	GSIP-1	Z	-.002	-.002	0	%100
42	GSIP-2	Z	0	0	0	%100
43	GSIP-3	Z	-.002	-.002	0	%100
44	HR-1	Z	-.001	-.001	0	%100
45	HR-2	Z	-.001	-.001	0	%100
46	HR-3	Z	0	0	0	%100
47	HRB-1	Z	0	0	0	%100
48	HRB-2	Z	-.001	-.001	0	%100
49	HRB-3	Z	-.001	-.001	0	%100
50	HRC-1	Z	0	0	0	%100
51	HRC-2	Z	-.001	-.001	0	%100
52	HRC-3	Z	-.002	-.002	0	%100
53	MP-1	Z	-.001	-.001	0	%100
54	MP-2	Z	-.001	-.001	0	%100
55	MP-3	Z	-.001	-.001	0	%100
56	MP-4	Z	-.001	-.001	0	%100
57	MP-5	Z	-.001	-.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 26 : 150 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
58	MP-6	Z	-.001	-.001	0	%100
59	MP-7	Z	-.001	-.001	0	%100
60	MP-8	Z	-.001	-.001	0	%100
61	MP-9	Z	-.001	-.001	0	%100
62	MP-10	Z	-.001	-.001	0	%100
63	MP-11	Z	-.001	-.001	0	%100
64	MP-12	Z	-.001	-.001	0	%100
65	SA-1	Z	-.001	-.001	0	%100
66	SA-1B	Z	-.001	-.001	0	%100
67	SA-2	Z	-.003	-.003	0	%100
68	SA-2B	Z	-.003	-.003	0	%100
69	SA-3	Z	-.001	-.001	0	%100
70	SA-3B	Z	-.001	-.001	0	%100
71	SF1-TH	Z	0	0	0	%100
72	SF2-TH	Z	-.003	-.003	0	%100

Member Distributed Loads (BLC 27 : 180 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.007	.007	0	%100
2	GSI-1	X	.007	.007	0	%100
3	GSI-2	X	.007	.007	0	%100
4	GSI-3	X	.006	.006	0	%100
5	GSIP-1	X	.006	.006	0	%100
6	GSIP-2	X	.005	.005	0	%100
7	GSIP-3	X	.005	.005	0	%100
8	HR-1	X	.003	.003	0	%100
9	HR-2	X	.003	.003	0	%100
10	HR-3	X	.003	.003	0	%100
11	HRB-1	X	.002	.002	0	%100
12	HRB-2	X	.003	.003	0	%100
13	HRB-3	X	.002	.002	0	%100
14	HRC-1	X	.004	.004	0	%100
15	HRC-2	X	.004	.004	0	%100
16	HRC-3	X	.004	.004	0	%100
17	MP-1	X	.003	.003	0	%100
18	MP-2	X	.003	.003	0	%100
19	MP-3	X	.003	.003	0	%100
20	MP-4	X	.003	.003	0	%100
21	MP-5	X	.003	.003	0	%100
22	MP-6	X	.003	.003	0	%100
23	MP-7	X	.003	.003	0	%100
24	MP-8	X	.003	.003	0	%100
25	MP-9	X	.003	.003	0	%100
26	MP-10	X	.003	.003	0	%100
27	MP-11	X	.003	.003	0	%100
28	MP-12	X	.003	.003	0	%100
29	SA-1	X	.006	.006	0	%100
30	SA-1B	X	.005	.005	0	%100
31	SA-2	X	.006	.006	0	%100
32	SA-2B	X	.006	.006	0	%100
33	SA-3	X	.006	.006	0	%100
34	SA-3B	X	.006	.006	0	%100
35	SF1-TH	X	.006	.006	0	%100
36	SF2-TH	X	.006	.006	0	%100

Member Distributed Loads (BLC 28 : 210 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.005	.005	0	%100
2	GSI-1	X	.003	.003	0	%100
3	GSI-2	X	.006	.006	0	%100
4	GSI-3	X	.003	.003	0	%100
5	GSIP-1	X	.004	.004	0	%100
6	GSIP-2	X	.004	.004	0	%100
7	GSIP-3	X	0	0	0	%100
8	HR-1	X	.003	.003	0	%100
9	HR-2	X	0	0	0	%100
10	HR-3	X	.002	.002	0	%100
11	HRB-1	X	.002	.002	0	%100
12	HRB-2	X	.002	.002	0	%100
13	HRB-3	X	0	0	0	%100
14	HRC-1	X	.003	.003	0	%100
15	HRC-2	X	.003	.003	0	%100
16	HRC-3	X	0	0	0	%100
17	MP-1	X	.002	.002	0	%100
18	MP-2	X	.002	.002	0	%100
19	MP-3	X	.002	.002	0	%100
20	MP-4	X	.002	.002	0	%100
21	MP-5	X	.002	.002	0	%100
22	MP-6	X	.002	.002	0	%100
23	MP-7	X	.002	.002	0	%100
24	MP-8	X	.002	.002	0	%100
25	MP-9	X	.002	.002	0	%100
26	MP-10	X	.002	.002	0	%100
27	MP-11	X	.002	.002	0	%100
28	MP-12	X	.002	.002	0	%100
29	SA-1	X	.002	.002	0	%100
30	SA-1B	X	.002	.002	0	%100
31	SA-2	X	.002	.002	0	%100
32	SA-2B	X	.002	.002	0	%100
33	SA-3	X	.005	.005	0	%100
34	SA-3B	X	.005	.005	0	%100
35	SF1-TH	X	.004	.004	0	%100
36	SF2-TH	X	0	0	0	%100
37	FFTH	Z	.003	.003	0	%100
38	GSI-1	Z	.002	.002	0	%100
39	GSI-2	Z	.003	.003	0	%100
40	GSI-3	Z	.002	.002	0	%100
41	GSIP-1	Z	.002	.002	0	%100
42	GSIP-2	Z	.002	.002	0	%100
43	GSIP-3	Z	0	0	0	%100
44	HR-1	Z	.001	.001	0	%100
45	HR-2	Z	0	0	0	%100
46	HR-3	Z	.001	.001	0	%100
47	HRB-1	Z	.001	.001	0	%100
48	HRB-2	Z	.001	.001	0	%100
49	HRB-3	Z	0	0	0	%100
50	HRC-1	Z	.002	.002	0	%100
51	HRC-2	Z	.001	.001	0	%100
52	HRC-3	Z	0	0	0	%100
53	MP-1	Z	.001	.001	0	%100
54	MP-2	Z	.001	.001	0	%100
55	MP-3	Z	.001	.001	0	%100
56	MP-4	Z	.001	.001	0	%100
57	MP-5	Z	.001	.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 28 : 210 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
58	MP-6	Z	.001	.001	0	%100
59	MP-7	Z	.001	.001	0	%100
60	MP-8	Z	.001	.001	0	%100
61	MP-9	Z	.001	.001	0	%100
62	MP-10	Z	.001	.001	0	%100
63	MP-11	Z	.001	.001	0	%100
64	MP-12	Z	.001	.001	0	%100
65	SA-1	Z	.001	.001	0	%100
66	SA-1B	Z	.001	.001	0	%100
67	SA-2	Z	.001	.001	0	%100
68	SA-2B	Z	.001	.001	0	%100
69	SA-3	Z	.003	.003	0	%100
70	SA-3B	Z	.003	.003	0	%100
71	SF1-TH	Z	.003	.003	0	%100
72	SF2-TH	Z	0	0	0	%100

Member Distributed Loads (BLC 29 : 225 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.003	.003	0	%100
2	GSI-1	X	.001	.001	0	%100
3	GSI-2	X	.005	.005	0	%100
4	GSI-3	X	.003	.003	0	%100
5	GSIP-1	X	.003	.003	0	%100
6	GSIP-2	X	.003	.003	0	%100
7	GSIP-3	X	.000872	.000872	0	%100
8	HR-1	X	.002	.002	0	%100
9	HR-2	X	.000546	.000546	0	%100
10	HR-3	X	.002	.002	0	%100
11	HRB-1	X	.002	.002	0	%100
12	HRB-2	X	.001	.001	0	%100
13	HRB-3	X	.000438	.000438	0	%100
14	HRC-1	X	.002	.002	0	%100
15	HRC-2	X	.002	.002	0	%100
16	HRC-3	X	.000659	.000659	0	%100
17	MP-1	X	.002	.002	0	%100
18	MP-2	X	.002	.002	0	%100
19	MP-3	X	.002	.002	0	%100
20	MP-4	X	.002	.002	0	%100
21	MP-5	X	.002	.002	0	%100
22	MP-6	X	.002	.002	0	%100
23	MP-7	X	.002	.002	0	%100
24	MP-8	X	.002	.002	0	%100
25	MP-9	X	.002	.002	0	%100
26	MP-10	X	.002	.002	0	%100
27	MP-11	X	.002	.002	0	%100
28	MP-12	X	.002	.002	0	%100
29	SA-1	X	.003	.003	0	%100
30	SA-1B	X	.003	.003	0	%100
31	SA-2	X	.001	.001	0	%100
32	SA-2B	X	.001	.001	0	%100
33	SA-3	X	.004	.004	0	%100
34	SA-3B	X	.004	.004	0	%100
35	SF1-TH	X	.004	.004	0	%100
36	SF2-TH	X	.001	.001	0	%100
37	FFTH	Z	.003	.003	0	%100
38	GSI-1	Z	.001	.001	0	%100

Member Distributed Loads (BLC 29 : 225 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
39	GSI-2	Z	.004	.004	0	%100
40	GSI-3	Z	.004	.004	0	%100
41	GSIP-1	Z	.003	.003	0	%100
42	GSIP-2	Z	.004	.004	0	%100
43	GSIP-3	Z	.000988	.000988	0	%100
44	HR-1	Z	.002	.002	0	%100
45	HR-2	Z	.00063	.00063	0	%100
46	HR-3	Z	.002	.002	0	%100
47	HRB-1	Z	.002	.002	0	%100
48	HRB-2	Z	.001	.001	0	%100
49	HRB-3	Z	.000503	.000503	0	%100
50	HRC-1	Z	.003	.003	0	%100
51	HRC-2	Z	.002	.002	0	%100
52	HRC-3	Z	.000685	.000685	0	%100
53	MP-1	Z	.002	.002	0	%100
54	MP-2	Z	.002	.002	0	%100
55	MP-3	Z	.002	.002	0	%100
56	MP-4	Z	.002	.002	0	%100
57	MP-5	Z	.002	.002	0	%100
58	MP-6	Z	.002	.002	0	%100
59	MP-7	Z	.002	.002	0	%100
60	MP-8	Z	.002	.002	0	%100
61	MP-9	Z	.002	.002	0	%100
62	MP-10	Z	.002	.002	0	%100
63	MP-11	Z	.002	.002	0	%100
64	MP-12	Z	.002	.002	0	%100
65	SA-1	Z	.003	.003	0	%100
66	SA-1B	Z	.003	.003	0	%100
67	SA-2	Z	.001	.001	0	%100
68	SA-2B	Z	.00099	.00099	0	%100
69	SA-3	Z	.004	.004	0	%100
70	SA-3B	Z	.004	.004	0	%100
71	SF1-TH	Z	.004	.004	0	%100
72	SF2-TH	Z	.001	.001	0	%100

Member Distributed Loads (BLC 30 : 240 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	.002	.002	0	%100
2	GSI-1	X	0	0	0	%100
3	GSI-2	X	.003	.003	0	%100
4	GSI-3	X	.003	.003	0	%100
5	GSIP-1	X	.001	.001	0	%100
6	GSIP-2	X	.002	.002	0	%100
7	GSIP-3	X	.001	.001	0	%100
8	HR-1	X	.000861	.000861	0	%100
9	HR-2	X	.000746	.000746	0	%100
10	HR-3	X	.001	.001	0	%100
11	HRB-1	X	.001	.001	0	%100
12	HRB-2	X	.000719	.000719	0	%100
13	HRB-3	X	.000599	.000599	0	%100
14	HRC-1	X	.002	.002	0	%100
15	HRC-2	X	.000951	.000951	0	%100
16	HRC-3	X	.0009	.0009	0	%100
17	MP-1	X	.001	.001	0	%100
18	MP-2	X	.001	.001	0	%100
19	MP-3	X	.001	.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 30 : 240 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
20	MP-4	X	.001	.001	0	%100
21	MP-5	X	.001	.001	0	%100
22	MP-6	X	.001	.001	0	%100
23	MP-7	X	.001	.001	0	%100
24	MP-8	X	.001	.001	0	%100
25	MP-9	X	.001	.001	0	%100
26	MP-10	X	.001	.001	0	%100
27	MP-11	X	.001	.001	0	%100
28	MP-12	X	.001	.001	0	%100
29	SA-1	X	.002	.002	0	%100
30	SA-1B	X	.002	.002	0	%100
31	SA-2	X	0	0	0	%100
32	SA-2B	X	0	0	0	%100
33	SA-3	X	.002	.002	0	%100
34	SA-3B	X	.002	.002	0	%100
35	SF1-TH	X	.003	.003	0	%100
36	SF2-TH	X	.001	.001	0	%100
37	FFTH	Z	.003	.003	0	%100
38	GSI-1	Z	0	0	0	%100
39	GSI-2	Z	.005	.005	0	%100
40	GSI-3	Z	.005	.005	0	%100
41	GSIP-1	Z	.002	.002	0	%100
42	GSIP-2	Z	.005	.005	0	%100
43	GSIP-3	Z	.002	.002	0	%100
44	HR-1	Z	.001	.001	0	%100
45	HR-2	Z	.001	.001	0	%100
46	HR-3	Z	.003	.003	0	%100
47	HRB-1	Z	.002	.002	0	%100
48	HRB-2	Z	.001	.001	0	%100
49	HRB-3	Z	.001	.001	0	%100
50	HRC-1	Z	.003	.003	0	%100
51	HRC-2	Z	.001	.001	0	%100
52	HRC-3	Z	.002	.002	0	%100
53	MP-1	Z	.003	.003	0	%100
54	MP-2	Z	.003	.003	0	%100
55	MP-3	Z	.003	.003	0	%100
56	MP-4	Z	.003	.003	0	%100
57	MP-5	Z	.003	.003	0	%100
58	MP-6	Z	.003	.003	0	%100
59	MP-7	Z	.003	.003	0	%100
60	MP-8	Z	.003	.003	0	%100
61	MP-9	Z	.003	.003	0	%100
62	MP-10	Z	.003	.003	0	%100
63	MP-11	Z	.003	.003	0	%100
64	MP-12	Z	.003	.003	0	%100
65	SA-1	Z	.004	.004	0	%100
66	SA-1B	Z	.004	.004	0	%100
67	SA-2	Z	0	0	0	%100
68	SA-2B	Z	0	0	0	%100
69	SA-3	Z	.004	.004	0	%100
70	SA-3B	Z	.004	.004	0	%100
71	SF1-TH	Z	.006	.006	0	%100
72	SF2-TH	Z	.003	.003	0	%100

Member Distributed Loads (BLC 31 : 270 Wind - Ice)

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

Member Distributed Loads (BLC 31 : 270 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	Z	0	0	0	%100
2	GSI-1	Z	.003	.003	0	%100
3	GSI-2	Z	.003	.003	0	%100
4	GSI-3	Z	.007	.007	0	%100
5	GSIP-1	Z	0	0	0	%100
6	GSIP-2	Z	.005	.005	0	%100
7	GSIP-3	Z	.005	.005	0	%100
8	HR-1	Z	0	0	0	%100
9	HR-2	Z	.003	.003	0	%100
10	HR-3	Z	.003	.003	0	%100
11	HRB-1	Z	.002	.002	0	%100
12	HRB-2	Z	0	0	0	%100
13	HRB-3	Z	.002	.002	0	%100
14	HRC-1	Z	.003	.003	0	%100
15	HRC-2	Z	0	0	0	%100
16	HRC-3	Z	.003	.003	0	%100
17	MP-1	Z	.003	.003	0	%100
18	MP-2	Z	.003	.003	0	%100
19	MP-3	Z	.003	.003	0	%100
20	MP-4	Z	.003	.003	0	%100
21	MP-5	Z	.003	.003	0	%100
22	MP-6	Z	.003	.003	0	%100
23	MP-7	Z	.003	.003	0	%100
24	MP-8	Z	.003	.003	0	%100
25	MP-9	Z	.003	.003	0	%100
26	MP-10	Z	.003	.003	0	%100
27	MP-11	Z	.003	.003	0	%100
28	MP-12	Z	.003	.003	0	%100
29	SA-1	Z	.006	.006	0	%100
30	SA-1B	Z	.006	.006	0	%100
31	SA-2	Z	.003	.003	0	%100
32	SA-2B	Z	.003	.003	0	%100
33	SA-3	Z	.003	.003	0	%100
34	SA-3B	Z	.003	.003	0	%100
35	SF1-TH	Z	.006	.006	0	%100
36	SF2-TH	Z	.006	.006	0	%100

Member Distributed Loads (BLC 32 : 300 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.002	-.002	0	%100
2	GSI-1	X	-.003	-.003	0	%100
3	GSI-2	X	0	0	0	%100
4	GSI-3	X	-.003	-.003	0	%100
5	GSIP-1	X	-.001	-.001	0	%100
6	GSIP-2	X	-.001	-.001	0	%100
7	GSIP-3	X	-.002	-.002	0	%100
8	HR-1	X	-.000861	-.000861	0	%100
9	HR-2	X	-.001	-.001	0	%100
10	HR-3	X	-.000746	-.000746	0	%100
11	HRB-1	X	-.000599	-.000599	0	%100
12	HRB-2	X	-.000719	-.000719	0	%100
13	HRB-3	X	-.001	-.001	0	%100
14	HRC-1	X	-.0009	-.0009	0	%100
15	HRC-2	X	-.000951	-.000951	0	%100
16	HRC-3	X	-.002	-.002	0	%100
17	MP-1	X	-.001	-.001	0	%100

Member Distributed Loads (BLC 32 : 300 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
18	MP-2	X	-.001	-.001	0	%100
19	MP-3	X	-.001	-.001	0	%100
20	MP-4	X	-.001	-.001	0	%100
21	MP-5	X	-.001	-.001	0	%100
22	MP-6	X	-.001	-.001	0	%100
23	MP-7	X	-.001	-.001	0	%100
24	MP-8	X	-.001	-.001	0	%100
25	MP-9	X	-.001	-.001	0	%100
26	MP-10	X	-.001	-.001	0	%100
27	MP-11	X	-.001	-.001	0	%100
28	MP-12	X	-.001	-.001	0	%100
29	SA-1	X	-.002	-.002	0	%100
30	SA-1B	X	-.002	-.002	0	%100
31	SA-2	X	-.002	-.002	0	%100
32	SA-2B	X	-.002	-.002	0	%100
33	SA-3	X	0	0	0	%100
34	SA-3B	X	0	0	0	%100
35	SF1-TH	X	-.001	-.001	0	%100
36	SF2-TH	X	-.003	-.003	0	%100
37	FFTH	Z	.003	.003	0	%100
38	GSI-1	Z	.005	.005	0	%100
39	GSI-2	Z	0	0	0	%100
40	GSI-3	Z	.005	.005	0	%100
41	GSIP-1	Z	.002	.002	0	%100
42	GSIP-2	Z	.002	.002	0	%100
43	GSIP-3	Z	.005	.005	0	%100
44	HR-1	Z	.001	.001	0	%100
45	HR-2	Z	.003	.003	0	%100
46	HR-3	Z	.001	.001	0	%100
47	HRB-1	Z	.001	.001	0	%100
48	HRB-2	Z	.001	.001	0	%100
49	HRB-3	Z	.002	.002	0	%100
50	HRC-1	Z	.002	.002	0	%100
51	HRC-2	Z	.001	.001	0	%100
52	HRC-3	Z	.003	.003	0	%100
53	MP-1	Z	.003	.003	0	%100
54	MP-2	Z	.003	.003	0	%100
55	MP-3	Z	.003	.003	0	%100
56	MP-4	Z	.003	.003	0	%100
57	MP-5	Z	.003	.003	0	%100
58	MP-6	Z	.003	.003	0	%100
59	MP-7	Z	.003	.003	0	%100
60	MP-8	Z	.003	.003	0	%100
61	MP-9	Z	.003	.003	0	%100
62	MP-10	Z	.003	.003	0	%100
63	MP-11	Z	.003	.003	0	%100
64	MP-12	Z	.003	.003	0	%100
65	SA-1	Z	.004	.004	0	%100
66	SA-1B	Z	.004	.004	0	%100
67	SA-2	Z	.004	.004	0	%100
68	SA-2B	Z	.004	.004	0	%100
69	SA-3	Z	0	0	0	%100
70	SA-3B	Z	0	0	0	%100
71	SF1-TH	Z	.003	.003	0	%100
72	SF2-TH	Z	.006	.006	0	%100

Member Distributed Loads (BLC 33 : 315 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.003	-.003	0	%100
2	GSI-1	X	-.005	-.005	0	%100
3	GSI-2	X	-.001	-.001	0	%100
4	GSI-3	X	-.003	-.003	0	%100
5	GSIP-1	X	-.003	-.003	0	%100
6	GSIP-2	X	-.000872	-.000872	0	%100
7	GSIP-3	X	-.003	-.003	0	%100
8	HR-1	X	-.002	-.002	0	%100
9	HR-2	X	-.002	-.002	0	%100
10	HR-3	X	-.000546	-.000546	0	%100
11	HRB-1	X	-.000438	-.000438	0	%100
12	HRB-2	X	-.001	-.001	0	%100
13	HRB-3	X	-.002	-.002	0	%100
14	HRC-1	X	-.000659	-.000659	0	%100
15	HRC-2	X	-.002	-.002	0	%100
16	HRC-3	X	-.002	-.002	0	%100
17	MP-1	X	-.002	-.002	0	%100
18	MP-2	X	-.002	-.002	0	%100
19	MP-3	X	-.002	-.002	0	%100
20	MP-4	X	-.002	-.002	0	%100
21	MP-5	X	-.002	-.002	0	%100
22	MP-6	X	-.002	-.002	0	%100
23	MP-7	X	-.002	-.002	0	%100
24	MP-8	X	-.002	-.002	0	%100
25	MP-9	X	-.002	-.002	0	%100
26	MP-10	X	-.002	-.002	0	%100
27	MP-11	X	-.002	-.002	0	%100
28	MP-12	X	-.002	-.002	0	%100
29	SA-1	X	-.003	-.003	0	%100
30	SA-1B	X	-.003	-.003	0	%100
31	SA-2	X	-.004	-.004	0	%100
32	SA-2B	X	-.004	-.004	0	%100
33	SA-3	X	-.001	-.001	0	%100
34	SA-3B	X	-.001	-.001	0	%100
35	SF1-TH	X	-.001	-.001	0	%100
36	SF2-TH	X	-.004	-.004	0	%100
37	FFTH	Z	.003	.003	0	%100
38	GSI-1	Z	.004	.004	0	%100
39	GSI-2	Z	.001	.001	0	%100
40	GSI-3	Z	.004	.004	0	%100
41	GSIP-1	Z	.003	.003	0	%100
42	GSIP-2	Z	.000988	.000988	0	%100
43	GSIP-3	Z	.004	.004	0	%100
44	HR-1	Z	.002	.002	0	%100
45	HR-2	Z	.002	.002	0	%100
46	HR-3	Z	.00063	.00063	0	%100
47	HRB-1	Z	.000503	.000503	0	%100
48	HRB-2	Z	.001	.001	0	%100
49	HRB-3	Z	.002	.002	0	%100
50	HRC-1	Z	.000685	.000685	0	%100
51	HRC-2	Z	.002	.002	0	%100
52	HRC-3	Z	.003	.003	0	%100
53	MP-1	Z	.002	.002	0	%100
54	MP-2	Z	.002	.002	0	%100
55	MP-3	Z	.002	.002	0	%100
56	MP-4	Z	.002	.002	0	%100
57	MP-5	Z	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 33 : 315 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
58	MP-6	Z	.002	.002	0	%100
59	MP-7	Z	.002	.002	0	%100
60	MP-8	Z	.002	.002	0	%100
61	MP-9	Z	.002	.002	0	%100
62	MP-10	Z	.002	.002	0	%100
63	MP-11	Z	.002	.002	0	%100
64	MP-12	Z	.002	.002	0	%100
65	SA-1	Z	.003	.003	0	%100
66	SA-1B	Z	.003	.003	0	%100
67	SA-2	Z	.004	.004	0	%100
68	SA-2B	Z	.004	.004	0	%100
69	SA-3	Z	.001	.001	0	%100
70	SA-3B	Z	.00099	.00099	0	%100
71	SF1-TH	Z	.001	.001	0	%100
72	SF2-TH	Z	.004	.004	0	%100

Member Distributed Loads (BLC 34 : 330 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	X	-.005	-.005	0	%100
2	GSI-1	X	-.006	-.006	0	%100
3	GSI-2	X	-.003	-.003	0	%100
4	GSI-3	X	-.003	-.003	0	%100
5	GSIP-1	X	-.004	-.004	0	%100
6	GSIP-2	X	0	0	0	%100
7	GSIP-3	X	-.004	-.004	0	%100
8	HR-1	X	-.003	-.003	0	%100
9	HR-2	X	-.002	-.002	0	%100
10	HR-3	X	0	0	0	%100
11	HRB-1	X	0	0	0	%100
12	HRB-2	X	-.002	-.002	0	%100
13	HRB-3	X	-.002	-.002	0	%100
14	HRC-1	X	0	0	0	%100
15	HRC-2	X	-.003	-.003	0	%100
16	HRC-3	X	-.003	-.003	0	%100
17	MP-1	X	-.002	-.002	0	%100
18	MP-2	X	-.002	-.002	0	%100
19	MP-3	X	-.002	-.002	0	%100
20	MP-4	X	-.002	-.002	0	%100
21	MP-5	X	-.002	-.002	0	%100
22	MP-6	X	-.002	-.002	0	%100
23	MP-7	X	-.002	-.002	0	%100
24	MP-8	X	-.002	-.002	0	%100
25	MP-9	X	-.002	-.002	0	%100
26	MP-10	X	-.002	-.002	0	%100
27	MP-11	X	-.002	-.002	0	%100
28	MP-12	X	-.002	-.002	0	%100
29	SA-1	X	-.002	-.002	0	%100
30	SA-1B	X	-.002	-.002	0	%100
31	SA-2	X	-.005	-.005	0	%100
32	SA-2B	X	-.005	-.005	0	%100
33	SA-3	X	-.002	-.002	0	%100
34	SA-3B	X	-.002	-.002	0	%100
35	SF1-TH	X	0	0	0	%100
36	SF2-TH	X	-.004	-.004	0	%100
37	FFTH	Z	.003	.003	0	%100
38	GSI-1	Z	.003	.003	0	%100

Member Distributed Loads (BLC 34 : 330 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
39	GSI-2	Z	.002	.002	0	%100
40	GSI-3	Z	.002	.002	0	%100
41	GSIP-1	Z	.002	.002	0	%100
42	GSIP-2	Z	0	0	0	%100
43	GSIP-3	Z	.002	.002	0	%100
44	HR-1	Z	.001	.001	0	%100
45	HR-2	Z	.001	.001	0	%100
46	HR-3	Z	0	0	0	%100
47	HRB-1	Z	0	0	0	%100
48	HRB-2	Z	.001	.001	0	%100
49	HRB-3	Z	.001	.001	0	%100
50	HRC-1	Z	0	0	0	%100
51	HRC-2	Z	.001	.001	0	%100
52	HRC-3	Z	.002	.002	0	%100
53	MP-1	Z	.001	.001	0	%100
54	MP-2	Z	.001	.001	0	%100
55	MP-3	Z	.001	.001	0	%100
56	MP-4	Z	.001	.001	0	%100
57	MP-5	Z	.001	.001	0	%100
58	MP-6	Z	.001	.001	0	%100
59	MP-7	Z	.001	.001	0	%100
60	MP-8	Z	.001	.001	0	%100
61	MP-9	Z	.001	.001	0	%100
62	MP-10	Z	.001	.001	0	%100
63	MP-11	Z	.001	.001	0	%100
64	MP-12	Z	.001	.001	0	%100
65	SA-1	Z	.001	.001	0	%100
66	SA-1B	Z	.001	.001	0	%100
67	SA-2	Z	.003	.003	0	%100
68	SA-2B	Z	.003	.003	0	%100
69	SA-3	Z	.001	.001	0	%100
70	SA-3B	Z	.001	.001	0	%100
71	SF1-TH	Z	0	0	0	%100
72	SF2-TH	Z	.003	.003	0	%100

Member Distributed Loads (BLC 37 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	Y	-.001	-.009	0	2.333
2	FFTH	Y	-.009	-.012	2.333	4.667
3	FFTH	Y	-.012	-.012	4.667	7
4	FFTH	Y	-.012	-.012	7	9.333
5	FFTH	Y	-.012	-.009	9.333	11.667
6	FFTH	Y	-.009	-.001	11.667	14
7	GSI-1	Y	-.015	-.017	.808	4.042
8	GSI-2	Y	-.007	-.009	.808	4.042
9	GSIP-1	Y	-.007	-.007	0	3.5
10	GSIP-1	Y	-.007	-.007	3.5	7
11	SA-1B	Y	-.023	-.023	.005	1.005
12	GSI-2	Y	-.001	-.006	0	2.021
13	GSI-2	Y	-.006	-.01	2.021	4.042
14	GSI-3	Y	-.017	-.014	.808	4.042
15	GSIP-2	Y	-.01	-.008	0	3.5
16	GSIP-2	Y	-.008	-.006	3.5	7
17	SA-2B	Y	-.016	-.016	1.574e-9	2.021
18	SF1-TH	Y	-.0009196	-.009	0	2.333
19	SF1-TH	Y	-.009	-.012	2.333	4.667

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Member Distributed Loads (BLC 37 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
20	SF1-TH	Y	-.012	-.011	4.667	7
21	SF1-TH	Y	-.011	-.009	7	9.333
22	SF1-TH	Y	-.009	-.007	9.333	11.667
23	SF1-TH	Y	-.007	-.003	11.667	14
24	GSIP-3	Y	-.007	-.007	0	3.5
25	GSIP-3	Y	-.007	-.007	3.5	7
26	SA-3B	Y	-.023	-.023	.005	1.005
27	SF2-TH	Y	-.001	-.009	0	2.333
28	SF2-TH	Y	-.009	-.012	2.333	4.667
29	SF2-TH	Y	-.012	-.012	4.667	7
30	SF2-TH	Y	-.012	-.012	7	9.333
31	SF2-TH	Y	-.012	-.009	9.333	11.667
32	SF2-TH	Y	-.009	-.001	11.667	14

Member Distributed Loads (BLC 38 : BLC 18 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	FFTH	Y	-.0004514	-.004	0	2.333
2	FFTH	Y	-.004	-.005	2.333	4.667
3	FFTH	Y	-.005	-.005	4.667	7
4	FFTH	Y	-.005	-.005	7	9.333
5	FFTH	Y	-.005	-.004	9.333	11.667
6	FFTH	Y	-.004	-.0004511	11.667	14
7	GSI-1	Y	-.006	-.007	.808	4.042
8	GSI-2	Y	-.003	-.004	.808	4.042
9	GSIP-1	Y	-.003	-.003	0	3.5
10	GSIP-1	Y	-.003	-.003	3.5	7
11	SA-1B	Y	-.01	-.01	.005	1.005
12	GSI-2	Y	-.0005322	-.002	0	2.021
13	GSI-2	Y	-.002	-.004	2.021	4.042
14	GSI-3	Y	-.007	-.006	.808	4.042
15	GSIP-2	Y	-.004	-.003	0	3.5
16	GSIP-2	Y	-.003	-.003	3.5	7
17	SA-2B	Y	-.007	-.007	1.574e-9	2.021
18	SF1-TH	Y	-.0003832	-.004	0	2.333
19	SF1-TH	Y	-.004	-.005	2.333	4.667
20	SF1-TH	Y	-.005	-.004	4.667	7
21	SF1-TH	Y	-.004	-.004	7	9.333
22	SF1-TH	Y	-.004	-.003	9.333	11.667
23	SF1-TH	Y	-.003	-.001	11.667	14
24	GSIP-3	Y	-.003	-.003	0	3.5
25	GSIP-3	Y	-.003	-.003	3.5	7
26	SA-3B	Y	-.01	-.01	.005	1.005
27	SF2-TH	Y	-.0004514	-.004	0	2.333
28	SF2-TH	Y	-.004	-.005	2.333	4.667
29	SF2-TH	Y	-.005	-.005	4.667	7
30	SF2-TH	Y	-.005	-.005	7	9.333
31	SF2-TH	Y	-.005	-.004	9.333	11.667
32	SF2-TH	Y	-.004	-.0004511	11.667	14

Member Area Loads (BLC 1 : Dead)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	FF2	GSIP1	GSIP2	FF1	Y	Two Way	-.012
2	FF1	GSIP2	GSIP3	FF5	Y	Two Way	-.012
3	FF5	GSIP3	GSIP1	FF2	Y	Two Way	-.012

Member Area Loads (BLC 18 : Ice Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	FF2	GSIP1	GSIP2	FF1	Y	Two Way	-.005
2	FF1	GSIP2	GSIP3	FF5	Y	Two Way	-.005
3	FF5	GSIP3	GSIP1	FF2	Y	Two Way	-.005

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	SA1	max	.807	2	2.276	34	2.764	21	1.038	58	1.821	28	5.324	34
2		min	-.865	26	.81	10	-2.751	13	-.056	17	-1.793	4	1.832	10
3	SA2	max	2.519	18	2.254	45	1.585	23	4.653	45	1.662	26	-.809	7
4		min	-2.478	10	.804	5	-1.537	15	1.584	4	-1.654	2	-2.466	42
5	SA3	max	2.293	18	2.094	39	1.443	5	-1.247	65	1.368	18	-.649	63
6		min	-2.277	10	.642	64	-1.504	29	-4.226	39	-1.35	10	-2.463	42
7	Totals:	max	5.611	18	6.563	49	5.459	22						
8		min	-5.611	10	2.437	2	-5.459	14						

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

	Member	Shape	Code Check	Loc...	LC	Shear Ch...	Loc[ft]	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*M...	...	Eqn
1	HR-3	PIPE_2.0	.848	7.7...	42	.071	2.25		27	1.224	32.13	1.872	1.872	2...	H1-1a
2	HR-1	PIPE_2.0	.845	7.7...	34	.053	2.25		46	1.224	32.13	1.872	1.872	2...	H1-1a
3	FFTH	L3X3X4	.842	7	58	.139	0	z	18	3.945	46.656	1.688	2.811	1...	H2-1
4	SF1-TH	L3X3X4	.834	7	47	.109	14	z	27	3.945	46.656	1.688	2.769	1...	H2-1
5	SF2-TH	L3X3X4	.815	14	32	.088	14	z	23	3.945	46.656	1.688	3.002	2...	H2-1
6	HR-2	PIPE_2.0	.729	5.7...	38	.045	11.25		34	1.224	32.13	1.872	1.872	2...	H1-1a
7	GSIP-1	L3X3X4	.469	3.5	62	.023	3.5	y	60	15.779	46.656	1.688	3.225	1...	H2-1
8	GSIP-2	L3X3X4	.460	3.5	51	.023	3.5	y	53	15.779	46.656	1.688	3.228	1...	H2-1
9	SA-2	HSS4X4...	.453	0	42	.161	0	y	60	105.692	106.812	12.662	12.662	1...	H1-1b
10	SA-1	HSS4X4...	.448	0	44	.156	0	y	52	105.692	106.812	12.662	12.662	1...	H1-1b
11	MP-1	PIPE_2.0	.424	3	19	.081	3		36	19.964	32.13	1.872	1.872	1...	H1-1b
12	SA-3	HSS4X4...	.416	0	42	.088	0	z	10	105.692	106.812	12.662	12.662	1...	H1-1b
13	MP-9	PIPE_2.0	.380	3	47	.080	3		34	19.964	32.13	1.872	1.872	1...	H1-1b
14	GSIP-3	L3X3X4	.380	3.5	42	.016	3.5	y	46	15.779	46.656	1.688	3.164	1...	H2-1
15	MP-11	PIPE_2.0	.371	3	42	.086	3		42	19.964	32.13	1.872	1.872	1...	H1-1b
16	MP-3	PIPE_2.0	.354	3	44	.080	3		47	19.964	32.13	1.872	1.872	1...	H1-1b
17	MP-5	PIPE_2.0	.352	3	23	.069	3		46	19.964	32.13	1.872	1.872	1...	H1-1b
18	MP-7	PIPE_2.0	.323	3	34	.069	3		34	19.964	32.13	1.872	1.872	1...	H1-1b
19	MP-10	PIPE_2.0	.305	3	21	.047	3		22	19.964	32.13	1.872	1.872	1...	H1-1b
20	MP-12	PIPE_2.0	.296	3	29	.057	3		56	19.964	32.13	1.872	1.872	1...	H1-1b
21	MP-6	PIPE_2.0	.287	3	31	.061	3		31	19.964	32.13	1.872	1.872	1...	H1-1b
22	MP-8	PIPE_2.0	.279	3	23	.057	3		31	19.964	32.13	1.872	1.872	1...	H1-1b
23	MP-2	PIPE_2.0	.276	3	39	.085	3		26	19.964	32.13	1.872	1.872	1...	H1-1b
24	MP-4	PIPE_2.0	.262	3	18	.055	3		26	19.964	32.13	1.872	1.872	1...	H1-1b
25	SA-2B	HSS4.5X...	.228	0	49	.082	0	y	58	114.62	121.302	16.25	16.25	1...	H1-1b
26	SA-1B	HSS4.5X...	.225	0	38	.078	0	y	58	114.62	121.302	16.25	16.25	1...	H1-1b
27	SA-3B	HSS4.5X...	.213	0	43	.051	0	y	42	114.62	121.302	16.25	16.25	1...	H1-1b
28	GSI-2	LL3x3x4x0	.196	0	28	.015	4.042	z	19	76.244	93.312	6.48	4.355	1...	H1-1b
29	GSI-1	LL3x3x4x0	.167	0	25	.014	4.042	y	43	76.244	93.312	6.48	4.355	1...	H1-1b
30	GSI-3	LL3x3x4x0	.164	0	30	.013	4.042	y	43	76.244	93.312	6.48	4.355	1...	H1-1b
31	HRB-2	PIPE_2.0	.026	2.8...	26	.041	0		38	21.615	32.13	1.872	1.872	1...	H1-1b
32	HRB-3	PIPE_2.0	.025	2.8...	23	.042	0		42	21.615	32.13	1.872	1.872	1...	H1-1b
33	HRB-1	PIPE_2.0	.025	2.8...	29	.045	0		46	21.615	32.13	1.872	1.872	1...	H1-1b
34	HRC-3	L2x2x2	.009	.612	24	.018	1.25	y	27	12.436	15.908	.403	.845	1...	H2-1
35	HRC-2	L2x2x2	.007	.625	26	.009	0	z	27	12.436	15.908	.403	.845	1...	H2-1
36	HRC-1	L2x2x2	.006	.625	29	.006	0	z	21	12.436	15.908	.403	.845	1...	H2-1

Company : Tower Engineering Professionals, Inc.
Designer : DC
Job Number : TEP No. 25656.317427
Model Name : CCI BU No. 876334

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Envelope None Cold Formed Steel Code Checks

Member	Shape	Code Check	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	Pn[k]	Tn[k]	Mnyy[k-...	Mnzz[k-...	Cb	Cmyy	Cmzz	Eqn
No Data to Print ...																

Exhibit F

Power Density/RF Emissions Report

Site Name: Southington, CT
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissable Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW PCS	1970	1	6375	6375	132	0.1316	1.0	13.16%
VZW Cellular LTE	869	1	1630	1630	132	0.0336	0.579333333	5.81%
VZW Cellular	869	3	411	1233	132	0.0254	0.579333333	4.39%
VZW AWS	2145	1	6310	6310	132	0.1302	1.0	13.02%
VZW 700	746	1	2750	2750	132	0.0568	0.497333333	11.41%

Total Percentage of Maximum Permissible Exposure 47.79%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Section 1.13101 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case maximum values used, including the following assumptions:
1. closest accessible point is distance from antenna to base of pole;
2. continuous transmission from all available channels at full power for indefinite time period; and,
3. all RF energy is assumed to be directed solely to the base of the pole.