300 Meridian Centre
Rochester, NY 14618

December 12, 2019

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

RE: **Notice of Exempt Modification for Verizon**
Crown Site BU: 8855662
340 Bloomfield Avenue, Windsor, CT 06095
Lat: 41° 51' 9.34" / Long: -72° 39' 37.79"

Dear Ms. Bachman:

Verizon currently maintains twelve (12) total antennas at the 128-foot mount on the existing 150-foot monopole tower, located at 340 Bloomfield Avenue, Windsor, CT. The tower is owned by Crown Castle and the property is owned by the Town of Windsor. Verizon now intends to replace three (3) existing antennas at the 128-foot mount.

Tower modifications:

- Remove three (3) powerwave P6516XL antennas
- Add three (3) CBRS antennas
- Add three (3) CBRS RRHs

Ground modifications:

- None

Melanie A. Bachman

This facility was approved by the by the Town of Windsor Planning & Zoning Commission on October 10, 2000. This approval included the conditions that:

1. Final approval of the Fire Marshal regarding fire safety issues

This condition was related to the original building of the tower and not modifications going forward. This modification complies with the aforementioned condition(s).

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.S.C.A. § 16-50j-73, a copy of this letter is being sent to The Honorable Donald S. Trinks, Mayor, Town of Windsor, as well as the property owner.

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

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

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

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

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

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

For the foregoing reasons, 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:

The Honorable Donald S. Trinks, Mayor
Town of Windsor
275 Broad Street
Windsor, CT 06095

Town of Windsor Planning & Zoning
275 Broad Street
Windsor, CT 06095

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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.

Exhibit A

Original Facility Approval

TOWN OF
WINDSOR
First in Connecticut. First for its citizens.

October 25, 2000

Cuddy & Feder & Worby LLP
ATTN: Daniel F. Leary
90 Maple Avenue
White Plains, NY 10601-5196

Subject: **Special Use #546** - Wireless Telecommunications Tower, 340 Bloomfield Avenue, Zoning Regulations Sections 12.2 & 2.2.19E(1), NZ Zone, Town of Windsor/AT&T Wireless PCS, LLC

Site Plan #308E - Revision, Wireless Telecommunications Tower, 340 Bloomfield Avenue, NZ Zone, Town of Windsor/AT&T Wireless PCS, LLC

Dear Mr. Leary:

At its meeting on October 10, 2000 the Windsor Town Planning & Zoning Commission took the following action on the subject applications:

Approved subject to the following condition:

1) Final approval of the Fire Marshal regarding fire safety issues

Approval includes the following distance waiver:

1) 83 feet for Bloomfield Avenue south of site

Very truly yours,

Town Planning & Zoning Commission

/mm

I, Anita M. Mips, Chairperson of the Windsor Town Planning and Zoning Commission, hereby certify that on October 10, 2000 the Planning and Zoning Commission of the Town of Windsor granted approval of Special Use Application #546 for a Wireless Telecommunications Tower with a monopole height of 150 feet plus 20-foot Town public service whip antennas for a total height of 170 feet, under Zoning Regulations Sections 12.2 & 2.2.19E(1), subject to the following condition:

1) Final approval of the Fire Marshal regarding fire safety issues.

This approval also includes the following waiver in accordance with Zoning Regulations Section 12.1:

1) a waiver of the fall zone distance requirement for 83 feet in relation to the distance of the tower from Bloomfield Avenue, 340 feet being required, 257 feet being proposed.

Said Special Use was granted for the property located at: 340 Bloomfield Avenue

The owner of record of said parcel is: Town of Windsor

Dated at Windsor, Connecticut, this 30th day of November, 2000

_____ Chairperson

Public Act #75-317

Received for Record this _____ day of _____, 2000

_____ Attest: Town Clerk

Exhibit B

Property Card

Property Location: 340 BLOOMFIELD AVE | *MAP ID:* 54/ 456/ 98/T / | *Bldg Name:* | *State Use:* 4340

Vision ID: 100890 | Account # 03788.01 | *Bldg #:* 1 of 1 | *Sec #:* 1 *of* 1 | *Card* 1 *of* 1 | *Print Date:* 06/19/2019 09:19

CURRENT OWNER

WINDSOR TOWN OF
C/O AT&T MOBILITY
575 MOROSGO DR SUITE 13-F
WEST TOWER ATTN: NREA TAX DEPT
ATLANTA, GA 30324
Additional Owners:

TOPO. / UTILITIES / STRT./ROAD / LOCATION

SUPPLEMENTAL DATA

Account #	03788.01	CTRACT	4736.02
INC:		CBLOCK	208
GH		DIST	
		HEART	
2007	277340	GL YEAR	
GIS ID:	3788.01	*ASSOC PID#*	

CURRENT ASSESSMENT

Description	Code	Appraised Value	Assessed Value
IND LAND	3-1	205,000	143,500
IND BLDG	3-2	19,100	13,370
IND IMPR	3-3	220,500	154,350
	Total	444,600	311,220

6164
WINDSOR, CT

VISION

RECORD OF OWNERSHIP

	BK-VOL/PAGE	SALE DATE	q/u	v/i	SALE PRICE	V.C.
WINDSOR TOWN OF	190/ 568	08/06/1963				

PREVIOUS ASSESSMENTS (HISTORY)

Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
2018	3-1	143,500	2017	3-1	143,500	2016	3-1	143,500
2018	3-2	13,370	2017	3-2	10,290	2016	3-2	10,290
2018	3-3	154,350	2017	3-3	154,350	2016	3-3	154,350
	Total:	311,220		*Total:*	308,140		*Total:*	308,140

EXEMPTIONS

Year	Type	Description	Amount
		Total:	

This signature acknowledges a visit by a Data Collector or Assessor

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	0
Appraised XF (B) Value (Bldg)	0
Appraised OB (L) Value (Bldg)	220,500
Appraised Land Value (Bldg)	205,000
Special Land Value	0
Total Appraised Parcel Value	444,600
Valuation Method:	I
Adjustment:	0
Net Total Appraised Parcel Value	**444,600**

NOTES

09310.01 LAND VALUE ADJUSTED
54-456-98T PER INC APPR 10/2003
AT&T CELLULAR TOWER
MARKET VALUE PER
INCOME CAPITALIZATION
10/01/2001 SK

BUILDING PERMIT RECORD

Permit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments
P-190267	02/13/2019	PL	Plumbing	2,500		0		GAS PIPING FOR GENE
B-190129	01/23/2019	CM	Commercial	8,500		0		INSTALL GENERATOR
B-182243	09/05/2018	RE	Renovation	15,000		0		GENERATOR ON CONC
B-170622	03/30/2017	CM	Commercial	20,000	08/17/2017	100	10/01/2017	REPLACE 3 ANTENNAS
E-160074	01/11/2016	EL	Electric	15,000	08/18/2016	100	10/01/2016	REPLACE 6 ANTENNA
B-150876	05/01/2015	CM	Commercial	20,000	06/19/2015	100	10/01/2015	ADD 3 NEW ANTENNA
B-141344	04/15/2015	CM	Commercial	0	06/19/2015	100	10/01/2015	SWAPPING 6 ANTENNA

VISIT/ CHANGE HISTORY

Type	Date	IS	ID	Cd.	Purpose/Result
	06/19/2015		LL	20	Bldg Permit Insp
	10/01/2001		SK	01	Measur+1Visit

LAND LINE VALUATION SECTION

B#	Use Code	Description	Zone	D	Frontage	Depth	Units		Unit Price	I. Factor	S.A.	S.O.	C. Factor	ST. Idx	Adj.	Notes- Adj	Special Pricing	Land Value
1	4340	Cell Tower	NZ				0.05	AC	82,000.00	50.0000	0	0	1.00		0.00	CELL TOWER SITE		205,000
						Total Card Land Units:	0.05	AC	*Parcel Total Land Area:*	0.05 AC							*Total Land Value:*	205,000

CONSTRUCTION DETAIL

Element	Cd.	Ch.	Description
Model	00		Vacant

CONSTRUCTION DETAIL (CONTINUED)

Element	Cd.	Ch.	Description

MIXED USE

Code	Description	Percentage
4340	Cell Tower	100

COST/MARKET VALUATION

Unadj. Base Rate	0
Net Other Adj:	0.00
Bldg Value New	0
Year Built	
Eff. Year Built	
Dep Code	
Remodel Rating	
Year Remodeled	
Nrml Physc Dep	
Functional Obslnc	
External Obslnc	
Condition	
% Complete	
Overall % Cond	
Depr Bldg Value	

PHOTO & SKETCH

No Photo On Record

OB-OUTBUILDING && YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)

Code	Description	L/B	Units	Unit Price	Yr	Dp Rt	%Cnd	Apr Value
CB3	PerCastConCel	L	900	350.00	2001	0	70	220,500

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Gross Area
	Ttl. Gross Liv/Lease Area:	0	0

Bldg Val:

Google Maps

41°51'09.3"N 72°39'37.8"W

Tower location - 340 BLOOMFIELD AVENUE, WINDSOR, CT 06095

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

41°51'09.3"N 72°39'37.8"W

41.852594, -72.660497

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

340 Bloomfield Ave, Windsor, CT 06095

V83Q+2R Windsor, Connecticut

Exhibit C

Construction Drawings

verizon

WINDSOR 3 CT
340 BLOOMFIELD AVE
WINDSOR, CT 06095

PROJECT SUMMARY

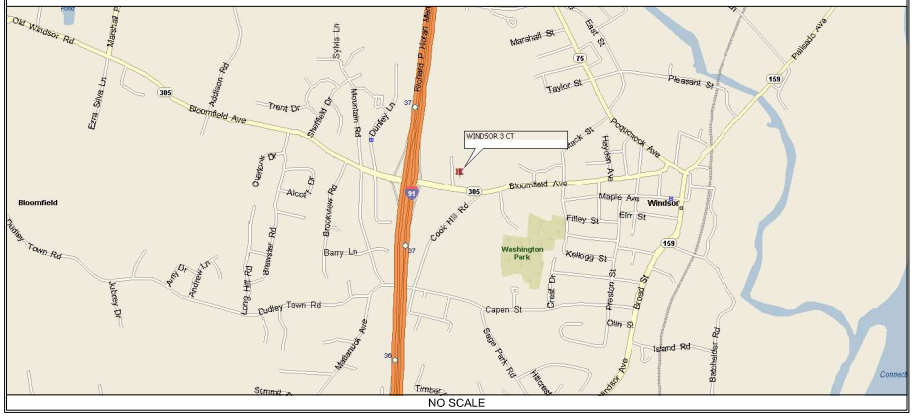
SITE NAME:	WINDSOR 3 CT
SITE ADDRESS:	340 BLOOMFIELD AVE WINDSOR, CT 06095
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DR CANONSBURG, PA 15317
BU NUMBER:	855662
MAP NUMBER: LOT NUMBER:	54 456
CUSTOMER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE WALLINGFORD, CT 06492
CONTACT:	ANDREW LEONE (617) 620-4175
NAD83	
LATITUDE: LONGITUDE: ELEVATION:	41° 51' 9.34" N 72° 39' 37.79" W 118'
CURRENT ZONING:	NZ
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
STRUCTURAL	2018 CT SBC
MECHANICAL	2018 CT SBC
ELECTRICAL	NEC 2017

LOCATION MAP



NO SCALE

DRIVING DIRECTIONS

DEPART FROM BRADLEY INTERNATIONAL AIRPORT ON LOCAL ROAD. TAKE LOCAL ROAD ONTO TERMINAL RD. ROAD NAME CHANGES TO BRADLEY FIELD CONNECTOR. ROAD NAME CHANGES TO CT-20 [BRADLEY FIELD CONNECTOR]. TAKE RAMP ONTO I-91 [RICHARD P HORAN MEMORIAL HWY]. AT EXIT 37, TURN RIGHT ONTO RAMP. TURN RIGHT ONTO CT-305 [BLOOMFIELD AVE]. TURN LEFT ONTO WILLIAM ST. TURN RIGHT ONTO LOCAL ROAD. ARRIVE AT WINDSOR 3 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.

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

WINDSOR 3 CT
340 BLOOMFIELD AVE
WINDSOR, CT 06095
EXISTING MONOPOLE

PROJECT NO:	91728.011.01
CHECKED BY:	RMC

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	11/12/19	STH	CONSTRUCTION
1	12/10/19	STH	CONSTRUCTION

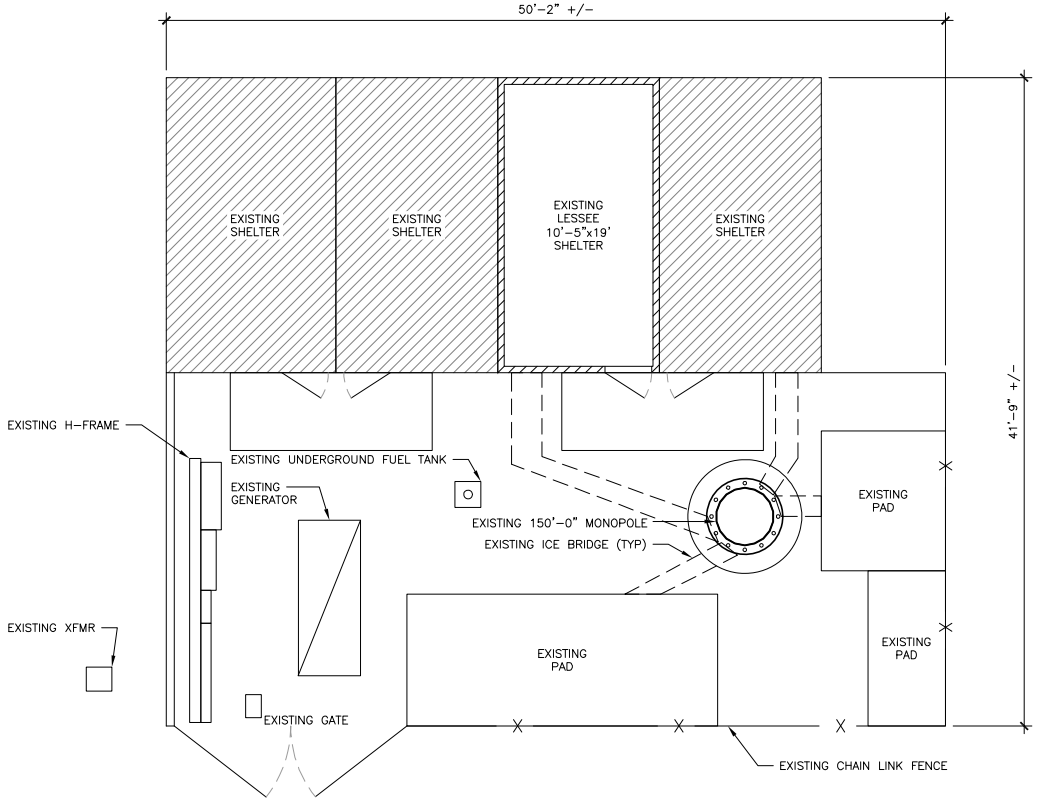
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/20

STATE OF CONNECTICUT
31627
LICENSED
PROFESSIONAL ENGINEER

12/10/19

SHEET NUMBER:	REVISION:
T-1	1

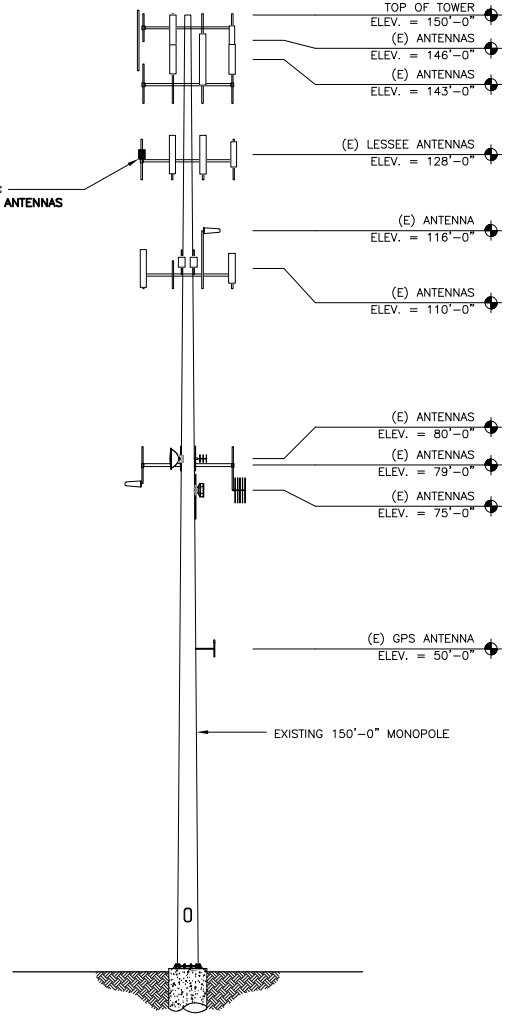
NOTES:
1. CONTRACTOR TO VERIFY EXACT COAX AND ANTENNA INSTALLATION AND ANTENNA HEIGHT WITH LATEST RF DATA SHEETS PRIOR TO INSTALLATION.
2. STRUCTURAL ANALYSIS DONE BY OTHERS.
3. VERIZON SHALL PROVIDE A STRUCTURAL ANALYSIS OF THE TOWER PREPARED BY A LICENSED STATE STRUCTURAL ENGINEER CERTIFYING THAT THE 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: 177' (EACH RUN)



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

N

EXISTING TO BE REMOVED:
(3) POWERWAVE P6516XL ANTENNAS
EXISTING TO REMAIN:
(3) CDMA ANTENNAS
(6) LTE ANTENNAS
(6) LTE RRHS
(6) COAX CABLES
(1) HYBRID CABLE
(1) OVP BOX
PROPOSED:
(3) CBRS ANTENNAS
(3) CBRS RRHS



2 FINAL TOWER ELEVATION
SCALE: N.T.S.

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verizon

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

WINDSOR 3 CT

340 BLOOMFIELD AVE
WINDSOR, CT 06095

EXISTING MONOPOLE

PROJECT NO:	91728.011.01
CHECKED BY:	RMC

ISSUED FOR:

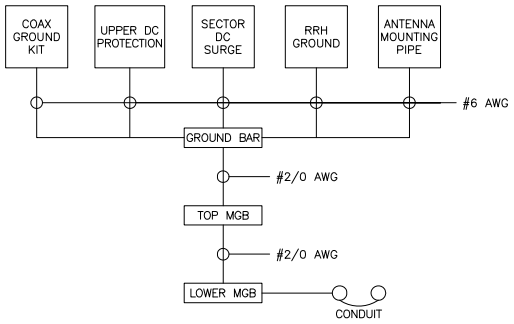
REV	DATE	DRWN	DESCRIPTION
0	11/12/19	STH	CONSTRUCTION
1	12/10/19	STH	CONSTRUCTION

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

STATE OF CONNECTICUT
31627
LICENSED PROFESSIONAL ENGINEER
12/10/19

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).

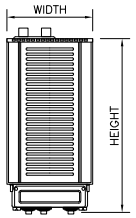


NOTE:
1. BOND ANTENNA GROUNDING KIT CABLES TO TOP CIBE.
2. BOND ANTENNA GROUNDING KIT CABLE TO BOTTOM CIBE.
3. TYPICAL FOR ALL SECTORS.

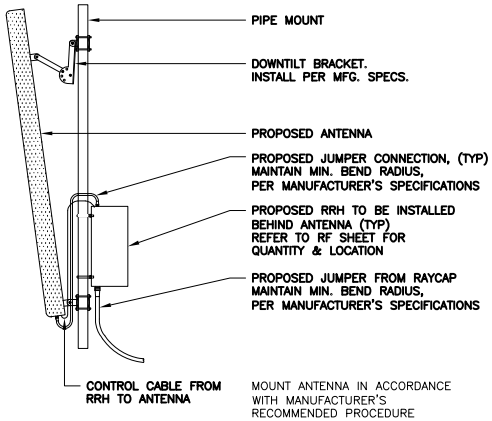
1 GROUNDING SCHEMATIC DIAGRAM
SCALE: N.T.S.

REMOTE RADIO HEAD DIMENSIONS (INCHES)

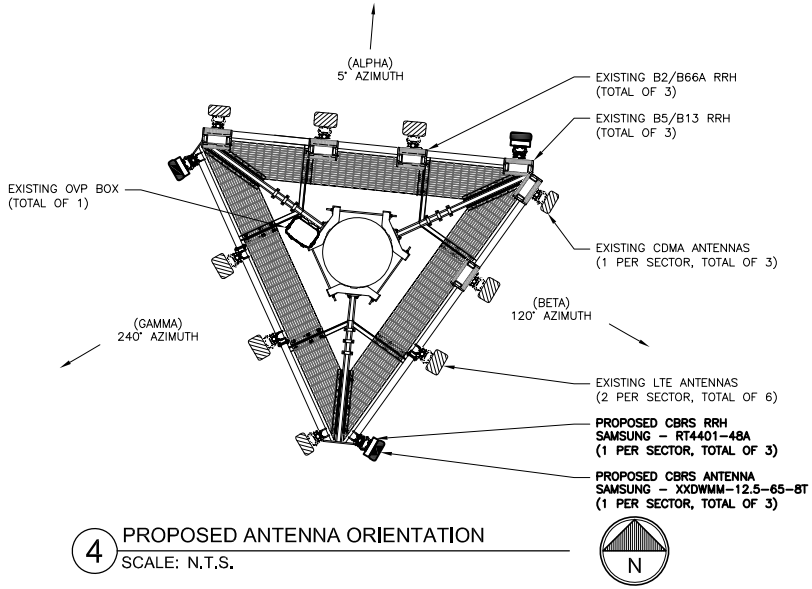
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
CBRS RT4401-48A	12.1"	8.5"	4.1"	18.64 LBS



2 RRH SPECIFICATIONS
SCALE: N.T.S.



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



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

B+T GRP

verizon

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

WINDSOR 3 CT

340 BLOOMFIELD AVE
WINDSOR, CT 06095

EXISTING MONOPOLE

PROJECT NO:	91728.011.01
CHECKED BY:	RMC

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	11/12/19	STH	CONSTRUCTION
1	12/10/19	STH	CONSTRUCTION

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

SHEET NUMBER:	REVISION:
A-2	1

Exhibit D

Structural Analysis Report

Date: **November 8, 2019**

Denice Nicholson
Crown Castle
3 Corporate Dr.
Clifton Park, NY 12065

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351

Subject: Structural Analysis Report

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Carrier Site Number:	NG36734
	Carrier Site Name:	Windsor 3 CT
Crown Castle Designation:	**Crown Castle BU Number:**	855662
	Crown Castle Site Name:	WindsorCentral
	Crown Castle JDE Job Number:	592727
	Crown Castle Work Order Number:	1803411
	Crown Castle Order Number:	506813 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	58885.319440
Site Data:	**340 Bloomfield Avenue, Windsor, Hartford County, CT 06095** **Latitude *41° 51' 9.34"*, Longitude *-72° 39' 37.79"*** **148 Foot - Monopole Tower**	

Dear Denice Nicholson,

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

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

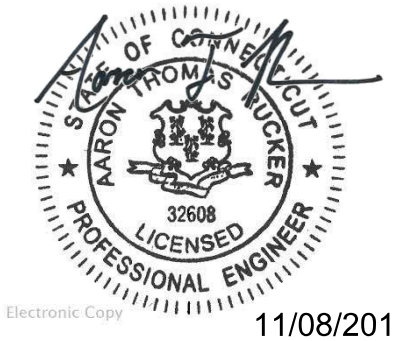
LC7: Proposed Equipment Configuration **Sufficient Capacity – 85.0%**

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: Clint P. Oestreich / MBB

Respectfully submitted by:

Aaron T. Rucker, P.E.



Electronic Copy

11/08/2019

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 148-ft monopole tower designed by Paul J. Ford and Company and mapped by BTE Management Group, LLC in July of 2012. The tower has been modified per reinforcement drawings prepared by B+T Group in October of 2014. All information provided to TEP was assumed to be accurate and complete.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1.0
Ice Thickness:	2.0 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)
126.0	127.0	3	Antel	BXA-70063-4CF-EDIN-X w/ Mount Pipe	7	1-5/8
		6	Commscope	SBNHH-1D65B w/ Mount Pipe		
		3	Samsung Telecom.	CBRS w/ Mount Pipe		
		3	Samsung Telecom.	20W CBRS		
		1	RFS Celwave	DB-T1-6Z-8AB-0Z		
	126.0	3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		1	SitePro 1	HRK14 Handrail Kit		
		1	SitePro 1	PRK-1245L Kicker Kit		
		1	Tower Mounts	Low Profile Platform Mount [LP 403-1]		

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)
148.0	152.0	1	RFS Celwave	PD320-2	7 2 1 1	1-5/8 3/4 3/8 7/8
	148.0	1	Tower Mounts	Platform Mount [LP 1201-1_HR-1]		
	146.0	3	Kathrein	800 10121 w/ Mount Pipe		
		1	Quintel Technology	QS86512-2 w/ Mount Pipe		
		2	Quintel Technology	QS66512-2 w/ Mount Pipe		
		1	Raycap	DC6-48-60-18-8F		
		3	Ericsson	RRUS12/RRUS A2		
		3	Ericsson	RRUS 11		
		3	CCI Antennas	DTMABP7819VG12A		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
139.0	139.0	3	Ericsson	AIR 21 B2A B4P w/ Mount Pipe	13	1-5/8
		3	Ericsson	AIR 32 B2A/B66AA w/ Mount Pipe		
		3	RFS Celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	Ericsson	Radio 4449 B12/B71		
		3	Ericsson	KRY 112 144/1		
		1	SitePro 1	HRK14 Handrail Kit		
		1	Tower Mounts	Platform Mount [LP 1201-1]		
111.0	111.0	3	Alcatel Lucent	800MHz 2X50W RRH w/ Filter	-	-
		3	Alcatel Lucent	PCS 1900MHz 4x45W-65MHz		
		1	Tower Mounts	Pipe Mount [PM 601-3]		
109.0	116.0	1	Decibel	DB205-L	5 3 1 3	7/8 5/16 5/8 1-1/4
		1	Kathrein	K732267		
	113.0	1	Sinclair	SD212-SF3P2SNM w/ Mount Pipe		
	110.0	3	RFS Celwave	APXVTM14-C-120 w/ Mount Pipe		
		4	RFS Celwave	APXVSPP18-C-A20 w/ Mount Pipe		
		3	Alcatel Lucent	TD-RRH8X20-25		
	109.0	1	Tower Mounts	Platform Mount [LP 1201-1]		
80.0	80.0	1	RFS Celwave	SC3-W100ASTX	1 1	EU 90-FR 1/2
		1	Telewave	ANT450Y5-WR		
		2	Tower Mounts	Pipe Mount [PM 601-1]		
79.0	79.0	1	Tower Mounts	Side Arm Mount [SO 702-3]	2	7/8
	76.0	1	Kathrein	K732267		
	75.0	1	Sinclair	SRL-227		
74.0	75.0	1	Radiowaves	HP2-23	1	3/8
	74.0	1	Tower Mounts	Pipe Mount [PM 601-1]		
50.0	51.0	1	Pctel	GPS-TMG-HR-26N	1	1/2
	50.0	1	Tower Mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
Geotechnical Report	Tectonic Engineering Consultants, P.C.	5269642	CCISites
Tower Foundation Drawings	Paul J. Ford and Company	4864324	CCISites
Tower Manufacturer Drawings	Paul J. Ford and Company	5338627	CCISites
Tower Mapping Report	BTE Management Group, LLC		
Tower Reinforcement Drawings	B+T Group	5373232	CCISites
Post-Modification Inspection	Tower Engineering Professionals	5649676	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 presented in Appendix C.

3.2) Assumptions

1) The tower and foundation were built and maintained in accordance with the manufacturer's specification.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2, and the referenced drawings.
3) All tower components are in sufficient condition to carry their full design capacity.
4) Serviceability with respect to antenna twist, tilt, roll, or lateral translation, is not checked and is left to the carrier or tower owner to ensure conformance.
5) All antenna mounts and mounting hardware are structurally sufficient to carry the full design capacity requirements of appurtenance wind area and weight as provided by the original manufacturer specifications. It is the carrier's responsibility to ensure compliance to the structural limitations of the existing and/or proposed antenna mounts. TEP did not perform a site visit to verify the size, condition or capacity of the antenna mounts and did not analyze antennas supporting mounts as part of this structural analysis report.
6) When applicable, the effective projected area (EPA) of appurtenances was determined by computational fluid dynamics (CFD) testing performed by Crown Castle. TEP assumes the means and methods used to determine the EPA's yields results that follow the intent of TIA-222-H and are accurate and complete.

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 tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)[1,2]

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
148 - 143	Pole	TP24.975x24x0.2188	Pole	3.6%	Pass
143 - 138	Pole	TP25.95x24.975x0.2188	Pole	8.4%	Pass
138 - 133	Pole	TP26.925x25.95x0.2188	Pole	15.5%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
133 - 128	Pole	TP27.901x26.925x0.2188	Pole	22.2%	Pass
128 - 123	Pole	TP28.876x27.901x0.2188	Pole	30.6%	Pass
123 - 119.75	Pole	TP30.241x28.876x0.2188	Pole	36.0%	Pass
119.75 - 114.75	Pole	TP30.047x29.072x0.25	Pole	37.6%	Pass
114.75 - 109.75	Pole	TP31.022x30.047x0.25	Pole	43.9%	Pass
109.75 - 104.75	Pole	TP31.997x31.022x0.25	Pole	52.3%	Pass
104.75 - 99.75	Pole	TP32.972x31.997x0.25	Pole	59.5%	Pass
99.75 - 94.75	Pole	TP33.947x32.972x0.25	Pole	66.2%	Pass
94.75 - 93.5	Pole	TP34.191x33.947x0.25	Pole	67.8%	Pass
93.5 - 93.25	Pole + Reinf.	TP34.24x34.191x0.4375	Reinf. 4 Tension Rupture	56.2%	Pass
93.25 - 88.25	Pole + Reinf.	TP35.215x34.24x0.4313	Reinf. 4 Tension Rupture	61.5%	Pass
88.25 - 83.25	Pole + Reinf.	TP36.19x35.215x0.425	Reinf. 4 Tension Rupture	66.5%	Pass
83.25 - 79.5	Pole + Reinf.	TP37.847x36.19x0.425	Reinf. 4 Tension Rupture	70.1%	Pass
79.5 - 74.5	Pole + Reinf.	TP37.396x36.421x0.4875	Reinf. 4 Tension Rupture	66.7%	Pass
74.5 - 69.5	Pole + Reinf.	TP38.371x37.396x0.475	Reinf. 4 Tension Rupture	70.8%	Pass
69.5 - 64.5	Pole + Reinf.	TP39.346x38.371x0.475	Reinf. 4 Tension Rupture	74.7%	Pass
64.5 - 59.5	Pole + Reinf.	TP40.321x39.346x0.4688	Reinf. 4 Tension Rupture	78.4%	Pass
59.5 - 57.75	Pole + Reinf.	TP40.663x40.321x0.4625	Reinf. 4 Tension Rupture	79.6%	Pass
57.75 - 57.5	Pole + Reinf.	TP40.711x40.663x0.525	Reinf. 2 Tension Rupture	70.3%	Pass
57.5 - 52.5	Pole + Reinf.	TP41.687x40.711x0.525	Reinf. 2 Tension Rupture	73.5%	Pass
52.5 - 47.5	Pole + Reinf.	TP42.662x41.687x0.5125	Reinf. 2 Tension Rupture	76.6%	Pass
47.5 - 45	Pole + Reinf.	TP44.222x42.662x0.5125	Reinf. 2 Tension Rupture	78.1%	Pass
45 - 38.5	Pole + Reinf.	TP43.792x42.524x0.575	Reinf. 2 Tension Rupture	74.6%	Pass
38.5 - 33.5	Pole + Reinf.	TP44.767x43.792x0.5625	Reinf. 2 Tension Rupture	77.0%	Pass
33.5 - 31.75	Pole + Reinf.	TP45.108x44.767x0.5625	Reinf. 2 Tension Rupture	77.8%	Pass
31.75 - 31.5	Pole + Reinf.	TP45.157x45.108x0.725	Reinf. 1 Bolt Shear	64.9%	Pass
31.5 - 28.25	Pole + Reinf.	TP45.791x45.157x0.725	Reinf. 1 Compression	63.7%	Pass
28.25 - 28	Pole + Reinf.	TP45.84x45.791x0.5375	Reinf. 1 Compression	71.9%	Pass
28 - 23	Pole + Reinf.	TP46.815x45.84x0.5375	Reinf. 1 Compression	73.9%	Pass
23 - 18	Pole + Reinf.	TP47.79x46.815x0.525	Reinf. 1 Compression	75.8%	Pass
18 - 13	Pole + Reinf.	TP48.765x47.79x0.525	Reinf. 1 Compression	77.6%	Pass
13 - 8	Pole + Reinf.	TP49.74x48.765x0.525	Reinf. 1 Compression	79.3%	Pass
8 - 3	Pole + Reinf.	TP50.715x49.74x0.525	Reinf. 1 Compression	80.9%	Pass
3 - 0	Pole + Reinf.	TP51.3x50.715x0.5188	Reinf. 1 Bolt Shear	85.0%	Pass
				Summary	
			Pole	71.4%	Pass
			Reinforcement	85.0%	Pass
			Overall	**85.0%**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	83.8	Pass
1,2	Base Plate	-	75.0	Pass
1,2	Base Foundation Soil Interaction	-	73.3	Pass
1,2	Base Foundation Structural	-	83.0	Pass

Structure Rating (max from all components) =	85.0%

Notes:
1) See additional documentation in "Appendix C - Additional Calculations" for calculations supporting the % capacity listed.
2) Rating per TIA-222-H Section 15.5

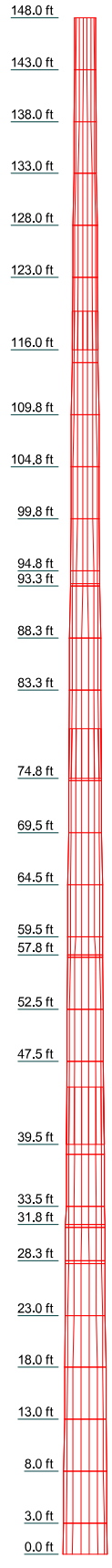
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

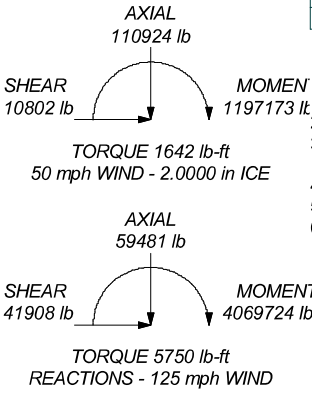
Section	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Length (ft)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.00
Number of Sides	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Thickness (in)	0.2188	0.2188	0.2188	0.2188	0.2188	0.2188	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.4375	0.4250	0.4250	0.4375	0.4750	0.4750	0.4688	0.4375	0.4375	0.5250	0.5125	0.5125	0.5750	0.5625	0.5625	0.5625	0.5625	0.5625	0.5375	0.5250	0.5250	0.5250	0.5250	0.5188
Socket Length (ft)						3.75										4.75									5.50													
Top Dia (in)	24.0000	24.9752	25.9503	26.9255	27.9006	28.8758	29.8509	30.8261	31.8012	32.7764	33.7515	34.7267	35.7018	36.6770	37.6521	38.6273	39.6024	40.5776	41.5527	42.5279	43.5030	44.4782	45.4533	46.4285	47.4036	48.3788	49.3539	50.3291	51.3042	52.2794	53.2545	54.2297	55.2048	56.1800	57.1551	58.1303	59.1054
Bot Dia (in)	24.9752	25.9503	26.9255	27.9006	28.8758	29.8509	30.8261	31.8012	32.7764	33.7515	34.7267	35.7018	36.6770	37.6521	38.6273	39.6024	40.5776	41.5527	42.5279	43.5030	44.4782	45.4533	46.4285	47.4036	48.3788	49.3539	50.3291	51.3042	52.2794	53.2545	54.2297	55.2048	56.1800	57.1551	58.1303	59.1054	60.0806
Grade	A607-65																																				
Weight (lb)	286.7	298.2	309.7	321.2	332.8	485.2	7	408.9	422.0	435.2	1448.3	1	1	767.4	780.7	1365.9	9.8	936.3	952.9	969.4	1	1	1099.5	1116.3	1832.7	57.5	1299.2	1	1	1	1	1467.2	1487.0	1506.9	1526.7	1546.6	1938.7



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
800 10121 w/ Mount Pipe	148	(2) SBNHH-1D65B w/ Mount Pipe	126
800 10121 w/ Mount Pipe	148	CBRS w/ Mount Pipe	126
800 10121 w/ Mount Pipe	148	CBRS w/ Mount Pipe	126
QS66512-2 w/ Mount Pipe	148	CBRS w/ Mount Pipe	126
QS86512-2 w/ Mount Pipe	148	(3) RFV01U-D1A	126
QS66512-2 w/ Mount Pipe	148	RFV01U-D2A	126
PD320-2	148	(2) RFV01U-D2A	126
DC6-48-60-18-8F	148	20W CBRS	126
RRUS12/RRUS A2	148	(2) 20W CBRS	126
RRUS12/RRUS A2	148	DB-T1-6Z-8AB-0Z	126
RRUS12/RRUS A2	148	Platform Mount [LP 404-1_KCKR]	126
RRUS 11	148	BXA-70063-4CF-EDIN-X w/ Mount Pipe	126
RRUS 11	148	TME-800MHz 2X50W RRH W/FILTER	111
RRUS 11	148	TME-800MHz 2X50W RRH W/FILTER	111
DTMABP7819VG12A	148	PCS 1900MHz 4x45W-65MHz	111
DTMABP7819VG12A	148	PCS 1900MHz 4x45W-65MHz	111
DTMABP7819VG12A	148	PCS 1900MHz 4x45W-65MHz	111
(2) 2.4" Dia. x 6-ft	148	Pipe Mount [PM 601-3]	111
(2) 2.4" Dia. x 6-ft	148	TME-800MHz 2X50W RRH W/FILTER	111
(2) 2.4" Dia. x 6-ft	148	APXVTM14-C-120 w/ Mount Pipe	109
Platform Mount [LP 1201-1_HR-1]	148	APXVTM14-C-120 w/ Mount Pipe	109
Side Arm Mount [SO 601-3]	147	APXVSPP18-C-A20 w/ Mount Pipe	109
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	139	APXVSPP18-C-A20 w/ Mount Pipe	109
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	139	(2) APXVSPP18-C-A20 w/ Mount Pipe	109
AIR 32 B2A/B66AA w/ Mount Pipe	139	SD212-SF3P2SNM W/Mount Piipe	109
AIR 32 B2A/B66AA w/ Mount Pipe	139	TD-RRH8X20-25	109
AIR 32 B2A/B66AA w/ Mount Pipe	139	TD-RRH8X20-25	109
APXVAARR24_43-U-NA20 w/ Mount Pipe	139	TD-RRH8X20-25	109
APXVAARR24_43-U-NA20 w/ Mount Pipe	139	DB205-L	109
APXVAARR24_43-U-NA20 w/ Mount Pipe	139	K732267	109
RADIO 4449 B12/B71	139	(2) 2.4" Dia. x 6-ft	109
RADIO 4449 B12/B71	139	(2) 2.4" Dia. x 6-ft	109
RADIO 4449 B12/B71	139	(2) 2.4" Dia. x 6-ft	109
KRY 112 144/1	139	Platform Mount [LP 1201-1]	109
KRY 112 144/1	139	APXVTM14-C-120 w/ Mount Pipe	109
KRY 112 144/1	139	Pipe Mount [PM 601-1]	80
(2) 2.4" Dia. x 4-ft	139	Pipe Mount [PM 601-1]	80
(2) 2.4" Dia. x 4-ft	139	ANT450Y5-WR	80
(2) 2.4" Dia. x 4-ft	139	SC3-W100ASTX	80
Platform Mount [LP 1201-1_HR-1]	139	2.4" Dia. x 4-ft	79
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	139	2.4" Dia. x 4-ft	79
BXA-70063-4CF-EDIN-X w/ Mount Pipe	126	2.4" Dia. x 4-ft	79
BXA-70063-4CF-EDIN-X w/ Mount Pipe	126	Side Arm Mount [SO 702-3]	79
(2) SBNHH-1D65B w/ Mount Pipe	126	SRL-227	79
(2) SBNHH-1D65B w/ Mount Pipe	126	K732267	79
		Pipe Mount [PM 601-1]	74
		HP2-23	74
		2.4" Dia. x 2-ft	50
		GPS-TMG-HR-26N	50
		Side Arm Mount [SO 701-1]	50
		Side Arm Mount [SO 601-3]	15

ALL REACTIONS ARE FACTORED



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-H Standard.
2. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.00 ft

Tower Engineering Professionals

Tower Engineering Professionals
326 Tryon Rd.
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job:	***WindsorCentral (BU 855662)***		
Project:	***TEP No. 58885.319440***		
Client: Crown Castle	Drawn by: Dustin T. Smith, P.E.	App'd:	
Code: TIA-222-H	Date: 11/08/19	Scale: NTS	
Path: \\tep-vstapp-01\towers\58885\P-204416_I-319440_855662_WINDSORCENTRAL_Structural Analysis\tnx\Tower\855662_1803411_I_CZ.eri		Dwg No. E-1	

Tower Input Data

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

Tower base elevation above sea level: 115.00 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 2.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56.00 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.05.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	148.00-143.00	5.00	0.00	18	24.0000	24.9752	0.2188	0.8750	A607-65 (65 ksi)
L2	143.00-138.00	5.00	0.00	18	24.9752	25.9503	0.2188	0.8750	A607-65 (65 ksi)
L3	138.00-133.00	5.00	0.00	18	25.9503	26.9255	0.2188	0.8750	A607-65 (65 ksi)
L4	133.00-128.00	5.00	0.00	18	26.9255	27.9006	0.2188	0.8750	A607-65 (65 ksi)
L5	128.00-123.00	5.00	0.00	18	27.9006	28.8758	0.2188	0.8750	A607-65 (65 ksi)
L6	123.00-116.00	7.00	3.75	18	28.8758	30.2410	0.2188	0.8750	A607-65 (65 ksi)
L7	116.00-114.75	5.00	0.00	18	29.0721	30.0471	0.2500	1.0000	A607-65 (65 ksi)
L8	114.75-109.75	5.00	0.00	18	30.0471	31.0221	0.2500	1.0000	A607-65 (65 ksi)
L9	109.75-104.75	5.00	0.00	18	31.0221	31.9971	0.2500	1.0000	A607-65 (65 ksi)
L10	104.75-99.75	5.00	0.00	18	31.9971	32.9721	0.2500	1.0000	A607-65 (65 ksi)
L11	99.75-94.75	5.00	0.00	18	32.9721	33.9471	0.2500	1.0000	A607-65 (65 ksi)
L12	94.75-93.50	1.25	0.00	18	33.9471	34.1908	0.2500	1.0000	A607-65 (65 ksi)
L13	93.50-93.25	0.25	0.00	18	34.1908	34.2396	0.4375	1.7500	A607-65 (65 ksi)
L14	93.25-88.25	5.00	0.00	18	34.2396	35.2145	0.4313	1.7250	A607-65 (65 ksi)
L15	88.25-83.25	5.00	0.00	18	35.2145	36.1895	0.4250	1.7000	A607-65 (65 ksi)
L16	83.25-74.75	8.50	4.75	18	36.1895	37.8470	0.4250	1.7000	A607-65 (65 ksi)
L17	74.75-74.50	5.00	0.00	18	36.4208	37.3959	0.4875	1.9500	A607-65 (65 ksi)
L18	74.50-69.50	5.00	0.00	18	37.3959	38.3711	0.4750	1.9000	A607-65 (65 ksi)
L19	69.50-64.50	5.00	0.00	18	38.3711	39.3462	0.4750	1.9000	A607-65 (65 ksi)
L20	64.50-59.50	5.00	0.00	18	39.3462	40.3214	0.4688	1.8750	A607-65 (65 ksi)
L21	59.50-57.75	1.75	0.00	18	40.3214	40.6627	0.4625	1.8500	A607-65 (65 ksi)
L22	57.75-57.50	0.25	0.00	18	40.6627	40.7114	0.5250	2.1000	A607-65 (65 ksi)
L23	57.50-52.50	5.00	0.00	18	40.7114	41.6866	0.5250	2.1000	A607-65 (65 ksi)
L24	52.50-47.50	5.00	0.00	18	41.6866	42.6618	0.5125	2.0500	A607-65 (65 ksi)
L25	47.50-39.50	8.00	5.50	18	42.6618	44.2220	0.5125	2.0500	A607-65 (65 ksi)
L26	39.50-38.50	6.50	0.00	18	42.5243	43.7919	0.5750	2.3000	A607-65 (65 ksi)
L27	38.50-33.50	5.00	0.00	18	43.7919	44.7670	0.5625	2.2500	A607-65 (65 ksi)
L28	33.50-31.75	1.75	0.00	18	44.7670	45.1083	0.5625	2.2500	A607-65 (65 ksi)
L29	31.75-31.50	0.25	0.00	18	45.1083	45.1570	0.7250	2.9000	A607-65 (65 ksi)
L30	31.50-28.25	3.25	0.00	18	45.1570	45.7908	0.7250	2.9000	A607-65 (65 ksi)
L31	28.25-28.00	0.25	0.00	18	45.7908	45.8396	0.5375	2.1500	A607-65

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L32	28.00-23.00	5.00	0.00	18	45.8396	46.8147	0.5375	2.1500	(65 ksi) A607-65 (65 ksi)
L33	23.00-18.00	5.00	0.00	18	46.8147	47.7897	0.5250	2.1000	(65 ksi) A607-65 (65 ksi)
L34	18.00-13.00	5.00	0.00	18	47.7897	48.7648	0.5250	2.1000	(65 ksi) A607-65 (65 ksi)
L35	13.00-8.00	5.00	0.00	18	48.7648	49.7399	0.5250	2.1000	(65 ksi) A607-65 (65 ksi)
L36	8.00-3.00	5.00	0.00	18	49.7399	50.7150	0.5250	2.1000	(65 ksi) A607-65 (65 ksi)
L37	3.00-0.00	3.00		18	50.7150	51.3000	0.5188	2.0750	(65 ksi) 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	24.3365	16.5116	1179.7676	8.4423	12.1920	96.7657	2361.0876	8.2574	3.8390	17.55
	25.3267	17.1887	1330.9301	8.7885	12.6874	104.9019	2663.6114	8.5960	4.0106	18.334
L2	25.3267	17.1887	1330.9301	8.7885	12.6874	104.9019	2663.6114	8.5960	4.0106	18.334
	26.3169	17.8657	1494.4828	9.1347	13.1828	113.3665	2990.9320	8.9346	4.1823	19.119
L3	26.3169	17.8657	1494.4828	9.1347	13.1828	113.3665	2990.9320	8.9346	4.1823	19.119
	27.3071	18.5428	1670.9138	9.4809	13.6781	122.1594	3344.0261	9.2732	4.3539	19.903
L4	27.3071	18.5428	1670.9138	9.4809	13.6781	122.1594	3344.0261	9.2732	4.3539	19.903
	28.2973	19.2199	1860.7111	9.8271	14.1735	131.2808	3723.8705	9.6118	4.5255	20.688
L5	28.2973	19.2199	1860.7111	9.8271	14.1735	131.2808	3723.8705	9.6118	4.5255	20.688
	29.2875	19.8969	2064.3628	10.1732	14.6689	140.7306	4131.4420	9.9504	4.6971	21.473
L6	29.2875	19.8969	2064.3628	10.1732	14.6689	140.7306	4131.4420	9.9504	4.6971	21.473
	30.6738	20.8448	2373.6799	10.6579	15.3624	154.5120	4750.4831	10.4244	4.9374	22.571
L7	30.2246	22.8704	2400.2845	10.2319	14.7686	162.5257	4803.7274	11.4374	4.6767	18.707
	30.4721	23.6440	2652.2055	10.5780	15.2639	173.7563	5307.9008	11.8243	4.8483	19.393
L8	30.4721	23.6440	2652.2055	10.5780	15.2639	173.7563	5307.9008	11.8243	4.8483	19.393
	31.4621	24.4177	2921.1639	10.9241	15.7592	185.3621	5846.1716	12.2112	5.0199	20.08
L9	31.4621	24.4177	2921.1639	10.9241	15.7592	185.3621	5846.1716	12.2112	5.0199	20.08
	32.4521	25.1913	3207.7173	11.2702	16.2545	197.3431	6419.6555	12.5981	5.1915	20.766
L10	32.4521	25.1913	3207.7173	11.2702	16.2545	197.3431	6419.6555	12.5981	5.1915	20.766
	33.4422	25.9650	3512.4232	11.6163	16.7498	209.6992	7029.4682	12.9849	5.3631	21.452
L11	33.4422	25.9650	3512.4232	11.6163	16.7498	209.6992	7029.4682	12.9849	5.3631	21.452
	34.4322	26.7386	3835.8391	11.9625	17.2451	222.4306	7676.7254	13.3718	5.5347	22.139
L12	34.4322	26.7386	3835.8391	11.9625	17.2451	222.4306	7676.7254	13.3718	5.5347	22.139
	34.6797	26.9320	3919.6818	12.0490	17.3689	225.6720	7844.5212	13.4686	5.5776	22.31
L13	34.6508	46.8707	6746.3886	11.9824	17.3689	388.4171	13501.6543	23.4398	5.2476	11.994
	34.7003	46.9384	6775.6619	11.9997	17.3937	389.5470	13560.2394	23.4736	5.2562	12.014
L14	34.7012	46.2764	6682.5722	12.0019	17.3937	384.1951	13373.9375	23.1426	5.2672	12.214
	35.6913	47.6109	7277.5542	12.3481	17.8890	406.8176	14564.6844	23.8100	5.4388	12.612
L15	35.6922	46.9293	7175.9492	12.3503	17.8890	401.1378	14361.3407	23.4691	5.4498	12.823
	36.6822	48.2446	7796.3386	12.6964	18.3843	424.0764	15602.9357	24.1269	5.6214	13.227
L16	36.6822	48.2446	7796.3386	12.6964	18.3843	424.0764	15602.9357	24.1269	5.6214	13.227
	38.3653	50.4804	8931.2919	13.2848	19.2263	464.5357	17874.3359	25.2450	5.9131	13.913
L17	37.8481	55.6004	9070.0357	12.7563	18.5017	490.2259	18152.0060	27.8055	5.5521	11.389
	37.8976	57.1093	9828.6824	13.1025	18.9971	517.3773	19670.2977	28.5601	5.7237	11.741
L18	37.8995	55.6638	9586.3984	13.1069	18.9971	504.6236	19185.4108	27.8372	5.7457	12.096
	38.8897	57.1340	10366.2244	13.4531	19.4925	531.8057	20746.0890	28.5724	5.9173	12.457
L19	38.8897	57.1340	10366.2244	13.4531	19.4925	531.8057	20746.0890	28.5724	5.9173	12.457
	39.8799	58.6042	11187.2347	13.7993	19.9879	559.7008	22389.1898	29.3077	6.0889	12.819

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
L20	39.8809	57.8424	11045.3604	13.8015	19.9879	552.6028	22105.2545	28.9267	6.0999	13.013
	40.8711	59.2932	11897.5265	14.1477	20.4833	580.8414	23810.7081	29.6523	6.2716	13.379
L21	40.8721	58.5118	11744.4166	14.1499	20.4833	573.3665	23504.2869	29.2615	6.2826	13.584
	41.2186	59.0129	12048.7030	14.2711	20.6566	583.2846	24113.2600	29.5120	6.3426	13.714
L22	41.2090	66.8834	13613.2140	14.2489	20.6566	659.0235	27244.3406	33.4481	6.2326	11.872
	41.2585	66.9647	13662.8847	14.2662	20.6814	660.6359	27343.7474	33.4887	6.2412	11.888
L23	41.2585	66.9647	13662.8847	14.2662	20.6814	660.6359	27343.7474	33.4887	6.2412	11.888
	42.2487	68.5896	14681.8359	14.6124	21.1768	693.2984	29382.9906	34.3013	6.4128	12.215
L24	42.2506	66.9769	14345.3297	14.6168	21.1768	677.4081	28709.5353	33.4948	6.4348	12.556
	43.2408	68.5631	15388.9108	14.9630	21.6722	710.0770	30798.0708	34.2881	6.6065	12.891
L25	43.2408	68.5631	15388.9108	14.9630	21.6722	710.0770	30798.0708	34.2881	6.6065	12.891
	44.8251	71.1012	17161.9154	15.5169	22.4648	763.9478	34346.4130	35.5573	6.8811	13.426
L26	44.1808	76.5596	17021.0875	14.8920	21.6024	787.9272	34064.5719	38.2871	6.4723	11.256
	44.3788	78.8731	18611.1779	15.3420	22.2463	836.5966	37246.8448	39.4440	6.6954	11.644
L27	44.3807	77.1807	18222.3897	15.3464	22.2463	819.1201	36468.7570	38.5977	6.7174	11.942
	45.3708	78.9216	19483.4735	15.6926	22.7416	856.7314	38992.5838	39.4683	6.8890	12.247
L28	45.3708	78.9216	19483.4735	15.6926	22.7416	856.7314	38992.5838	39.4683	6.8890	12.247
	45.7174	79.5309	19938.2265	15.8138	22.9150	870.0948	39902.6882	39.7730	6.9491	12.354
L29	45.6923	102.1326	25417.9478	15.7561	22.9150	1109.2272	50869.3411	51.0760	6.6631	9.19
	45.7418	102.2448	25501.8024	15.7734	22.9398	1111.6851	51037.1608	51.1321	6.6716	9.202
L30	45.7418	102.2448	25501.8024	15.7734	22.9398	1111.6851	51037.1608	51.1321	6.6716	9.202
	46.3854	103.7032	26608.7507	15.9984	23.2617	1143.8847	53252.5139	51.8615	6.7832	9.356
L31	46.4143	77.2033	19974.4326	16.0649	23.2617	858.6817	39975.1482	38.6090	7.1132	13.234
	46.4638	77.2865	20039.0606	16.0822	23.2865	860.5438	40104.4892	38.6506	7.1218	13.25
L32	46.4638	77.2865	20039.0606	16.0822	23.2865	860.5438	40104.4892	38.6506	7.1218	13.25
	47.4539	78.9500	21361.0634	16.4284	23.7818	898.2088	42750.2343	39.4825	7.2934	13.569
L33	47.4559	77.1348	20881.2061	16.4328	23.7818	878.0313	41789.8883	38.5747	7.3154	13.934
	48.4460	78.7596	22228.7620	16.7790	24.2772	915.6236	44486.7732	39.3873	7.4870	14.261
L34	48.4460	78.7596	22228.7620	16.7790	24.2772	915.6236	44486.7732	39.3873	7.4870	14.261
	49.4361	80.3844	23633.0811	17.1251	24.7725	954.0039	47297.2593	40.1998	7.6586	14.588
L35	49.4361	80.3844	23633.0811	17.1251	24.7725	954.0039	47297.2593	40.1998	7.6586	14.588
	50.4262	82.0092	25095.3346	17.4713	25.2679	993.1722	50223.6904	41.0124	7.8302	14.915
L36	50.4262	82.0092	25095.3346	17.4713	25.2679	993.1722	50223.6904	41.0124	7.8302	14.915
	51.4163	83.6340	26616.6935	17.8174	25.7632	1033.1285	53268.4099	41.8250	8.0018	15.242
L37	51.4173	82.6487	26309.6544	17.8197	25.7632	1021.2108	52653.9278	41.3322	8.0128	15.446
	52.0114	83.6120	27240.3475	18.0273	26.0604	1045.2774	54516.5385	41.8139	8.1158	15.645

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 148.00-143.00				1	1	1			
L2 143.00-138.00				1	1	1			
L3 138.00-133.00				1	1	1			
L4 133.00-128.00				1	1	1			
L5 128.00-123.00				1	1	1			
L6 123.00-116.00				1	1	1			
L7 116.00-114.75				1	1	1			
L8 114.75-109.75				1	1	1			
L9 109.75-104.75				1	1	1			
L10				1	1	1			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
104.75-99.75									
L11				1	1	1			
99.75-94.75									
L12				1	1	1			
94.75-93.50									
L13				1	1	0.958094			
93.50-93.25									
L14				1	1	0.960809			
93.25-88.25									
L15				1	1	0.964226			
88.25-83.25									
L16				1	1	0.956693			
83.25-74.75									
L17				1	1	0.959261			
74.75-74.50									
L18				1	1	0.975776			
74.50-69.50									
L19				1	1	0.967801			
69.50-64.50									
L20				1	1	0.972867			
64.50-59.50									
L21				1	1	0.983226			
59.50-57.75									
L22				1	1	0.962397			
57.75-57.50									
L23				1	1	0.953698			
57.50-52.50									
L24				1	1	0.968174			
52.50-47.50									
L25				1	1	0.964075			
47.50-39.50									
L26				1	1	0.964244			
39.50-38.50									
L27				1	1	0.978356			
38.50-33.50									
L28				1	1	0.975968			
33.50-31.75									
L29				1	1	0.992017			
31.75-31.50									
L30				1	1	0.98534			
31.50-28.25									
L31				1	1	1.11262			
28.25-28.00									
L32				1	1	1.10388			
28.00-23.00									
L33				1	1	1.12128			
23.00-18.00									
L34				1	1	1.11305			
18.00-13.00									
L35 13.00-8.00				1	1	1.10515			
L36 8.00-3.00				1	1	1.09756			
L37 3.00-0.00				1	1	1.10618			

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
***										
LDF4-50A(1/2")	C	No	Surface Ar (CaAa)	50.00 - 0.00	1	1	0.000 0.000	0.6300		0.15
***										
Safety Line 3/8	A	No	Surface Ar (CaAa)	148.00 - 0.00	1	1	-0.250 -0.250	0.3750		0.22
MOD										
(Area) CCI-65FP-085125 (H)	A	No	Surface Af (CaAa)	35.50 - 0.00	1	1	-0.250 -0.250	8.5000	19.5000	0.00
(Area) CCI-65FP-085125 (H)	A	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.500 0.500	8.5000	19.5000	0.00
(Area) CCI-65FP-085125 (H)	B	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.250 0.250	8.5000	19.5000	0.00
***										
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	60.50 - 25.50	1	1	-0.250 -0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	60.50 - 25.50	1	1	-0.250 -0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	60.50 - 35.50	1	1	-0.250 -0.250	6.5000	15.5000	0.00
***										
(Area) CCI-65FP-060100 (H)	A	No	Surface Af (CaAa)	95.50 - 60.50	1	1	-0.250 -0.250	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	B	No	Surface Af (CaAa)	95.50 - 60.50	1	1	-0.250 -0.250	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	C	No	Surface Af (CaAa)	95.50 - 60.50	1	1	-0.250 -0.250	6.0000	14.0000	0.00
***										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#		C_AA_A ft^2/ft	Weight plf
LDF5-50A(7/8")	B	No	No	Inside Pole	148.00 - 0.00	0.0000	0	1	No Ice	0.00	0.33
									1/2" Ice	0.00	0.33
									1" Ice	0.00	0.33
									2" Ice	0.00	0.33
LDF7-50A(1-5/8")	B	No	No	Inside Pole	148.00 - 0.00	0.0000	0	1	No Ice	0.00	0.82
									1/2" Ice	0.00	0.82
									1" Ice	0.00	0.82
									2" Ice	0.00	0.82
***											
2" Flexible Conduit	B	No	No	Inside Pole	148.00 - 0.00	0.0000	0	2	No Ice	0.00	0.34
									1/2" Ice	0.00	0.34
									1" Ice	0.00	0.34
									2" Ice	0.00	0.34
LDF7-50A(1-5/8")	B	No	No	Inside Pole	148.00 - 0.00	0.0000	0	6	No Ice	0.00	0.82
									1/2" Ice	0.00	0.82
									1" Ice	0.00	0.82
									2" Ice	0.00	0.82
FB-L98B-002-7500 0(3/8)	B	No	No	Inside Pole	148.00 - 0.00	0.0000	0	1	No Ice	0.00	0.06
									1/2" Ice	0.00	0.06
									1" Ice	0.00	0.06
									2" Ice	0.00	0.06
WR-VG86ST-BRD(	B	No	No	Inside Pole	148.00 - 0.00	0.0000	0	2	No Ice	0.00	0.58

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#		C_AA_A ft^2/ft	Weight plf
3/4)									1/2" Ice	0.00	0.58
									1" Ice	0.00	0.58
									2" Ice	0.00	0.58
***											
MLE Hybrid 9Power/18Fiber RL 2(1-5/8")	A	No	No	Inside Pole	139.00 - 0.00	0.0000	0	13	No Ice	0.00	1.07
									1/2" Ice	0.00	1.07
									1" Ice	0.00	1.07
									2" Ice	0.00	1.07
***											
HJ7-50A(1-5/8")	C	No	No	Inside Pole	126.00 - 0.00	0.0000	0	7	No Ice	0.00	1.04
									1/2" Ice	0.00	1.04
									1" Ice	0.00	1.04
									2" Ice	0.00	1.04
***											
LDF5-50A(7/8")	A	No	No	Inside Pole	109.00 - 0.00	0.0000	0	5	No Ice	0.00	0.33
									1/2" Ice	0.00	0.33
									1" Ice	0.00	0.33
									2" Ice	0.00	0.33
ATCB-B01-006(5/16")	A	No	No	Inside Pole	109.00 - 0.00	0.0000	0	3	No Ice	0.00	0.07
									1/2" Ice	0.00	0.07
									1" Ice	0.00	0.07
									2" Ice	0.00	0.07
MLE Hybrid 3Power/6Fiber RL 2(1-1/4")	A	No	No	Inside Pole	109.00 - 0.00	0.0000	0	3	No Ice	0.00	0.68
									1/2" Ice	0.00	0.68
									1" Ice	0.00	0.68
									2" Ice	0.00	0.68
HB058-M12-XXXF (5/8")	A	No	No	Inside Pole	109.00 - 0.00	0.0000	0	1	No Ice	0.00	0.24
									1/2" Ice	0.00	0.24
									1" Ice	0.00	0.24
									2" Ice	0.00	0.24
***											
EU 90-FR(ELLIPTICAL)	B	No	No	Inside Pole	80.00 - 0.00	0.0000	0	1	No Ice	0.00	0.34
									1/2" Ice	0.00	0.34
									1" Ice	0.00	0.34
									2" Ice	0.00	0.34
LDF4-50A(1/2)	B	No	No	Inside Pole	80.00 - 0.00	0.0000	0	1	No Ice	0.00	0.15
									1/2" Ice	0.00	0.15
									1" Ice	0.00	0.15
									2" Ice	0.00	0.15
***											
LDF5-50A(7/8")	A	No	No	Inside Pole	79.00 - 0.00	0.0000	0	2	No Ice	0.00	0.33
									1/2" Ice	0.00	0.33
									1" Ice	0.00	0.33
									2" Ice	0.00	0.33
**											
LDF2-50(3/8")	A	No	No	Inside Pole	74.00 - 0.00	0.0000	0	1	No Ice	0.00	0.08
									1/2" Ice	0.00	0.08
									1" Ice	0.00	0.08
									2" Ice	0.00	0.08
***											
3/8-in Detuner Wire	A	No	No	CaAa (Out Of Face)	147.00 - 15.00	36.0000	0	1	No Ice	0.02	0.10
									1/2" Ice	0.12	0.52
									1" Ice	0.22	1.55
									2" Ice	0.42	5.44
3/8-in Detuner Wire	B	No	No	CaAa (Out Of Face)	147.00 - 15.00	36.0000	0	1	No Ice	0.02	0.10
									1/2" Ice	0.12	0.52
									1" Ice	0.22	1.55
									2" Ice	0.42	5.44
3/8-in Detuner Wire	C	No	No	CaAa (Out Of Face)	147.00 - 15.00	36.0000	0	1	No Ice	0.02	0.10
									1/2" Ice	0.12	0.52

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#		C_AA_A ft^2/ft	Weight plf
									1" Ice	0.22	1.55
									2" Ice	0.42	5.44
***											

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 lb
L1	148.00-143.00	A	0.000	0.000	0.188	0.075	1
		B	0.000	0.000	0.000	0.075	40
		C	0.000	0.000	0.000	0.075	0
L2	143.00-138.00	A	0.000	0.000	0.188	0.094	15
		B	0.000	0.000	0.000	0.094	40
		C	0.000	0.000	0.000	0.094	0
L3	138.00-133.00	A	0.000	0.000	0.188	0.094	71
		B	0.000	0.000	0.000	0.094	40
		C	0.000	0.000	0.000	0.094	0
L4	133.00-128.00	A	0.000	0.000	0.188	0.094	71
		B	0.000	0.000	0.000	0.094	40
		C	0.000	0.000	0.000	0.094	0
L5	128.00-123.00	A	0.000	0.000	0.188	0.094	71
		B	0.000	0.000	0.000	0.094	40
		C	0.000	0.000	0.000	0.094	22
L6	123.00-116.00	A	0.000	0.000	0.263	0.131	100
		B	0.000	0.000	0.000	0.131	57
		C	0.000	0.000	0.000	0.131	52
L7	116.00-114.75	A	0.000	0.000	0.047	0.023	18
		B	0.000	0.000	0.000	0.023	10
		C	0.000	0.000	0.000	0.023	9
L8	114.75-109.75	A	0.000	0.000	0.188	0.094	71
		B	0.000	0.000	0.000	0.094	40
		C	0.000	0.000	0.000	0.094	37
L9	109.75-104.75	A	0.000	0.000	0.188	0.094	89
		B	0.000	0.000	0.000	0.094	40
		C	0.000	0.000	0.000	0.094	37
L10	104.75-99.75	A	0.000	0.000	0.188	0.094	92
		B	0.000	0.000	0.000	0.094	40
		C	0.000	0.000	0.000	0.094	37
L11	99.75-94.75	A	0.000	0.000	0.938	0.094	92
		B	0.000	0.000	0.750	0.094	40
		C	0.000	0.000	0.750	0.094	37
L12	94.75-93.50	A	0.000	0.000	1.297	0.023	23
		B	0.000	0.000	1.250	0.023	10
		C	0.000	0.000	1.250	0.023	9
L13	93.50-93.25	A	0.000	0.000	0.259	0.005	5
		B	0.000	0.000	0.250	0.005	2
		C	0.000	0.000	0.250	0.005	2
L14	93.25-88.25	A	0.000	0.000	5.188	0.094	92
		B	0.000	0.000	5.000	0.094	40
		C	0.000	0.000	5.000	0.094	37
L15	88.25-83.25	A	0.000	0.000	5.188	0.094	92
		B	0.000	0.000	5.000	0.094	40
		C	0.000	0.000	5.000	0.094	37
L16	83.25-74.75	A	0.000	0.000	8.819	0.159	159
		B	0.000	0.000	8.500	0.159	71
		C	0.000	0.000	8.500	0.159	63

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 lb
L17	74.75-74.50	A	0.000	0.000	0.259	0.005	5
		B	0.000	0.000	0.250	0.005	2
		C	0.000	0.000	0.250	0.005	2
L18	74.50-69.50	A	0.000	0.000	5.188	0.094	95
		B	0.000	0.000	5.000	0.094	43
		C	0.000	0.000	5.000	0.094	37
L19	69.50-64.50	A	0.000	0.000	5.188	0.094	96
		B	0.000	0.000	5.000	0.094	43
		C	0.000	0.000	5.000	0.094	37
L20	64.50-59.50	A	0.000	0.000	5.271	0.094	96
		B	0.000	0.000	5.083	0.094	43
		C	0.000	0.000	5.083	0.094	37
L21	59.50-57.75	A	0.000	0.000	1.961	0.033	33
		B	0.000	0.000	1.896	0.033	15
		C	0.000	0.000	1.896	0.033	13
L22	57.75-57.50	A	0.000	0.000	0.280	0.005	5
		B	0.000	0.000	0.271	0.005	2
		C	0.000	0.000	0.271	0.005	2
L23	57.50-52.50	A	0.000	0.000	5.604	0.094	96
		B	0.000	0.000	5.417	0.094	43
		C	0.000	0.000	5.417	0.094	37
L24	52.50-47.50	A	0.000	0.000	5.604	0.094	96
		B	0.000	0.000	5.417	0.094	43
		C	0.000	0.000	5.574	0.094	37
L25	47.50-39.50	A	0.000	0.000	8.967	0.150	153
		B	0.000	0.000	8.667	0.150	68
		C	0.000	0.000	9.171	0.150	60
L26	39.50-38.50	A	0.000	0.000	1.121	0.019	19
		B	0.000	0.000	1.083	0.019	9
		C	0.000	0.000	1.146	0.019	8
L27	38.50-33.50	A	0.000	0.000	9.104	0.094	96
		B	0.000	0.000	8.250	0.094	43
		C	0.000	0.000	5.732	0.094	38
L28	33.50-31.75	A	0.000	0.000	5.024	0.033	33
		B	0.000	0.000	4.375	0.033	15
		C	0.000	0.000	2.006	0.033	13
L29	31.75-31.50	A	0.000	0.000	0.718	0.005	5
		B	0.000	0.000	0.625	0.005	2
		C	0.000	0.000	0.287	0.005	2
L30	31.50-28.25	A	0.000	0.000	9.330	0.061	62
		B	0.000	0.000	8.125	0.061	28
		C	0.000	0.000	3.726	0.061	24
L31	28.25-28.00	A	0.000	0.000	0.718	0.005	5
		B	0.000	0.000	0.625	0.005	2
		C	0.000	0.000	0.287	0.005	2
L32	28.00-23.00	A	0.000	0.000	14.354	0.094	96
		B	0.000	0.000	9.792	0.094	43
		C	0.000	0.000	3.023	0.094	38
L33	23.00-18.00	A	0.000	0.000	14.354	0.094	96
		B	0.000	0.000	7.083	0.094	43
		C	0.000	0.000	0.315	0.094	38
L34	18.00-13.00	A	0.000	0.000	14.354	0.056	95
		B	0.000	0.000	7.083	0.056	43
		C	0.000	0.000	0.315	0.056	37
L35	13.00-8.00	A	0.000	0.000	14.354	0.000	95
		B	0.000	0.000	7.083	0.000	42
		C	0.000	0.000	0.315	0.000	37
L36	8.00-3.00	A	0.000	0.000	14.354	0.000	95
		B	0.000	0.000	7.083	0.000	42
		C	0.000	0.000	0.315	0.000	37
L37	3.00-0.00	A	0.000	0.000	8.613	0.000	57

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 lb
		B	0.000	0.000	4.250	0.000	25
		C	0.000	0.000	0.189	0.000	22

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 lb
L1	148.00-143.00	A	1.972	0.000	0.000	2.159	1.653	51
		B		0.000	0.000	0.000	1.653	61
		C		0.000	0.000	0.000	1.653	21
L2	143.00-138.00	A	1.965	0.000	0.000	2.152	2.059	70
		B		0.000	0.000	0.000	2.059	66
		C		0.000	0.000	0.000	2.059	27
L3	138.00-133.00	A	1.958	0.000	0.000	2.145	2.052	125
		B		0.000	0.000	0.000	2.052	66
		C		0.000	0.000	0.000	2.052	26
L4	133.00-128.00	A	1.951	0.000	0.000	2.138	2.044	125
		B		0.000	0.000	0.000	2.044	66
		C		0.000	0.000	0.000	2.044	26
L5	128.00-123.00	A	1.943	0.000	0.000	2.130	2.037	124
		B		0.000	0.000	0.000	2.037	66
		C		0.000	0.000	0.000	2.037	48
L6	123.00-116.00	A	1.933	0.000	0.000	2.969	2.838	173
		B		0.000	0.000	0.000	2.838	92
		C		0.000	0.000	0.000	2.838	87
L7	116.00-114.75	A	1.927	0.000	0.000	0.530	0.507	31
		B		0.000	0.000	0.000	0.507	16
		C		0.000	0.000	0.000	0.507	16
L8	114.75-109.75	A	1.921	0.000	0.000	2.109	2.015	123
		B		0.000	0.000	0.000	2.015	66
		C		0.000	0.000	0.000	2.015	62
L9	109.75-104.75	A	1.913	0.000	0.000	2.100	2.006	140
		B		0.000	0.000	0.000	2.006	65
		C		0.000	0.000	0.000	2.006	62
L10	104.75-99.75	A	1.904	0.000	0.000	2.091	1.997	143
		B		0.000	0.000	0.000	1.997	65
		C		0.000	0.000	0.000	1.997	62
L11	99.75-94.75	A	1.894	0.000	0.000	3.116	1.988	154
		B		0.000	0.000	1.034	1.988	77
		C		0.000	0.000	1.034	1.988	73
L12	94.75-93.50	A	1.888	0.000	0.000	2.241	0.495	55
		B		0.000	0.000	1.722	0.495	36
		C		0.000	0.000	1.722	0.495	35
L13	93.50-93.25	A	1.886	0.000	0.000	0.448	0.099	11
		B		0.000	0.000	0.344	0.099	7
		C		0.000	0.000	0.344	0.099	7
L14	93.25-88.25	A	1.881	0.000	0.000	8.949	1.975	219
		B		0.000	0.000	6.881	1.975	142
		C		0.000	0.000	6.881	1.975	139
L15	88.25-83.25	A	1.870	0.000	0.000	8.928	1.964	218
		B		0.000	0.000	6.870	1.964	141
		C		0.000	0.000	6.870	1.964	138
L16	83.25-74.75	A	1.855	0.000	0.000	15.126	3.313	371
		B		0.000	0.000	11.653	3.313	241
		C		0.000	0.000	11.653	3.313	232
L17	74.75-74.50	A	1.845	0.000	0.000	0.445	0.097	11
		B		0.000	0.000	0.343	0.097	7

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 lb
		C		0.000	0.000	0.343	0.097	7
L18	74.50-69.50	A	1.838	0.000	0.000	8.863	1.932	219
		B		0.000	0.000	6.838	1.932	141
		C		0.000	0.000	6.838	1.932	135
L19	69.50-64.50	A	1.825	0.000	0.000	8.837	1.918	218
		B		0.000	0.000	6.825	1.918	140
		C		0.000	0.000	6.825	1.918	134
L20	64.50-59.50	A	1.811	0.000	0.000	8.892	1.904	217
		B		0.000	0.000	6.894	1.904	140
		C		0.000	0.000	6.894	1.904	134
L21	59.50-57.75	A	1.801	0.000	0.000	3.222	0.663	77
		B		0.000	0.000	2.526	0.663	50
		C		0.000	0.000	2.526	0.663	48
L22	57.75-57.50	A	1.797	0.000	0.000	0.460	0.095	11
		B		0.000	0.000	0.361	0.095	7
		C		0.000	0.000	0.361	0.095	7
L23	57.50-52.50	A	1.789	0.000	0.000	9.182	1.883	219
		B		0.000	0.000	7.206	1.883	143
		C		0.000	0.000	7.206	1.883	137
L24	52.50-47.50	A	1.772	0.000	0.000	9.148	1.866	218
		B		0.000	0.000	7.189	1.866	142
		C		0.000	0.000	8.232	1.866	149
L25	47.50-39.50	A	1.748	0.000	0.000	14.559	2.946	344
		B		0.000	0.000	11.463	2.946	224
		C		0.000	0.000	14.763	2.946	256
L26	39.50-38.50	A	1.729	0.000	0.000	1.820	0.368	43
		B		0.000	0.000	1.433	0.368	28
		C		0.000	0.000	1.845	0.368	32
L27	38.50-33.50	A	1.715	0.000	0.000	13.220	1.809	252
		B		0.000	0.000	10.651	1.809	172
		C		0.000	0.000	9.161	1.809	157
L28	33.50-31.75	A	1.698	0.000	0.000	6.807	0.627	108
		B		0.000	0.000	5.564	0.627	78
		C		0.000	0.000	3.195	0.627	54
L29	31.75-31.50	A	1.693	0.000	0.000	0.972	0.089	15
		B		0.000	0.000	0.794	0.089	11
		C		0.000	0.000	0.456	0.089	8
L30	31.50-28.25	A	1.683	0.000	0.000	12.612	1.155	199
		B		0.000	0.000	10.313	1.155	143
		C		0.000	0.000	5.914	1.155	100
L31	28.25-28.00	A	1.673	0.000	0.000	0.969	0.088	15
		B		0.000	0.000	0.792	0.088	11
		C		0.000	0.000	0.454	0.088	8
L32	28.00-23.00	A	1.657	0.000	0.000	19.324	1.750	302
		B		0.000	0.000	12.277	1.750	181
		C		0.000	0.000	5.508	1.750	116
L33	23.00-18.00	A	1.621	0.000	0.000	19.217	1.715	296
		B		0.000	0.000	8.704	1.715	143
		C		0.000	0.000	1.936	1.715	79
L34	18.00-13.00	A	1.576	0.000	0.000	19.083	1.002	281
		B		0.000	0.000	8.660	1.002	132
		C		0.000	0.000	1.891	1.002	70
L35	13.00-8.00	A	1.516	0.000	0.000	18.902	0.000	261
		B		0.000	0.000	8.599	0.000	117
		C		0.000	0.000	1.831	0.000	57
L36	8.00-3.00	A	1.421	0.000	0.000	18.617	0.000	248
		B		0.000	0.000	8.504	0.000	111
		C		0.000	0.000	1.736	0.000	55
L37	3.00-0.00	A	1.248	0.000	0.000	10.858	0.000	135
		B		0.000	0.000	4.999	0.000	61
		C		0.000	0.000	0.938	0.000	31

Feed Line Center of Pressure

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L1	148.00-143.00	-0.2926	0.0000	-1.2483	0.0000
L2	143.00-138.00	-0.2910	0.0000	-1.1984	0.0000
L3	138.00-133.00	-0.2915	0.0000	-1.2154	0.0000
L4	133.00-128.00	-0.2919	0.0000	-1.2315	0.0000
L5	128.00-123.00	-0.2923	0.0000	-1.2465	0.0000
L6	123.00-116.00	-0.2927	0.0000	-1.2633	0.0000
L7	116.00-114.75	-0.2929	0.0000	-1.2695	0.0000
L8	114.75-109.75	-0.2931	0.0000	-1.2752	0.0000
L9	109.75-104.75	-0.2934	0.0000	-1.2872	0.0000
L10	104.75-99.75	-0.2937	0.0000	-1.2984	0.0000
L11	99.75-94.75	-0.2432	0.0000	-1.1734	0.0000
L12	94.75-93.50	-0.1243	0.0000	-0.7470	0.0000
L13	93.50-93.25	-0.1246	0.0000	-0.7488	0.0000
L14	93.25-88.25	-0.1257	0.0000	-0.7545	0.0000
L15	88.25-83.25	-0.1277	0.0000	-0.7650	0.0000
L16	83.25-74.75	-0.1304	0.0000	-0.7782	0.0000
L17	74.75-74.50	-0.1311	0.0000	-0.7828	0.0000
L18	74.50-69.50	-0.1321	0.0000	-0.7848	0.0000
L19	69.50-64.50	-0.1340	0.0000	-0.7933	0.0000
L20	64.50-59.50	-0.1346	0.0000	-0.7972	0.0000
L21	59.50-57.75	-0.1312	0.0000	-0.7866	0.0000
L22	57.75-57.50	-0.1316	0.0000	-0.7880	0.0000
L23	57.50-52.50	-0.1325	0.0000	-0.7915	0.0000
L24	52.50-47.50	-0.1335	0.1135	-0.7820	0.4213
L25	47.50-39.50	-0.1350	0.2281	-0.7739	0.8297
L26	39.50-38.50	-0.1354	0.2289	-0.7766	0.8326
L27	38.50-33.50	2.9337	-0.5090	1.6181	0.1852
L28	33.50-31.75	5.9931	-1.2436	4.2910	-0.5322
L29	31.75-31.50	6.0120	-1.2472	4.3061	-0.5348
L30	31.50-28.25	6.0433	-1.2531	4.3313	-0.5393
L31	28.25-28.00	6.0733	-1.2588	4.3557	-0.5438
L32	28.00-23.00	5.3624	-0.6765	3.6015	0.0012
L33	23.00-18.00	4.4529	0.0853	2.6858	0.6759
L34	18.00-13.00	4.5214	0.0890	2.8307	0.6958
L35	13.00-8.00	4.5962	0.0928	3.0369	0.7219
L36	8.00-3.00	4.6493	0.0962	3.1016	0.6966
L37	3.00-0.00	4.6911	0.0989	3.1872	0.6378

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	33	Safety Line 3/8	143.00 - 148.00	1.0000	1.0000
L2	33	Safety Line 3/8	138.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			143.00		
L3	33	Safety Line 3/8	133.00 - 138.00	1.0000	1.0000
L4	33	Safety Line 3/8	128.00 - 133.00	1.0000	1.0000
L5	33	Safety Line 3/8	123.00 - 128.00	1.0000	1.0000
L6	33	Safety Line 3/8	116.00 - 123.00	1.0000	1.0000
L8	33	Safety Line 3/8	109.75 - 114.75	1.0000	1.0000
L9	33	Safety Line 3/8	104.75 - 109.75	1.0000	1.0000
L10	33	Safety Line 3/8	99.75 - 104.75	1.0000	1.0000
L11	33	Safety Line 3/8	94.75 - 99.75	1.0000	1.0000
L11	43	(Area) CCI-65FP-060100 (H)	94.75 - 95.50	1.0000	1.0000
L11	44	(Area) CCI-65FP-060100 (H)	94.75 - 95.50	1.0000	1.0000
L11	45	(Area) CCI-65FP-060100 (H)	94.75 - 95.50	1.0000	1.0000
L12	33	Safety Line 3/8	93.50 - 94.75	1.0000	1.0000
L12	43	(Area) CCI-65FP-060100 (H)	93.50 - 94.75	1.0000	1.0000
L12	44	(Area) CCI-65FP-060100 (H)	93.50 - 94.75	1.0000	1.0000
L12	45	(Area) CCI-65FP-060100 (H)	93.50 - 94.75	1.0000	1.0000
L13	33	Safety Line 3/8	93.25 - 93.50	1.0000	1.0000
L13	43	(Area) CCI-65FP-060100 (H)	93.25 - 93.50	1.0000	1.0000
L13	44	(Area) CCI-65FP-060100 (H)	93.25 - 93.50	1.0000	1.0000
L13	45	(Area) CCI-65FP-060100 (H)	93.25 - 93.50	1.0000	1.0000
L14	33	Safety Line 3/8	88.25 - 93.25	1.0000	1.0000
L14	43	(Area) CCI-65FP-060100 (H)	88.25 - 93.25	1.0000	1.0000
L14	44	(Area) CCI-65FP-060100 (H)	88.25 - 93.25	1.0000	1.0000
L14	45	(Area) CCI-65FP-060100 (H)	88.25 - 93.25	1.0000	1.0000
L15	33	Safety Line 3/8	83.25 - 88.25	1.0000	1.0000
L15	43	(Area) CCI-65FP-060100 (H)	83.25 - 88.25	1.0000	1.0000
L15	44	(Area) CCI-65FP-060100 (H)	83.25 - 88.25	1.0000	1.0000
L15	45	(Area) CCI-65FP-060100 (H)	83.25 - 88.25	1.0000	1.0000
L16	33	Safety Line 3/8	74.75 - 83.25	1.0000	1.0000
L16	43	(Area) CCI-65FP-060100 (H)	74.75 - 83.25	1.0000	1.0000
L16	44	(Area) CCI-65FP-060100 (H)	74.75 - 83.25	1.0000	1.0000
L16	45	(Area) CCI-65FP-060100 (H)	74.75 - 83.25	1.0000	1.0000
L18	33	Safety Line 3/8	69.50 - 74.50	1.0000	1.0000
L18	43	(Area) CCI-65FP-060100 (H)	69.50 - 74.50	1.0000	1.0000
L18	44	(Area) CCI-65FP-060100 (H)	69.50 - 74.50	1.0000	1.0000
L18	45	(Area) CCI-65FP-060100 (H)	69.50 - 74.50	1.0000	1.0000
L19	33	Safety Line 3/8	64.50 - 69.50	1.0000	1.0000
L19	43	(Area) CCI-65FP-060100 (H)	64.50 - 69.50	1.0000	1.0000
L19	44	(Area) CCI-65FP-060100 (H)	64.50 - 69.50	1.0000	1.0000
L19	45	(Area) CCI-65FP-060100 (H)	64.50 - 69.50	1.0000	1.0000
L20	33	Safety Line 3/8	59.50 - 64.50	1.0000	1.0000
L20	39	(Area) CCI-65FP-065125 (H)	59.50 - 60.50	1.0000	1.0000
L20	40	(Area) CCI-65FP-065125 (H)	59.50 - 60.50	1.0000	1.0000
L20	41	(Area) CCI-65FP-065125 (H)	59.50 - 60.50	1.0000	1.0000
L20	43	(Area) CCI-65FP-060100 (H)	60.50 - 64.50	1.0000	1.0000
L20	44	(Area) CCI-65FP-060100 (H)	60.50 - 64.50	1.0000	1.0000
L20	45	(Area) CCI-65FP-060100 (H)	60.50 - 64.50	1.0000	1.0000
L21	33	Safety Line 3/8	57.75 - 59.50	1.0000	1.0000
L21	39	(Area) CCI-65FP-065125 (H)	57.75 - 59.50	1.0000	1.0000
L21	40	(Area) CCI-65FP-065125 (H)	57.75 - 59.50	1.0000	1.0000
L21	41	(Area) CCI-65FP-065125 (H)	57.75 - 59.50	1.0000	1.0000
L22	33	Safety Line 3/8	57.50 - 57.75	1.0000	1.0000
L22	39	(Area) CCI-65FP-065125 (H)	57.50 - 57.75	1.0000	1.0000
L22	40	(Area) CCI-65FP-065125 (H)	57.50 - 57.75	1.0000	1.0000
L22	41	(Area) CCI-65FP-065125 (H)	57.50 - 57.75	1.0000	1.0000
L23	33	Safety Line 3/8	52.50 - 57.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L23	39	(Area) CCI-65FP-065125 (H)	52.50 - 57.50	1.0000	1.0000
L23	40	(Area) CCI-65FP-065125 (H)	52.50 - 57.50	1.0000	1.0000
L23	41	(Area) CCI-65FP-065125 (H)	52.50 - 57.50	1.0000	1.0000
L24	27	LDF4-50A(1/2")	47.50 - 50.00	1.0000	1.0000
L24	33	Safety Line 3/8	47.50 - 52.50	1.0000	1.0000
L24	39	(Area) CCI-65FP-065125 (H)	47.50 - 52.50	1.0000	1.0000
L24	40	(Area) CCI-65FP-065125 (H)	47.50 - 52.50	1.0000	1.0000
L24	41	(Area) CCI-65FP-065125 (H)	47.50 - 52.50	1.0000	1.0000
L25	27	LDF4-50A(1/2")	39.50 - 47.50	1.0000	1.0000
L25	33	Safety Line 3/8	39.50 - 47.50	1.0000	1.0000
L25	39	(Area) CCI-65FP-065125 (H)	39.50 - 47.50	1.0000	1.0000
L25	40	(Area) CCI-65FP-065125 (H)	39.50 - 47.50	1.0000	1.0000
L25	41	(Area) CCI-65FP-065125 (H)	39.50 - 47.50	1.0000	1.0000
L27	27	LDF4-50A(1/2")	33.50 - 38.50	1.0000	1.0000
L27	33	Safety Line 3/8	33.50 - 38.50	1.0000	1.0000
L27	35	(Area) CCI-65FP-085125 (H)	33.50 - 35.50	1.0000	1.0000
L27	36	(Area) CCI-65FP-085125 (H)	33.50 - 35.50	1.0000	1.0000
L27	37	(Area) CCI-65FP-085125 (H)	33.50 - 35.50	1.0000	1.0000
L27	39	(Area) CCI-65FP-065125 (H)	33.50 - 38.50	1.0000	1.0000
L27	40	(Area) CCI-65FP-065125 (H)	33.50 - 38.50	1.0000	1.0000
L27	41	(Area) CCI-65FP-065125 (H)	35.50 - 38.50	1.0000	1.0000
L28	27	LDF4-50A(1/2")	31.75 - 33.50	1.0000	1.0000
L28	33	Safety Line 3/8	31.75 - 33.50	1.0000	1.0000
L28	35	(Area) CCI-65FP-085125 (H)	31.75 - 33.50	1.0000	1.0000
L28	36	(Area) CCI-65FP-085125 (H)	31.75 - 33.50	1.0000	1.0000
L28	37	(Area) CCI-65FP-085125 (H)	31.75 - 33.50	1.0000	1.0000
L28	39	(Area) CCI-65FP-065125 (H)	31.75 - 33.50	1.0000	1.0000
L28	40	(Area) CCI-65FP-065125 (H)	31.75 - 33.50	1.0000	1.0000
L29	27	LDF4-50A(1/2")	31.50 - 31.75	1.0000	1.0000
L29	33	Safety Line 3/8	31.50 - 31.75	1.0000	1.0000
L29	35	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	1.0000	1.0000
L29	36	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	1.0000	1.0000
L29	37	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	1.0000	1.0000
L29	39	(Area) CCI-65FP-065125 (H)	31.50 - 31.75	1.0000	1.0000
L29	40	(Area) CCI-65FP-065125 (H)	31.50 - 31.75	1.0000	1.0000
L30	27	LDF4-50A(1/2")	28.25 - 31.50	1.0000	1.0000
L30	33	Safety Line 3/8	28.25 - 31.50	1.0000	1.0000
L30	35	(Area) CCI-65FP-085125 (H)	28.25 - 31.50	1.0000	1.0000
L30	36	(Area) CCI-65FP-085125 (H)	28.25 - 31.50	1.0000	1.0000
L30	37	(Area) CCI-65FP-085125 (H)	28.25 - 31.50	1.0000	1.0000
L30	39	(Area) CCI-65FP-065125 (H)	28.25 - 31.50	1.0000	1.0000
L30	40	(Area) CCI-65FP-065125 (H)	28.25 - 31.50	1.0000	1.0000
L31	27	LDF4-50A(1/2")	28.00 - 28.25	1.0000	1.0000
L31	33	Safety Line 3/8	28.00 - 28.25	1.0000	1.0000
L31	35	(Area) CCI-65FP-085125 (H)	28.00 - 28.25	1.0000	1.0000
L31	36	(Area) CCI-65FP-085125 (H)	28.00 - 28.25	1.0000	1.0000
L31	37	(Area) CCI-65FP-085125 (H)	28.00 - 28.25	1.0000	1.0000
L31	39	(Area) CCI-65FP-065125 (H)	28.00 - 28.25	1.0000	1.0000
L31	40	(Area) CCI-65FP-065125 (H)	28.00 - 28.25	1.0000	1.0000
L32	27	LDF4-50A(1/2")	23.00 - 28.00	1.0000	1.0000
L32	33	Safety Line 3/8	23.00 - 28.00	1.0000	1.0000
L32	35	(Area) CCI-65FP-085125 (H)	23.00 - 28.00	1.0000	1.0000
L32	36	(Area) CCI-65FP-085125 (H)	23.00 - 28.00	1.0000	1.0000
L32	37	(Area) CCI-65FP-085125 (H)	23.00 - 28.00	1.0000	1.0000
L32	39	(Area) CCI-65FP-065125 (H)	25.50 - 28.00	1.0000	1.0000
L32	40	(Area) CCI-65FP-065125 (H)	25.50 - 28.00	1.0000	1.0000
L33	27	LDF4-50A(1/2")	18.00 - 23.00	1.0000	1.0000
L33	33	Safety Line 3/8	18.00 - 23.00	1.0000	1.0000
L33	35	(Area) CCI-65FP-085125 (H)	18.00 - 23.00	1.0000	1.0000
L33	36	(Area) CCI-65FP-085125 (H)	18.00 - 23.00	1.0000	1.0000
L33	37	(Area) CCI-65FP-085125 (H)	18.00 - 23.00	1.0000	1.0000
L34	27	LDF4-50A(1/2")	13.00 - 18.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L34	33	Safety Line 3/8	13.00 - 18.00	1.0000	1.0000
L34	35	(Area) CCI-65FP-085125 (H)	13.00 - 18.00	1.0000	1.0000
L34	36	(Area) CCI-65FP-085125 (H)	13.00 - 18.00	1.0000	1.0000
L34	37	(Area) CCI-65FP-085125 (H)	13.00 - 18.00	1.0000	1.0000
L35	27	LDF4-50A(1/2")	8.00 - 13.00	1.0000	1.0000
L35	33	Safety Line 3/8	8.00 - 13.00	1.0000	1.0000
L35	35	(Area) CCI-65FP-085125 (H)	8.00 - 13.00	1.0000	1.0000
L35	36	(Area) CCI-65FP-085125 (H)	8.00 - 13.00	1.0000	1.0000
L35	37	(Area) CCI-65FP-085125 (H)	8.00 - 13.00	1.0000	1.0000
L36	27	LDF4-50A(1/2")	3.00 - 8.00	1.0000	1.0000
L36	33	Safety Line 3/8	3.00 - 8.00	1.0000	1.0000
L36	35	(Area) CCI-65FP-085125 (H)	3.00 - 8.00	1.0000	1.0000
L36	36	(Area) CCI-65FP-085125 (H)	3.00 - 8.00	1.0000	1.0000
L36	37	(Area) CCI-65FP-085125 (H)	3.00 - 8.00	1.0000	1.0000
L37	27	LDF4-50A(1/2")	0.00 - 3.00	1.0000	1.0000
L37	33	Safety Line 3/8	0.00 - 3.00	1.0000	1.0000
L37	35	(Area) CCI-65FP-085125 (H)	0.00 - 3.00	1.0000	1.0000
L37	36	(Area) CCI-65FP-085125 (H)	0.00 - 3.00	1.0000	1.0000
L37	37	(Area) CCI-65FP-085125 (H)	0.00 - 3.00	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
148									
800 10121 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 -2.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.60 4.00 4.42 5.29	2.95 3.34 3.74 4.59	72 115 166 297
800 10121 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 -2.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.60 4.00 4.42 5.29	2.95 3.34 3.74 4.59	72 115 166 297
800 10121 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 -2.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.60 4.00 4.42 5.29	2.95 3.34 3.74 4.59	72 115 166 297
QS66512-2 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 -2.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.04 4.42 4.82 5.63	4.18 4.57 4.97 5.79	137 206 287 482
QS86512-2 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 -2.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.42 5.92 6.43 7.48	5.62 6.12 6.63 7.69	173 264 368 619
QS66512-2 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 -2.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.04 4.42 4.82 5.63	4.18 4.57 4.97 5.79	137 206 287 482
PD320-2	B	From	4.00	0.0000	148.00	No Ice	2.03	2.03	15

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
		Centroid-Face	0.00	4.00			1/2" Ice	4.58	4.58	34
							1" Ice	7.13	7.13	53
							2" Ice	12.23	12.23	91
DC6-48-60-18-8F	B	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	1.21	1.21	33
				-2.00			1/2" Ice	1.89	1.89	55
							1" Ice	2.11	2.11	80
							2" Ice	2.57	2.57	138
RRUS12/RRUS A2	A	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	3.14	1.84	72
				-2.00			1/2" Ice	3.36	2.01	99
							1" Ice	3.59	2.20	130
							2" Ice	4.07	2.59	203
RRUS12/RRUS A2	B	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	3.14	1.84	72
				-2.00			1/2" Ice	3.36	2.01	99
							1" Ice	3.59	2.20	130
							2" Ice	4.07	2.59	203
RRUS12/RRUS A2	C	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	3.14	1.84	72
				-2.00			1/2" Ice	3.36	2.01	99
							1" Ice	3.59	2.20	130
							2" Ice	4.07	2.59	203
RRUS 11	A	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	2.79	1.19	51
				-2.00			1/2" Ice	3.00	1.34	72
							1" Ice	3.21	1.50	95
							2" Ice	3.67	1.84	153
RRUS 11	B	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	2.79	1.19	51
				-2.00			1/2" Ice	3.00	1.34	72
							1" Ice	3.21	1.50	95
							2" Ice	3.67	1.84	153
RRUS 11	C	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	2.79	1.19	51
				-2.00			1/2" Ice	3.00	1.34	72
							1" Ice	3.21	1.50	95
							2" Ice	3.67	1.84	153
DTMABP7819VG12A	A	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	0.98	0.34	19
				-2.00			1/2" Ice	1.10	0.42	26
							1" Ice	1.23	0.51	36
							2" Ice	1.52	0.71	60
DTMABP7819VG12A	B	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	0.98	0.34	19
				-2.00			1/2" Ice	1.10	0.42	26
							1" Ice	1.23	0.51	36
							2" Ice	1.52	0.71	60
DTMABP7819VG12A	C	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	0.98	0.34	19
				-2.00			1/2" Ice	1.10	0.42	26
							1" Ice	1.23	0.51	36
							2" Ice	1.52	0.71	60
(2) 2.4" Dia. x 6-ft	A	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	1.43	1.43	22
				-2.00			1/2" Ice	1.92	1.92	33
							1" Ice	2.29	2.29	48
							2" Ice	3.06	3.06	90
(2) 2.4" Dia. x 6-ft	B	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	1.43	1.43	22
				-2.00			1/2" Ice	1.92	1.92	33
							1" Ice	2.29	2.29	48
							2" Ice	3.06	3.06	90
(2) 2.4" Dia. x 6-ft	C	From Centroid-Face	4.00	0.00	0.0000	148.00	No Ice	1.43	1.43	22
				-2.00			1/2" Ice	1.92	1.92	33
							1" Ice	2.29	2.29	48
							2" Ice	3.06	3.06	90
Platform Mount [LP 1201-1_HR-1]	C	None			0.0000	148.00	No Ice	26.39	26.39	2356
							1/2" Ice	31.40	31.40	3061

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
							1" Ice	36.20	36.20	3864
							2" Ice	45.40	45.40	5764
139										
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.33 6.78 7.21 8.12	5.64 6.43 7.13 8.59	112 169 233 383
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.33 6.78 7.21 8.12	5.64 6.43 7.13 8.59	112 169 233 383
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.33 6.78 7.21 8.12	5.64 6.43 7.13 8.59	112 169 233 383
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.75 7.20 7.65 8.57	6.07 6.87 7.58 9.06	153 214 282 441
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.75 7.20 7.65 8.57	6.07 6.87 7.58 9.06	153 214 282 441
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.75 7.20 7.65 8.57	6.07 6.87 7.58 9.06	153 214 282 441
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	186 315 458 788
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	186 315 458 788
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	186 315 458 788
RADIO 4449 B12/B71	A	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	74 90 109 155
RADIO 4449 B12/B71	B	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	74 90 109 155
RADIO 4449 B12/B71	C	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	74 90 109 155
KRY 112 144/1	A	From Centroid-Face	4.00 0.00 0.00		0.0000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.16 0.22 0.28 0.44	11 14 18 32
KRY 112 144/1	B	From Centroid-Face	4.00 0.00		0.0000	139.00	No Ice 1/2" Ice	0.35 0.43	0.16 0.22	11 14

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
		ce	0.00				1" Ice	0.51	0.28	18
							2" Ice	0.70	0.44	32
KRY 112 144/1	C	From Centroid-Face	4.00	0.00	0.0000	139.00	No Ice	0.35	0.16	11
			0.00				1/2" Ice	0.43	0.22	14
			0.00				1" Ice	0.51	0.28	18
							2" Ice	0.70	0.44	32
(2) 2.4" Dia. x 4-ft	A	From Centroid-Face	4.00	0.00	0.0000	139.00	No Ice	0.87	0.87	15
			0.00				1/2" Ice	1.12	1.12	22
			0.00				1" Ice	1.37	1.37	32
							2" Ice	1.91	1.91	62
(2) 2.4" Dia. x 4-ft	B	From Centroid-Face	4.00	0.00	0.0000	139.00	No Ice	0.87	0.87	15
			0.00				1/2" Ice	1.12	1.12	22
			0.00				1" Ice	1.37	1.37	32
							2" Ice	1.91	1.91	62
(2) 2.4" Dia. x 4-ft	C	From Centroid-Face	4.00	0.00	0.0000	139.00	No Ice	0.87	0.87	15
			0.00				1/2" Ice	1.12	1.12	22
			0.00				1" Ice	1.37	1.37	32
							2" Ice	1.91	1.91	62
Platform Mount [LP 1201-1_HR-1]	C	None			0.0000	139.00	No Ice	26.39	26.39	2356
							1/2" Ice	31.40	31.40	3061
							1" Ice	36.20	36.20	3864
							2" Ice	45.40	45.40	5764
126										
BXA-70063-4CF-EDIN-X w/ Mount Pipe	A	From Centroid-Leg	4.00	0.00	0.0000	126.00	No Ice	4.95	3.69	28
			0.00				1/2" Ice	5.32	4.29	70
			1.00				1" Ice	5.71	4.91	118
							2" Ice	6.51	6.18	235
BXA-70063-4CF-EDIN-X w/ Mount Pipe	B	From Centroid-Leg	4.00	0.00	0.0000	126.00	No Ice	4.95	3.69	28
			0.00				1/2" Ice	5.32	4.29	70
			1.00				1" Ice	5.71	4.91	118
							2" Ice	6.51	6.18	235
BXA-70063-4CF-EDIN-X w/ Mount Pipe	C	From Centroid-Leg	4.00	0.00	0.0000	126.00	No Ice	4.95	3.69	28
			0.00				1/2" Ice	5.32	4.29	70
			1.00				1" Ice	5.71	4.91	118
							2" Ice	6.51	6.18	235
(2) SBNHH-1D65B w/ Mount Pipe	A	From Centroid-Leg	4.00	0.00	0.0000	126.00	No Ice	4.09	3.30	66
			0.00				1/2" Ice	4.49	3.68	130
			1.00				1" Ice	4.89	4.07	204
							2" Ice	5.72	4.87	386
(2) SBNHH-1D65B w/ Mount Pipe	B	From Centroid-Leg	4.00	0.00	0.0000	126.00	No Ice	4.09	3.30	66
			0.00				1/2" Ice	4.49	3.68	130
			1.00				1" Ice	4.89	4.07	204
							2" Ice	5.72	4.87	386
(2) SBNHH-1D65B w/ Mount Pipe	C	From Centroid-Leg	4.00	0.00	0.0000	126.00	No Ice	4.09	3.30	66
			0.00				1/2" Ice	4.49	3.68	130
			1.00				1" Ice	4.89	4.07	204
							2" Ice	5.72	4.87	386
CBRS w/ Mount Pipe	A	From Centroid-Leg	4.00	0.00	0.0000	126.00	No Ice	1.71	1.17	32
			0.00				1/2" Ice	1.93	1.44	50
			1.00				1" Ice	2.17	1.72	72
							2" Ice	2.66	2.35	127
CBRS w/ Mount Pipe	B	From Centroid-Leg	4.00	0.00	0.0000	126.00	No Ice	1.71	1.17	32
			0.00				1/2" Ice	1.93	1.44	50
			1.00				1" Ice	2.17	1.72	72
							2" Ice	2.66	2.35	127
CBRS w/ Mount Pipe	C	From Centroid-Leg	4.00	0.00	0.0000	126.00	No Ice	1.71	1.17	32
			0.00				1/2" Ice	1.93	1.44	50

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
		g	1.00			1" Ice	2.17	1.72	72
						2" Ice	2.66	2.35	127
(3) RFV01U-D1A	A	From Centroid-Le g	4.00 0.00 0.00	0.0000	126.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	84 103 124 175
RFV01U-D2A	A	From Centroid-Le g	4.00 0.00 0.00	0.0000	126.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	70 87 106 153
(2) RFV01U-D2A	B	From Centroid-Le g	4.00 0.00 0.00	0.0000	126.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	70 87 106 153
20W CBRS	B	From Centroid-Le g	4.00 0.00 1.00	0.0000	126.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.86 0.98 1.10 1.37	0.42 0.51 0.61 0.83	19 26 34 58
(2) 20W CBRS	C	From Centroid-Le g	4.00 0.00 1.00	0.0000	126.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.86 0.98 1.10 1.37	0.42 0.51 0.61 0.83	19 26 34 58
DB-T1-6Z-8AB-0Z	C	From Centroid-Le g	4.00 0.00 1.00	0.0000	126.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.80 5.07 5.35 5.93	2.00 2.19 2.39 2.81	44 80 120 213
Platform Mount [LP 404-1_KCKR]	C	None		0.0000	126.00	No Ice 1/2" Ice 1" Ice 2" Ice	35.82 45.85 55.76 75.77	35.82 45.85 55.76 75.77	2318 3016 3886 6142
111									
TME-800MHz 2X50W RRH W/FILTER	A	From Leg	1.00 0.00 0.00	0.0000	111.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	64 86 111 172
TME-800MHz 2X50W RRH W/FILTER	B	From Leg	1.00 0.00 0.00	0.0000	111.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	64 86 111 172
TME-800MHz 2X50W RRH W/FILTER	C	From Leg	1.00 0.00 0.00	0.0000	111.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	64 86 111 172
PCS 1900MHz 4x45W-65MHz	A	From Leg	1.00 0.00 0.00	0.0000	111.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	60 83 110 173
PCS 1900MHz 4x45W-65MHz	B	From Leg	1.00 0.00 0.00	0.0000	111.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	60 83 110 173
PCS 1900MHz 4x45W-65MHz	C	From Leg	1.00 0.00 0.00	0.0000	111.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	60 83 110 173
Pipe Mount [PM 601-3]	C	None		0.0000	111.00	No Ice 1/2" Ice	3.17 3.79	3.17 3.79	195 232

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
						1" Ice	4.42	4.42	279
						2" Ice	5.76	5.76	401
109									
APXVTM14-C-120 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	77 127 185 331
APXVTM14-C-120 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	77 127 185 331
APXVTM14-C-120 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	77 127 185 331
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	95 160 235 419
APXVSPP18-C-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	95 160 235 419
(2) APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	95 160 235 419
SD212-SF3P2SNM W/Mount Piipe	B	From Centroid-Leg	4.00 0.00 4.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.37 6.97 7.58 8.82	28.33 29.54 30.62 32.84	40 189 343 687
TD-RRH8X20-25	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	66 90 117 183
TD-RRH8X20-25	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	66 90 117 183
TD-RRH8X20-25	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	66 90 117 183
DB205-L	B	From Centroid-Leg	4.00 0.00 7.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.72 3.45 5.20 8.75	1.72 3.45 5.20 8.75	36 52 78 164
K732267	A	From Centroid-Leg	4.00 0.00 7.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.10 3.47 3.84 4.58	0.65 0.81 0.97 1.30	14 35 56 98
(2) 2.4" Dia. x 6-ft	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	22 33 48 90
(2) 2.4" Dia. x 6-ft	B	From Centroid-Le	4.00 0.00	0.0000	109.00	No Ice 1/2" Ice	1.43 1.92	1.43 1.92	22 33

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
		g	0.00			1" Ice	2.29	2.29	48
						2" Ice	3.06	3.06	90
(2) 2.4" Dia. x 6-ft	C	From Centroid-Le g	4.00 0.00 0.00	0.0000	109.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	22 33 48
						2" Ice	3.06	3.06	90
Platform Mount [LP 1201-1]	C	None		0.0000	109.00	No Ice	18.38	18.38	2100
						1/2" Ice	22.11	22.11	2652
						1" Ice	25.87	25.87	3263
						2" Ice	33.47	33.47	4662
80									
ANT450Y5-WR	A	From Face	1.00 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice	0.01 0.11 0.21	0.01 0.17 0.32	5 8 10
						2" Ice	0.41	0.61	15
Pipe Mount [PM 601-1]	A	From Face	0.50 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice	1.32 1.58 1.84	1.32 1.58 1.84	65 77 93
						2" Ice	2.40	2.40	134
Pipe Mount [PM 601-1]	B	From Face	0.50 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice	1.32 1.58 1.84	1.32 1.58 1.84	65 77 93
						2" Ice	2.40	2.40	134
79									
SRL-227	A	From Leg	6.00 0.00 -4.00	0.0000	79.00	No Ice 1/2" Ice 1" Ice	4.63 9.39 14.15	1.45 3.73 6.02	35 71 106
						2" Ice	23.67	10.59	178
K732267	B	From Leg	4.00 0.00 -3.00	0.0000	79.00	No Ice 1/2" Ice 1" Ice	3.10 3.47 3.84	0.65 0.81 0.97	14 35 56
						2" Ice	4.58	1.30	98
2.4" Dia. x 4-ft	A	From Leg	6.00 0.00 0.00	0.0000	79.00	No Ice 1/2" Ice 1" Ice	0.87 1.12 1.37	0.87 1.12 1.37	15 22 32
						2" Ice	1.91	1.91	62
2.4" Dia. x 4-ft	B	From Leg	6.00 0.00 0.00	0.0000	79.00	No Ice 1/2" Ice 1" Ice	0.87 1.12 1.37	0.87 1.12 1.37	15 22 32
						2" Ice	1.91	1.91	62
2.4" Dia. x 4-ft	C	From Leg	6.00 0.00 0.00	0.0000	79.00	No Ice 1/2" Ice 1" Ice	0.87 1.12 1.37	0.87 1.12 1.37	15 22 32
						2" Ice	1.91	1.91	62
Side Arm Mount [SO 702-3]	C	None		0.0000	79.00	No Ice	2.53	2.53	81
						1/2" Ice	3.37	3.37	126
						1" Ice	4.12	4.12	188
						2" Ice	5.76	5.76	365
74									
Pipe Mount [PM 601-1]	A	From Leg	0.50 0.00 0.00	0.0000	74.00	No Ice 1/2" Ice 1" Ice	3.00 3.74 4.48	0.90 1.12 1.34	65 79 93
						2" Ice	5.96	1.78	122
50									
GPS-TMG-HR-26N	A	From Leg	4.00 0.00 1.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice	0.21 0.27 0.33	0.13 0.18 0.24	1 3 6

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
						2" Ice	0.49	0.37	17
2.4" Dia. x 2-ft	A	From Leg	3.00 0.00 0.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.48 0.62 0.92	0.35 0.48 0.62 0.92	7 11 17 33
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.00 0.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	65 79 93 121
**									
***									
Side Arm Mount [SO 601-3]	C	None		0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.63 9.41 11.34 15.83	7.63 9.41 11.34 15.83	476 587 724 1077
Side Arm Mount [SO 601-3]	C	None		0.0000	15.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.63 9.41 11.34 15.83	7.63 9.41 11.34 15.83	476 587 724 1077
***									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight lb
SC3-W100ASTX	B	Paraboloid w/Shroud (HP)	From Face	1.00 0.00 0.00	-61.0000		80.00	3.29	No Ice 1/2" Ice 1" Ice 2" Ice	8.51 8.95 9.38 10.26	40 86 132 224
**											
HP2-23	A	Paraboloid w/Shroud (HP)	From Leg	1.00 0.00 1.00	0.0000		74.00	2.04	No Ice 1/2" Ice 1" Ice 2" Ice	3.27 3.55 3.82 4.36	27 45 62 97
***											

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

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

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	148 - 143	19.735	40	1.1660	0.0058
L2	143 - 138	18.515	40	1.1639	0.0055
L3	138 - 133	17.300	40	1.1563	0.0053
L4	133 - 128	16.096	40	1.1405	0.0051
L5	128 - 123	14.914	40	1.1165	0.0049
L6	123 - 116	13.761	40	1.0845	0.0047
L7	119.75 - 114.75	13.031	40	1.0587	0.0046
L8	114.75 - 109.75	11.935	40	1.0315	0.0045

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L9	109.75 - 104.75	10.879	40	0.9836	0.0044
L10	104.75 - 99.75	9.877	40	0.9294	0.0039
L11	99.75 - 94.75	8.935	40	0.8690	0.0033
L12	94.75 - 93.5	8.059	40	0.8037	0.0029
L13	93.5 - 93.25	7.851	40	0.7868	0.0027
L14	93.25 - 88.25	7.810	40	0.7849	0.0027
L15	88.25 - 83.25	7.009	40	0.7434	0.0025
L16	83.25 - 74.75	6.254	40	0.6994	0.0022
L17	79.5 - 74.5	5.718	40	0.6653	0.0020
L18	74.5 - 69.5	5.033	40	0.6420	0.0019
L19	69.5 - 64.5	4.384	40	0.5970	0.0017
L20	64.5 - 59.5	3.783	40	0.5510	0.0015
L21	59.5 - 57.75	3.230	40	0.5036	0.0013
L22	57.75 - 57.5	3.049	40	0.4868	0.0012
L23	57.5 - 52.5	3.024	40	0.4847	0.0012
L24	52.5 - 47.5	2.539	40	0.4414	0.0011
L25	47.5 - 39.5	2.100	40	0.3966	0.0009
L26	45 - 38.5	1.898	40	0.3741	0.0009
L27	38.5 - 33.5	1.408	40	0.3416	0.0008
L28	33.5 - 31.75	1.073	40	0.2982	0.0006
L29	31.75 - 31.5	0.967	40	0.2832	0.0006
L30	31.5 - 28.25	0.952	40	0.2815	0.0006
L31	28.25 - 28	0.768	40	0.2594	0.0005
L32	28 - 23	0.754	40	0.2571	0.0005
L33	23 - 18	0.509	40	0.2118	0.0004
L34	18 - 13	0.311	40	0.1654	0.0003
L35	13 - 8	0.162	40	0.1193	0.0002
L36	8 - 3	0.061	40	0.0733	0.0001
L37	3 - 0	0.009	40	0.0276	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
148.00	800 10121 w/ Mount Pipe	40	19.735	1.1660	0.0058	58348
147.00	Side Arm Mount [SO 601-3]	40	19.491	1.1658	0.0058	58348
139.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	40	17.542	1.1584	0.0053	29030
126.00	BXA-70063-4CF-EDIN-X w/ Mount Pipe	40	14.449	1.1051	0.0048	8954
111.00	TME-800MHz 2X50W RRH W/FILTER	40	11.138	0.9970	0.0046	5902
109.00	APXVTM14-C-120 w/ Mount Pipe	40	10.725	0.9756	0.0045	5498
80.00	SC3-W100ASTX	40	5.788	0.6689	0.0022	8254
79.00	SRL-227	40	5.648	0.6622	0.0021	8777
75.00	HP2-23	40	5.100	0.6448	0.0020	8484
74.00	Pipe Mount [PM 601-1]	40	4.966	0.6387	0.0020	8005
50.00	GPS-TMG-HR-26N	40	2.313	0.4195	0.0010	6372
15.00	Side Arm Mount [SO 601-3]	40	0.216	0.1377	0.0003	6176

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	148 - 143	91.352	4	5.4015	0.0274
L2	143 - 138	85.712	4	5.3927	0.0262
L3	138 - 133	80.095	4	5.3581	0.0250
L4	133 - 128	74.532	4	5.2855	0.0240
L5	128 - 123	69.066	4	5.1743	0.0230
L6	123 - 116	63.733	4	5.0267	0.0221
L7	119.75 - 114.75	60.358	4	4.9085	0.0216
L8	114.75 - 109.75	55.283	4	4.7829	0.0211
L9	109.75 - 104.75	50.398	4	4.5616	0.0204
L10	104.75 - 99.75	45.758	4	4.3103	0.0179
L11	99.75 - 94.75	41.395	4	4.0302	0.0154
L12	94.75 - 93.5	37.337	4	3.7270	0.0131
L13	93.5 - 93.25	36.373	4	3.6490	0.0126
L14	93.25 - 88.25	36.182	4	3.6397	0.0125
L15	88.25 - 83.25	32.475	4	3.4471	0.0113
L16	83.25 - 74.75	28.975	4	3.2428	0.0102
L17	79.5 - 74.5	26.492	4	3.0846	0.0094
L18	74.5 - 69.5	23.318	4	2.9763	0.0088
L19	69.5 - 64.5	20.312	4	2.7677	0.0078
L20	64.5 - 59.5	17.527	4	2.5544	0.0068
L21	59.5 - 57.75	14.968	4	2.3345	0.0059
L22	57.75 - 57.5	14.127	4	2.2567	0.0056
L23	57.5 - 52.5	14.009	4	2.2468	0.0056
L24	52.5 - 47.5	11.762	4	2.0459	0.0049
L25	47.5 - 39.5	9.729	4	1.8383	0.0042
L26	45 - 38.5	8.794	4	1.7340	0.0039
L27	38.5 - 33.5	6.525	4	1.5832	0.0035
L28	33.5 - 31.75	4.973	4	1.3821	0.0029
L29	31.75 - 31.5	4.479	4	1.3124	0.0027
L30	31.5 - 28.25	4.410	4	1.3045	0.0027
L31	28.25 - 28	3.557	4	1.2019	0.0025
L32	28 - 23	3.495	4	1.1914	0.0024
L33	23 - 18	2.357	4	0.9812	0.0020
L34	18 - 13	1.442	4	0.7665	0.0015
L35	13 - 8	0.752	4	0.5525	0.0010
L36	8 - 3	0.285	4	0.3395	0.0006
L37	3 - 0	0.040	4	0.1278	0.0002

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
148.00	800 10121 w/ Mount Pipe	4	91.352	5.4015	0.0274	13438
147.00	Side Arm Mount [SO 601-3]	4	90.223	5.4007	0.0272	13438
139.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	4	81.215	5.3678	0.0253	6489
126.00	BXA-70063-4CF-EDIN-X w/ Mount Pipe	4	66.914	5.1217	0.0227	1978
111.00	TME-800MHz 2X50W RRH W/FILTER	4	51.598	4.6235	0.0214	1295
109.00	APXVTM14-C-120 w/ Mount Pipe	4	49.685	4.5245	0.0209	1205
80.00	SC3-W100ASTX	4	26.817	3.1013	0.0099	1790
79.00	SRL-227	4	26.168	3.0702	0.0097	1903
75.00	HP2-23	4	23.628	2.9894	0.0093	1840
74.00	Pipe Mount [PM 601-1]	4	23.009	2.9610	0.0091	1736
50.00	GPS-TMG-HR-26N	4	10.718	1.9445	0.0048	1377

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
15.00	Side Arm Mount [SO 601-3]	4	1.001	0.6379	0.0013	1333

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	ϕP_n lb	Ratio $\frac{P_u}{\phi P_n}$
L1	148 - 143 (1)	TP24.9752x24x0.2188	5.00	0.00	0.0	17.1887	-4842	1005540	0.005
L2	143 - 138 (2)	TP25.9503x24.9752x0.2188	5.00	0.00	0.0	17.8657	-9620	1045150	0.009
L3	138 - 133 (3)	TP26.9255x25.9503x0.2188	5.00	0.00	0.0	18.5428	-10095	1084750	0.009
L4	133 - 128 (4)	TP27.9006x26.9255x0.2188	5.00	0.00	0.0	19.2199	-10592	1124360	0.009
L5	128 - 123 (5)	TP28.8758x27.9006x0.2188	5.00	0.00	0.0	19.8969	-14908	1163970	0.013
L6	123 - 116 (6)	TP30.241x28.8758x0.2188	7.00	0.00	0.0	20.3370	-15296	1189720	0.013
L7	116 - 114.75 (7)	TP30.0471x29.0721x0.25	5.00	0.00	0.0	23.6440	-16255	1383170	0.012
L8	114.75 - 109.75 (8)	TP31.0221x30.0471x0.25	5.00	0.00	0.0	24.4177	-17575	1428430	0.012
L9	109.75 - 104.75 (9)	TP31.9971x31.0221x0.25	5.00	0.00	0.0	25.1913	-21762	1473690	0.015
L10	104.75 - 99.75 (10)	TP32.9721x31.9971x0.25	5.00	0.00	0.0	25.9650	-22564	1518950	0.015
L11	99.75 - 94.75 (11)	TP33.9471x32.9721x0.25	5.00	0.00	0.0	26.7386	-23396	1564210	0.015
L12	94.75 - 93.5 (12)	TP34.1908x33.9471x0.25	1.25	0.00	0.0	26.9320	-23599	1575520	0.015
L13	93.5 - 93.25 (13)	TP34.2396x34.1908x0.4375	0.25	0.00	0.0	46.9384	-23671	2745900	0.009
L14	93.25 - 88.25 (14)	TP35.2145x34.2396x0.4313	5.00	0.00	0.0	47.6109	-24815	2785240	0.009
L15	88.25 - 83.25 (15)	TP36.1895x35.2145x0.425	5.00	0.00	0.0	48.2446	-25992	2822310	0.009
L16	83.25 - 74.75 (16)	TP37.847x36.1895x0.425	8.50	0.00	0.0	49.2310	-27076	2880010	0.009
L17	74.75 - 74.5 (17)	TP37.3959x36.4208x0.4875	5.00	0.00	0.0	57.1093	-29537	3340900	0.009
L18	74.5 - 69.5 (18)	TP38.3711x37.3959x0.475	5.00	0.00	0.0	57.1340	-30995	3342340	0.009
L19	69.5 - 64.5 (19)	TP39.3462x38.3711x0.475	5.00	0.00	0.0	58.6042	-32418	3428350	0.009
L20	64.5 - 59.5 (20)	TP40.3214x39.3462x0.4688	5.00	0.00	0.0	59.2932	-33871	3468650	0.010
L21	59.5 - 57.75 (21)	TP40.6627x40.3214x0.4625	1.75	0.00	0.0	59.0129	-34378	3452250	0.010
L22	57.75 - 57.5 (22)	TP40.7114x40.6627x0.525	0.25	0.00	0.0	66.9647	-34478	3917430	0.009
L23	57.5 - 52.5 (23)	TP41.6866x40.7114x0.525	5.00	0.00	0.0	68.5896	-36078	4012490	0.009
L24	52.5 - 47.5 (24)	TP42.6618x41.6866x0.5125	5.00	0.00	0.0	68.5631	-37802	4010940	0.009
L25	47.5 - 39.5 (25)	TP44.222x42.6618x0.5125	8.00	0.00	0.0	69.3563	-38631	4057340	0.010
L26	39.5 - 38.5 (26)	TP43.7919x42.5243x0.575	6.50	0.00	0.0	78.8731	-42474	4614070	0.009
L27	38.5 - 33.5 (27)	TP44.767x43.7919x0.5625	5.00	0.00	0.0	78.9216	-44347	4616910	0.010
L28	33.5 - 31.75 (28)	TP45.1083x44.767x0.5625	1.75	0.00	0.0	79.5309	-45001	4652560	0.010
L29	31.75 - 31.5 (29)	TP45.157x45.1083x0.725	0.25	0.00	0.0	102.245 0	-45140	5981320	0.008
L30	31.5 - 28.25	TP45.7908x45.157x0.725	3.25	0.00	0.0	103.703	-46668	6066640	0.008

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	ϕP_n lb	Ratio $\frac{P_u}{\phi P_n}$
	(30)					0			
L31	28.25 - 28 (31)	TP45.8396x45.7908x0.5375	0.25	0.00	0.0	77.2865	-46781	4521260	0.010
L32	28 - 23 (32)	TP46.8147x45.8396x0.5375	5.00	0.00	0.0	78.9500	-48865	4618570	0.011
L33	23 - 18 (33)	TP47.7897x46.8147x0.525	5.00	0.00	0.0	78.7596	-50998	4607440	0.011
L34	18 - 13 (34)	TP48.7648x47.7897x0.525	5.00	0.00	0.0	80.3844	-53726	4702490	0.011
L35	13 - 8 (35)	TP49.7399x48.7648x0.525	5.00	0.00	0.0	82.0092	-55912	4797540	0.012
L36	8 - 3 (36)	TP50.715x49.7399x0.525	5.00	0.00	0.0	83.6340	-58124	4892590	0.012
L37	3 - 0 (37)	TP51.3x50.715x0.5188	3.00	0.00	0.0	83.6120	-59466	4891300	0.012

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} lb-ft	ϕM_{nx} lb-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} lb-ft	ϕM_{ny} lb-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	148 - 143 (1)	TP24.9752x24x0.2188	20609	619979	0.033	0	619979	0.000
L2	143 - 138 (2)	TP25.9503x24.9752x0.2188	53233	662160	0.080	0	662160	0.000
L3	138 - 133 (3)	TP26.9255x25.9503x0.2188	109324	705064	0.155	0	705064	0.000
L4	133 - 128 (4)	TP27.9006x26.9255x0.2188	167842	748623	0.224	0	748623	0.000
L5	128 - 123 (5)	TP28.8758x27.9006x0.2188	245286	792771	0.309	0	792771	0.000
L6	123 - 116 (6)	TP30.241x28.8758x0.2188	300912	821749	0.366	0	821749	0.000
L7	116 - 114.75 (7)	TP30.0471x29.0721x0.25	388653	1010683	0.385	0	1010683	0.000
L8	114.75 - 109.75 (8)	TP31.0221x30.0471x0.25	479848	1066967	0.450	0	1066967	0.000
L9	109.75 - 104.75 (9)	TP31.9971x31.0221x0.25	601640	1123983	0.535	0	1123983	0.000
L10	104.75 - 99.75 (10)	TP32.9721x31.9971x0.25	722063	1181667	0.611	0	1181667	0.000
L11	99.75 - 94.75 (11)	TP33.9471x32.9721x0.25	844775	1239942	0.681	0	1239942	0.000
L12	94.75 - 93.5 (12)	TP34.1908x33.9471x0.25	875867	1254592	0.698	0	1254592	0.000
L13	93.5 - 93.25 (13)	TP34.2396x34.1908x0.4375	882117	2411783	0.366	0	2411783	0.000
L14	93.25 - 88.25 (14)	TP35.2145x34.2396x0.4313	1009467	2518708	0.401	0	2518708	0.000
L15	88.25 - 83.25 (15)	TP36.1895x35.2145x0.425	1141325	2625567	0.435	0	2625567	0.000
L16	83.25 - 74.75 (16)	TP37.847x36.1895x0.425	1243658	2734667	0.455	0	2734667	0.000
L17	74.75 - 74.5 (17)	TP37.3959x36.4208x0.4875	1387775	3203208	0.433	0	3203208	0.000
L18	74.5 - 69.5 (18)	TP38.3711x37.3959x0.475	1538475	3292542	0.467	0	3292542	0.000
L19	69.5 - 64.5 (19)	TP39.3462x38.3711x0.475	1693558	3465250	0.489	0	3465250	0.000
L20	64.5 - 59.5 (20)	TP40.3214x39.3462x0.4688	1853100	3596133	0.515	0	3596133	0.000
L21	59.5 - 57.75 (21)	TP40.6627x40.3214x0.4625	1909983	3611258	0.529	0	3611258	0.000
L22	57.75 - 57.5 (22)	TP40.7114x40.6627x0.525	1918158	4090158	0.469	0	4090158	0.000
L23	57.5 - 52.5 (23)	TP41.6866x40.7114x0.525	2083933	4292383	0.485	0	4292383	0.000
L24	52.5 - 47.5 (24)	TP42.6618x41.6866x0.5125	2254617	4396267	0.513	0	4396267	0.000
L25	47.5 - 39.5 (25)	TP44.222x42.6618x0.5125	2341558	4499183	0.520	0	4499183	0.000
L26	39.5 - 38.5 (26)	TP43.7919x42.5243x0.575	2573167	5179575	0.497	0	5179575	0.000
L27	38.5 - 33.5 (27)	TP44.767x43.7919x0.5625	2756517	5304242	0.520	0	5304242	0.000
L28	33.5 - 31.75 (28)	TP45.1083x44.767x0.5625	2821683	5386975	0.524	0	5386975	0.000

Section No.	Elevation ft	Size	M_{ux} lb-ft	ϕM_{nx} lb-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} lb-ft	ϕM_{ny} lb-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L29	31.75 - 31.5 (29)	TP45.157x45.1083x0.725	2831033	6882717	0.411	0	6882717	0.000
L30	31.5 - 28.25 (30)	TP45.7908x45.157x0.725	2953583	7082075	0.417	0	7082075	0.000
L31	28.25 - 28 (31)	TP45.8396x45.7908x0.5375	2963083	5327842	0.556	0	5327842	0.000
L32	28 - 23 (32)	TP46.8147x45.8396x0.5375	3155142	5561033	0.567	0	5561033	0.000
L33	23 - 18 (33)	TP47.7897x46.8147x0.525	3350058	5668858	0.591	0	5668858	0.000
L34	18 - 13 (34)	TP48.7648x47.7897x0.525	3547283	5906475	0.601	0	5906475	0.000
L35	13 - 8 (35)	TP49.7399x48.7648x0.525	3746942	6148975	0.609	0	6148975	0.000
L36	8 - 3 (36)	TP50.715x49.7399x0.525	3948208	6387725	0.618	0	6387725	0.000
L37	3 - 0 (37)	TP51.3x50.715x0.5188	4069725	6425658	0.633	0	6425658	0.000

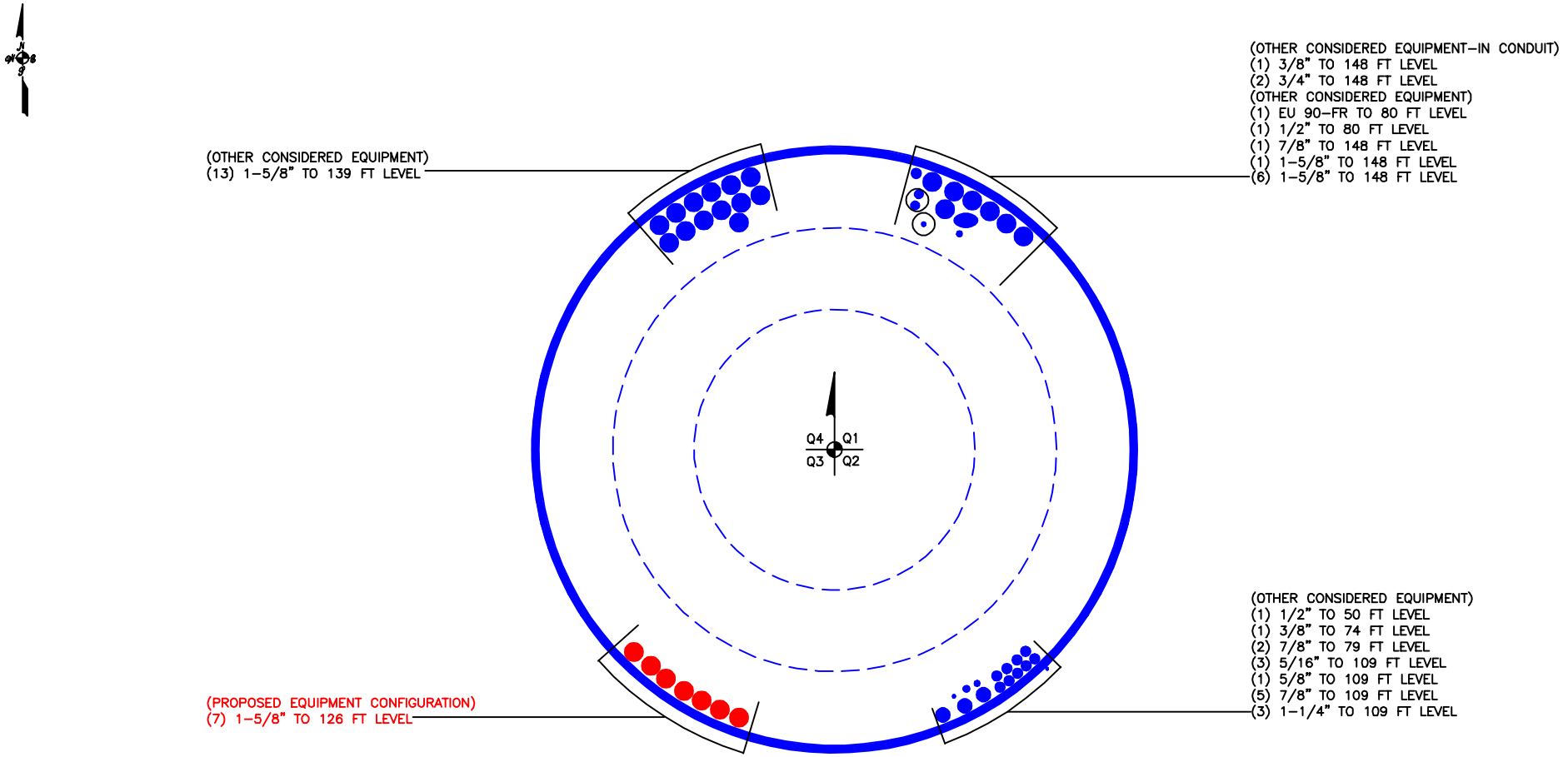
Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u lb	ϕV_n lb	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u lb-ft	ϕT_n lb-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	148 - 143 (1)	TP24.9752x24x0.2188	5237	301661	0.017	497	654014	0.001
L2	143 - 138 (2)	TP25.9503x24.9752x0.2188	10980	313544	0.035	497	706553	0.001
L3	138 - 133 (3)	TP26.9255x25.9503x0.2188	11464	325426	0.035	497	761120	0.001
L4	133 - 128 (4)	TP27.9006x26.9255x0.2188	11952	337309	0.035	496	817718	0.001
L5	128 - 123 (5)	TP28.8758x27.9006x0.2188	16965	349191	0.049	257	876342	0.000
L6	123 - 116 (6)	TP30.241x28.8758x0.2188	17280	356915	0.048	257	915542	0.000
L7	116 - 114.75 (7)	TP30.0471x29.0721x0.25	17820	414952	0.043	256	1082808	0.000
L8	114.75 - 109.75 (8)	TP31.0221x30.0471x0.25	19045	428530	0.044	255	1154833	0.000
L9	109.75 - 104.75 (9)	TP31.9971x31.0221x0.25	23866	442108	0.054	4799	1229167	0.004
L10	104.75 - 99.75 (10)	TP32.9721x31.9971x0.25	24328	455685	0.053	4797	1305825	0.004
L11	99.75 - 94.75 (11)	TP33.9471x32.9721x0.25	24784	469263	0.053	4794	1384800	0.003
L12	94.75 - 93.5 (12)	TP34.1908x33.9471x0.25	24993	472657	0.053	4793	1404908	0.003
L13	93.5 - 93.25 (13)	TP34.2396x34.1908x0.4375	25057	823769	0.030	4793	2438533	0.002
L14	93.25 - 88.25 (14)	TP35.2145x34.2396x0.4313	25933	835572	0.031	4792	2545275	0.002
L15	88.25 - 83.25 (15)	TP36.1895x35.2145x0.425	26834	846692	0.032	4790	2651908	0.002
L16	83.25 - 74.75 (16)	TP37.847x36.1895x0.425	28015	864003	0.032	5407	2761458	0.002
L17	74.75 - 74.5 (17)	TP37.3959x36.4208x0.4875	29586	1002270	0.030	5250	3239583	0.002
L18	74.5 - 69.5 (18)	TP38.3711x37.3959x0.475	30587	1002700	0.031	5207	3327717	0.002
L19	69.5 - 64.5 (19)	TP39.3462x38.3711x0.475	31479	1028500	0.031	5205	3501175	0.001
L20	64.5 - 59.5 (20)	TP40.3214x39.3462x0.4688	32366	1040600	0.031	5204	3631775	0.001
L21	59.5 - 57.75 (21)	TP40.6627x40.3214x0.4625	32686	1035680	0.032	5203	3646125	0.001
L22	57.75 - 57.5 (22)	TP40.7114x40.6627x0.525	32726	1175230	0.028	5203	4136017	0.001
L23	57.5 - 52.5 (23)	TP41.6866x40.7114x0.525	33620	1203750	0.028	5202	4339183	0.001
L24	52.5 - 47.5 (24)	TP42.6618x41.6866x0.5125	34577	1203280	0.029	5033	4441583	0.001
L25	47.5 - 39.5 (25)	TP44.222x42.6618x0.5125	35011	1217200	0.029	5032	4544933	0.001
L26	39.5 - 38.5 (26)	TP43.7919x42.5243x0.575	36266	1384220	0.026	5032	5238892	0.001

Section No.	Elevation ft	Size	Actual V_u lb	ϕV_n lb	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u lb-ft	ϕT_n lb-ft	Ratio $\frac{T_u}{\phi T_n}$
L27	38.5 - 33.5 (27)	TP44.767x43.7919x0.5625	37107	1385070	0.027	5031	5361908	0.001
L28	33.5 - 31.75 (28)	TP45.1083x44.767x0.5625	37411	1395770	0.027	5030	5445025	0.001
L29	31.75 - 31.5 (29)	TP45.157x45.1083x0.725	37436	1794400	0.021	5030	6982233	0.001
L30	31.5 - 28.25 (30)	TP45.7908x45.157x0.725	38002	1819990	0.021	5030	7182850	0.001
L31	28.25 - 28 (31)	TP45.8396x45.7908x0.5375	38036	1356380	0.028	5030	5381200	0.001
L32	28 - 23 (32)	TP46.8147x45.8396x0.5375	38814	1385570	0.028	5029	5615333	0.001
L33	23 - 18 (33)	TP47.7897x46.8147x0.525	39191	1382230	0.028	5028	5721341	0.001
L34	18 - 13 (34)	TP48.7648x47.7897x0.525	39791	1410750	0.028	5028	5959841	0.001
L35	13 - 8 (35)	TP49.7399x48.7648x0.525	40114	1439260	0.028	5027	6203208	0.001
L36	8 - 3 (36)	TP50.715x49.7399x0.525	40433	1467780	0.028	5027	6451441	0.001
L37	3 - 0 (37)	TP51.3x50.715x0.5188	40621	1467390	0.028	5027	6525725	0.001

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(13) 1-5/8" TO 139 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(1) 3/8" TO 148 FT LEVEL
(2) 3/4" TO 148 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) EU 90-FR TO 80 FT LEVEL
(1) 1/2" TO 80 FT LEVEL
(1) 7/8" TO 148 FT LEVEL
(1) 1-5/8" TO 148 FT LEVEL
(6) 1-5/8" TO 148 FT LEVEL
Q4 Q1
Q3 Q2
(PROPOSED EQUIPMENT CONFIGURATION)
(7) 1-5/8" TO 126 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 50 FT LEVEL
(1) 3/8" TO 74 FT LEVEL
(2) 7/8" TO 79 FT LEVEL
(3) 5/16" TO 109 FT LEVEL
(1) 5/8" TO 109 FT LEVEL
(5) 7/8" TO 109 FT LEVEL
(3) 1-1/4" TO 109 FT LEVEL

APPENDIX C

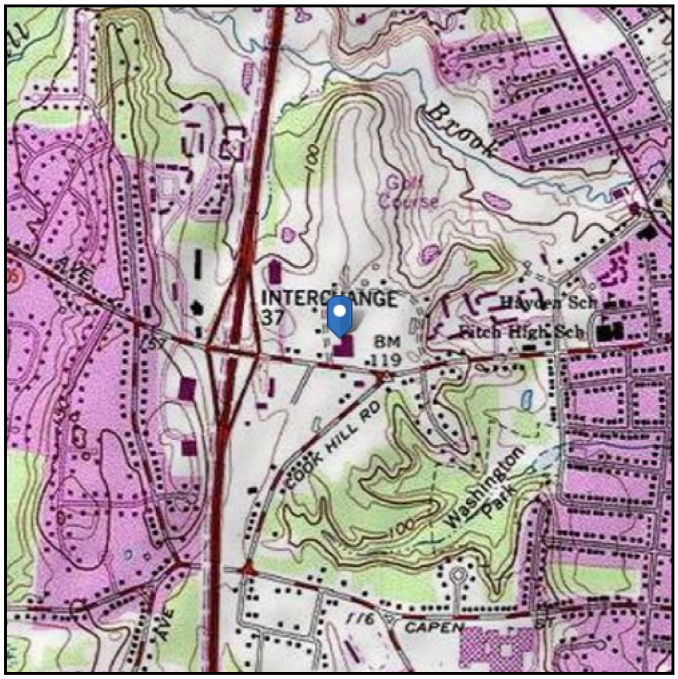
ADDITIONAL CALCULATIONS

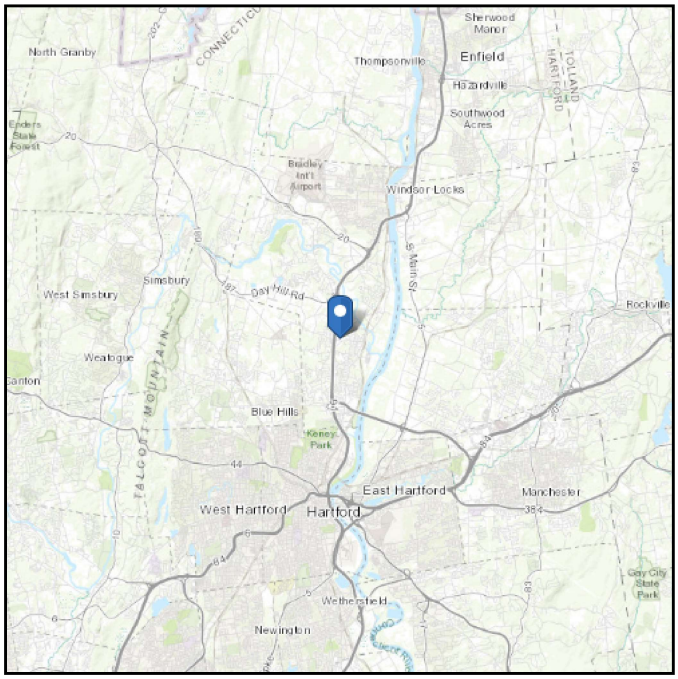
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 115.16 ft (NAVD 88)
Latitude: 41.852594
Longitude: -72.660497





Wind

Results:

Wind Speed:	121 Vmph
10-year MRI	76 Vmph
25-year MRI	86 Vmph
50-year MRI	92 Vmph
100-year MRI	99 Vmph

Wind speed updated per local jurisdiction requirements

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

Date Accessed: Tue Nov 05 2019

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

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

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

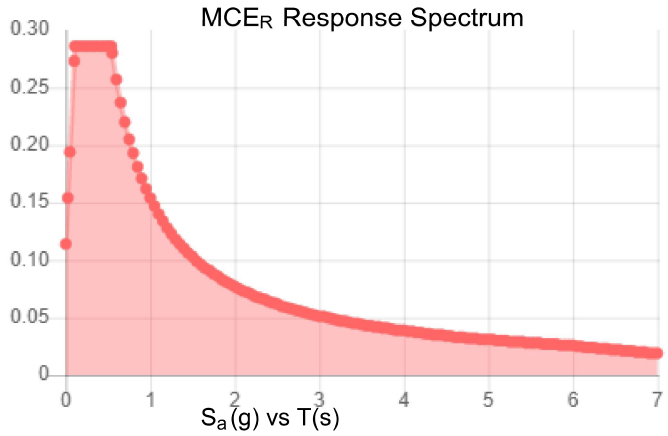
Seismic

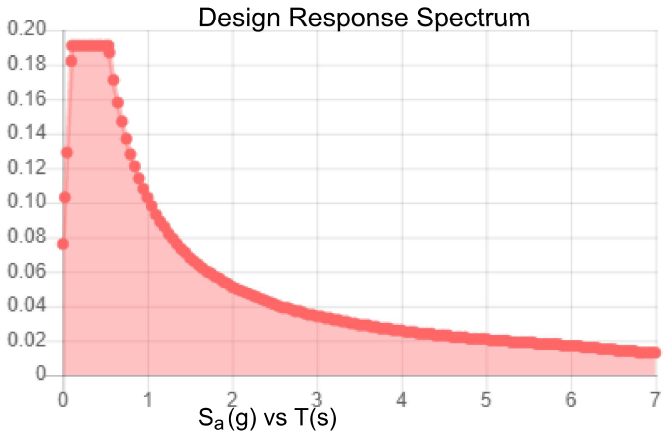
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.179	S_{DS} :	0.191
S_1 :	0.064	S_{D1} :	0.103
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.089
S_{MS} :	0.286	PGA_M :	0.142
S_{M1} :	0.154	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Tue Nov 05 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:	Tue Nov 05 2019

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

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

CCIpole

per TIA-222- H

Site BU: 855662

Work Order: 1803411

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	148	32	3.75	18	24	30.241	0.21875	Auto	A607-65
2	119.75	45	4.75	18	29.07	37.847	0.25	Auto	A607-65
3	79.5	40	5.5	18	36.42	44.222	0.3125	Auto	A607-65
4	45	45	0	18	42.52	51.3	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	13	14	15	16	17	18
1	0	31.75	plate	CCI-SFP-085125	3								x					x					x
2	28.25	57.75	plate	CCI-SFP-065125	2						x						x						
3	31.75	57.75	plate	CCI-SFP-065125	1																		x
4	57.75	93.5	plate	CCI-SFP-060100	3						x						x						x
5																							
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Length (in)	Top Termination Length (in)	L_u (in)	Net Area (in^2)	Bolt Hole Size (in)	Reinforcement Material
1	8.5	1.25	10.625	0.625	45.000	45.000	17.000	9.063	1.1875	A572-65
2	6.5	1.25	8.125	0.625	33.000	33.000	19.000	6.563	1.1875	A572-65
3	6.5	1.25	8.125	0.625	33.000	33.000	19.000	6.563	1.1875	A572-65
4	6	1	6	0.5	24.000	24.000	16.000	4.750	1.1875	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	148 - 143	5		18	24.000	24.975	0.21875	A607-65	1.000
2	143 - 138	5		18	24.975	25.950	0.21875	A607-65	1.000
3	138 - 133	5		18	25.950	26.925	0.21875	A607-65	1.000
4	133 - 128	5		18	26.925	27.901	0.21875	A607-65	1.000
5	128 - 123	5		18	27.901	28.876	0.21875	A607-65	1.000
6	123 - 119.75	7	3.75	18	28.876	30.241	0.21875	A607-65	1.000
7	119.75 - 114.75	5		18	29.072	30.047	0.25	A607-65	1.000
8	114.75 - 109.75	5		18	30.047	31.022	0.25	A607-65	1.000
9	109.75 - 104.75	5		18	31.022	31.997	0.25	A607-65	1.000
10	104.75 - 99.75	5		18	31.997	32.972	0.25	A607-65	1.000
11	99.75 - 94.75	5		18	32.972	33.947	0.25	A607-65	1.000
12	94.75 - 93.5	1.25		18	33.947	34.191	0.25	A607-65	1.000
13	93.5 - 93.25	0.25		18	34.191	34.240	0.4375	A607-65	0.958
14	93.25 - 88.25	5		18	34.240	35.215	0.43125	A607-65	0.961
15	88.25 - 83.25	5		18	35.215	36.190	0.425	A607-65	0.964
16	83.25 - 79.5	8.5	4.75	18	36.190	37.847	0.425	A607-65	0.957
17	79.5 - 74.5	5		18	36.421	37.396	0.4875	A607-65	0.959
18	74.5 - 69.5	5		18	37.396	38.371	0.475	A607-65	0.976
19	69.5 - 64.5	5		18	38.371	39.346	0.475	A607-65	0.968
20	64.5 - 59.5	5		18	39.346	40.321	0.46875	A607-65	0.973
21	59.5 - 57.75	1.75		18	40.321	40.663	0.4625	A607-65	0.983
22	57.75 - 57.5	0.25		18	40.663	40.711	0.525	A607-65	0.962
23	57.5 - 52.5	5		18	40.711	41.687	0.525	A607-65	0.954
24	52.5 - 47.5	5		18	41.687	42.662	0.5125	A607-65	0.968
25	47.5 - 45	8	5.5	18	42.662	44.222	0.5125	A607-65	0.964
26	45 - 38.5	6.5		18	42.524	43.792	0.575	A607-65	0.964
27	38.5 - 33.5	5		18	43.792	44.767	0.5625	A607-65	0.978
28	33.5 - 31.75	1.75		18	44.767	45.108	0.5625	A607-65	0.976
29	31.75 - 31.5	0.25		18	45.108	45.157	0.725	A607-65	0.992
30	31.5 - 28.25	3.25		18	45.157	45.791	0.725	A607-65	0.985
31	28.25 - 28	0.25		18	45.791	45.840	0.5375	A607-65	1.113
32	28 - 23	5		18	45.840	46.815	0.5375	A607-65	1.104
33	23 - 18	5		18	46.815	47.790	0.525	A607-65	1.121
34	18 - 13	5		18	47.790	48.765	0.525	A607-65	1.113
35	13 - 8	5		18	48.765	49.740	0.525	A607-65	1.105
36	8 - 3	5		18	49.740	50.715	0.525	A607-65	1.098
37	3 - 0	3		18	50.715	51.300	0.51875	A607-65	1.106

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	148 - 143	4.84	20.61	5.24
2	143 - 138	9.62	53.23	10.98
3	138 - 133	10.09	109.32	11.46
4	133 - 128	10.59	167.84	11.95
5	128 - 123	14.91	245.29	16.96
6	123 - 119.75	15.30	300.91	17.28
7	119.75 - 114.75	16.26	388.65	17.82
8	114.75 - 109.75	17.58	479.85	19.05
9	109.75 - 104.75	21.76	601.64	23.87
10	104.75 - 99.75	22.56	722.06	24.33
11	99.75 - 94.75	23.40	844.78	24.78
12	94.75 - 93.5	23.60	875.87	24.99
13	93.5 - 93.25	23.67	882.12	25.06
14	93.25 - 88.25	24.82	1009.47	25.93
15	88.25 - 83.25	25.99	1141.33	26.83
16	83.25 - 79.5	27.08	1243.66	28.02
17	79.5 - 74.5	29.54	1387.78	29.59
18	74.5 - 69.5	30.99	1538.47	30.59
19	69.5 - 64.5	32.42	1693.56	31.48
20	64.5 - 59.5	33.87	1853.10	32.37
21	59.5 - 57.75	34.38	1909.98	32.69
22	57.75 - 57.5	34.48	1918.16	32.73
23	57.5 - 52.5	36.08	2083.93	33.62
24	52.5 - 47.5	37.80	2254.61	34.58
25	47.5 - 45	38.63	2341.56	35.01
26	45 - 38.5	42.47	2573.17	36.27
27	38.5 - 33.5	44.35	2756.52	37.11
28	33.5 - 31.75	45.00	2821.68	37.41
29	31.75 - 31.5	45.14	2831.04	37.44
30	31.5 - 28.25	46.67	2953.58	38.00
31	28.25 - 28	46.78	2963.08	38.04
32	28 - 23	48.86	3155.14	38.81
33	23 - 18	51.00	3350.06	39.19
34	18 - 13	53.73	3547.28	39.79
35	13 - 8	55.91	3746.94	40.11
36	8 - 3	58.12	3948.21	40.43
37	3 - 0	59.47	4069.72	40.62

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
148 - 143	Pole	TP24.975x24x0.2188	Pole	3.6%	Pass
143 - 138	Pole	TP25.95x24.975x0.2188	Pole	8.4%	Pass
138 - 133	Pole	TP26.925x25.95x0.2188	Pole	15.5%	Pass
133 - 128	Pole	TP27.901x26.925x0.2188	Pole	22.2%	Pass
128 - 123	Pole	TP28.876x27.901x0.2188	Pole	30.6%	Pass
123 - 119.75	Pole	TP30.241x28.876x0.2188	Pole	36.0%	Pass
119.75 - 114.75	Pole	TP30.047x29.072x0.25	Pole	37.6%	Pass
114.75 - 109.75	Pole	TP31.022x30.047x0.25	Pole	43.9%	Pass
109.75 - 104.75	Pole	TP31.997x31.022x0.25	Pole	52.3%	Pass
104.75 - 99.75	Pole	TP32.972x31.997x0.25	Pole	59.5%	Pass
99.75 - 94.75	Pole	TP33.947x32.972x0.25	Pole	66.2%	Pass
94.75 - 93.5	Pole	TP34.191x33.947x0.25	Pole	67.8%	Pass
93.5 - 93.25	Pole + Reinf.	TP34.24x34.191x0.4375	Reinf. 4 Tension Rupture	56.2%	Pass
93.25 - 88.25	Pole + Reinf.	TP35.215x34.24x0.4313	Reinf. 4 Tension Rupture	61.5%	Pass
88.25 - 83.25	Pole + Reinf.	TP36.19x35.215x0.425	Reinf. 4 Tension Rupture	66.5%	Pass
83.25 - 79.5	Pole + Reinf.	TP37.847x36.19x0.425	Reinf. 4 Tension Rupture	70.1%	Pass
79.5 - 74.5	Pole + Reinf.	TP37.396x36.421x0.4875	Reinf. 4 Tension Rupture	66.7%	Pass
74.5 - 69.5	Pole + Reinf.	TP38.371x37.396x0.475	Reinf. 4 Tension Rupture	70.8%	Pass
69.5 - 64.5	Pole + Reinf.	TP39.346x38.371x0.475	Reinf. 4 Tension Rupture	74.7%	Pass
64.5 - 59.5	Pole + Reinf.	TP40.321x39.346x0.4688	Reinf. 4 Tension Rupture	78.4%	Pass
59.5 - 57.75	Pole + Reinf.	TP40.663x40.321x0.4625	Reinf. 4 Tension Rupture	79.6%	Pass
57.75 - 57.5	Pole + Reinf.	TP40.711x40.663x0.525	Reinf. 2 Tension Rupture	70.3%	Pass
57.5 - 52.5	Pole + Reinf.	TP41.687x40.711x0.525	Reinf. 2 Tension Rupture	73.5%	Pass
52.5 - 47.5	Pole + Reinf.	TP42.662x41.687x0.5125	Reinf. 2 Tension Rupture	76.6%	Pass
47.5 - 45	Pole + Reinf.	TP44.222x42.662x0.5125	Reinf. 2 Tension Rupture	78.1%	Pass
45 - 38.5	Pole + Reinf.	TP43.792x42.524x0.575	Reinf. 2 Tension Rupture	74.6%	Pass
38.5 - 33.5	Pole + Reinf.	TP44.767x43.792x0.5625	Reinf. 2 Tension Rupture	77.0%	Pass
33.5 - 31.75	Pole + Reinf.	TP45.108x44.767x0.5625	Reinf. 2 Tension Rupture	77.8%	Pass
31.75 - 31.5	Pole + Reinf.	TP45.157x45.108x0.725	Reinf. 1 Bolt Shear	64.9%	Pass
31.5 - 28.25	Pole + Reinf.	TP45.791x45.157x0.725	Reinf. 1 Compression	63.7%	Pass
28.25 - 28	Pole + Reinf.	TP45.84x45.791x0.5375	Reinf. 1 Compression	71.9%	Pass
28 - 23	Pole + Reinf.	TP46.815x45.84x0.5375	Reinf. 1 Compression	73.9%	Pass
23 - 18	Pole + Reinf.	TP47.79x46.815x0.525	Reinf. 1 Compression	75.8%	Pass
18 - 13	Pole + Reinf.	TP48.765x47.79x0.525	Reinf. 1 Compression	77.6%	Pass
13 - 8	Pole + Reinf.	TP49.74x48.765x0.525	Reinf. 1 Compression	79.3%	Pass
8 - 3	Pole + Reinf.	TP50.715x49.74x0.525	Reinf. 1 Compression	80.9%	Pass
3 - 0	Pole + Reinf.	TP51.3x50.715x0.5188	Reinf. 1 Bolt Shear	85.0%	Pass
				Summary	
			Pole	71.4%	Pass
			Reinforcement	85.0%	Pass
			Overall	85.0%	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
148 - 143	1330	n/a	1330	17.19	n/a	17.19	3.6%				
143 - 138	1494	n/a	1494	17.87	n/a	17.87	8.4%				
138 - 133	1670	n/a	1670	18.54	n/a	18.54	15.5%				
133 - 128	1860	n/a	1860	19.22	n/a	19.22	22.2%				
128 - 123	2064	n/a	2064	19.90	n/a	19.90	30.6%				
123 - 119.75	2204	n/a	2204	20.34	n/a	20.34	36.0%				
119.75 - 114.75	2651	n/a	2651	23.64	n/a	23.64	37.6%				
114.75 - 109.75	2920	n/a	2920	24.42	n/a	24.42	43.9%				
109.75 - 104.75	3207	n/a	3207	25.19	n/a	25.19	52.3%				
104.75 - 99.75	3511	n/a	3511	25.96	n/a	25.96	59.5%				
99.75 - 94.75	3834	n/a	3834	26.74	n/a	26.74	66.2%				
94.75 - 93.5	3918	n/a	3918	26.93	n/a	26.93	67.8%				
93.5 - 93.25	3935	2822	6757	26.97	18.00	44.97	39.2%				56.2%
93.25 - 88.25	4284	2979	7262	27.74	18.00	45.74	43.3%				61.5%
88.25 - 83.25	4652	3140	7792	28.52	18.00	46.52	47.4%				66.5%
83.25 - 79.5	4942	3263	8205	29.10	18.00	47.10	50.5%				70.1%
79.5 - 74.5	6388	3345	9733	36.78	18.00	54.78	44.5%				66.7%
74.5 - 69.5	6906	3515	10421	37.75	18.00	55.75	47.6%				70.8%
69.5 - 64.5	7450	3690	11140	38.72	18.00	56.72	50.7%				74.7%
64.5 - 59.5	8022	3870	11892	39.68	18.00	57.68	53.6%				78.4%
59.5 - 57.75	8230	3933	12163	40.02	18.00	58.02	54.7%				79.6%
57.75 - 57.5	8259	5409	13669	40.07	24.38	64.44	49.0%		70.3%	70.3%	
57.5 - 52.5	8872	5662	14534	41.04	24.38	65.41	51.6%		73.5%	73.5%	
52.5 - 47.5	9514	5920	15434	42.00	24.38	66.38	54.3%		76.6%	76.6%	
47.5 - 45	9847	6051	15897	42.49	24.38	66.86	55.6%		78.1%	78.1%	
45 - 38.5	12303	6226	18529	51.68	24.38	76.05	50.2%		74.6%	74.6%	
38.5 - 33.5	13150	6496	19647	52.84	24.38	77.21	52.2%		77.0%	77.0%	
33.5 - 31.75	13456	6593	20048	53.24	24.38	77.62	52.9%		77.8%	77.8%	
31.75 - 31.5	13800	12075	25875	53.30	48.13	101.42	46.1%	64.9%	59.2%		
31.5 - 28.25	14389	12408	26798	54.05	48.13	102.18	47.3%	63.7%	60.4%		
28.25 - 28	14322	5866	20187	54.11	31.88	85.99	60.9%	71.9%			
28 - 23	15257	6111	21369	55.27	31.88	87.15	62.9%	73.9%			
23 - 18	16233	6362	22595	56.43	31.88	88.31	64.9%	75.8%			
18 - 13	17249	6618	23867	57.59	31.88	89.47	66.8%	77.6%			
13 - 8	18307	6880	25186	58.75	31.88	90.63	68.6%	79.3%			
8 - 3	19407	7146	26553	59.91	31.88	91.79	70.3%	80.9%			
3 - 0	20088	7309	27396	60.61	31.88	92.49	71.4%	85.0%			

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

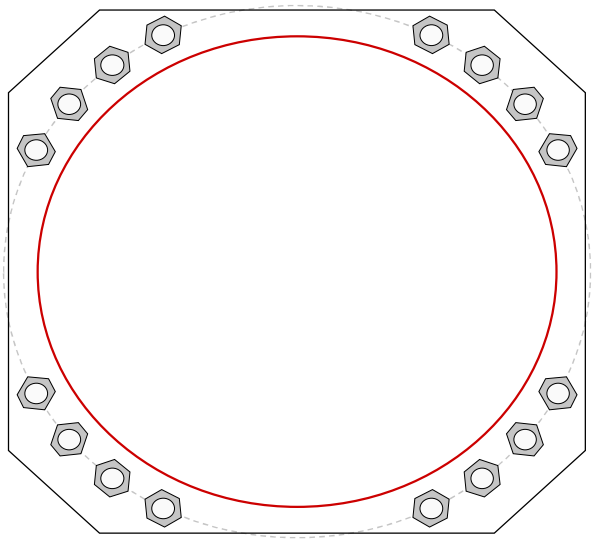
Monopole Base Plate Connection

Site Info	
BU #	855662
Site Name	WindsorCentral
Order #	506813 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.5

Applied Loads	
Moment (kip-ft)	4069.72
Axial Force (kips)	59.47
Shear Force (kips)	40.62

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 58" BC

Anchor Spacing: 6 in

Base Plate Data

57" OD x 2.75" Plate (A572-55; Fy=55 ksi, Fu=70 ksi)

Stiffener Data

N/A

Pole Data

51.3" x 0.375" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_c = 214.09	ϕPn_c = 243.75	**Stress Rating**
Vu = 2.54	ϕVn = 73.13	**83.8%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	38.98	(Flexural)
Allowable Stress (ksi):	49.5	
Stress Rating:	**75.0%**	**Pass**

Drilled Pier Foundation

BU # :	855662
Site Name:	WindsorCentral
Order Number:	506813 Rev. 0

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	4069.724	
Axial Force (kips)	59.481	
Shear Force (kips)	41.908	

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

Pier Design Data		
Depth	32.5	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 32.5' below grade		
Pier Diameter	7	ft
Rebar Quantity	20	
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)	7.67	-
Soil Safety Factor	1.73	-
Max Moment (kip-ft)	4360.31	-
Rating*	*73.3%*	-
Soil Vertical Capacity	*Compression*	*Uplift*
Skin Friction (kips)	150.09	-
End Bearing (kips)	189.92	-
Weight of Concrete (kips)	140.71	-
Total Capacity (kips)	340.01	-
Axial (kips)	200.19	-
Rating*	*56.1%*	-
Reinforced Concrete Capacity	*Compression*	*Uplift*
Critical Depth (ft from TOC)	7.71	-
Critical Moment (kip-ft)	4360.30	-
Critical Moment Capacity	5004.69	-
Rating*	*83.0%*	-

Soil Interaction Rating*	**73.3%**
Structural Foundation Rating*	**83.0%**

*Rating per TIA-222-H Section 15.5

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

Soil Profile

Groundwater Depth	2	ft	# of Layers: 5

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		0.000	0.000	0.00	0.00			Cohesionless
2	2	5	3	50	87.6	0		0.000	0.000	0.00	0.00			Cohesionless
3	5	12	7	55	87.6		35	0.000	0.000	0.36	0.36			Cohesionless
4	12	16	4	50	87.6		31	0.000	0.000	0.49	0.49			Cohesionless
5	16	32.5	16.5	50	87.6	0.8		0.440	0.440	0.28	0.28	6.58		Cohesive

Exhibit E

Mount Analysis

November 4, 2019

Darcy Tarr
Crown Castle
3530 Toringdon Way, Suite 300
Charlotte, NC 28277
(704) 405-6589

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:	NG36734
	Client Site Name:	WINDSOR 3 CT
Crown Castle Designation:	**Crown Castle BU Number:**	855662
	Crown Castle Site Name:	WINDSORCENTRAL
	Crown Castle JDE Job Number:	592727
	Crown Castle Order Number:	506813 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	58885.317809
Site Data:	**340 Bloomfield Avenue, Windsor, Hartford County, CT 06095** **Latitude *41° 51' 09.34"*, Longitude *-72° 39' 37.79"***	
Structure Information:	**Tower Height & Type:**	150.0± ft Monopole
	Mount Elevation:	126.0 ft
	Mount Width & Type:	15.25 ft Low Profile Platform

Dear Darcy Tarr,

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:

Low Profile Platform Mount **Sufficient Capacity**

This analysis utilizes an ultimate 3-second gust wind speed of 125 mph from the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Lauren Gibson, E.I.

Respectfully submitted by:

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

Electronic Copy

11/04/2019

TABLE OF CONTENTS

1) INTRODUCTION

The mount is an existing 15.25-ft Low Profile Platform mount, mapped by ProVertic.

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:	2.0 in
Wind Speed with Ice:	50 mph
Seismic Design Category:	B
Seismic S_s:	0.179
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
126.0	127.0	3	Antel	BXA-70063-4CF-EDIN-X	Low Profile Platform Mount
		6	Commscope	SBNHH-1D65B	
		3	Samsung Telecommunications	CBRS	
		3	Samsung Telecommunications	20W CBRS	
		1	RFS/Celwave	DB-T1-6Z-8AB-0Z	
	126.0	3	Samsung Telecommunications	RFV01U-D1A	
		3	Samsung Telecommunications	RFV01U-D2A	

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Constructions Drawings	Hudson Design Group LLC	-	CCIsites
Mount Mapping Report	ProVertic	-	CCIsites
Loading Application	Verizon Wireless	Order 506813 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.

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 (Low Profile Platform Mount)

Notes	Component	Critical Member	Mount Centerline (ft)	% Capacity	Pass / Fail
1	Face Horizontals	FFTH	126.0	68.9	Pass
1	Support Horizontals	SA-2L	126.0	57.3	Pass
1	Handrail	FFHR	126.0	56.3	Pass
1	Mount Pipes	MP-2	126.0	70.3	Pass

Structure Rating (max from all components) =	70.3%

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
-	-	-	-	-	-	-

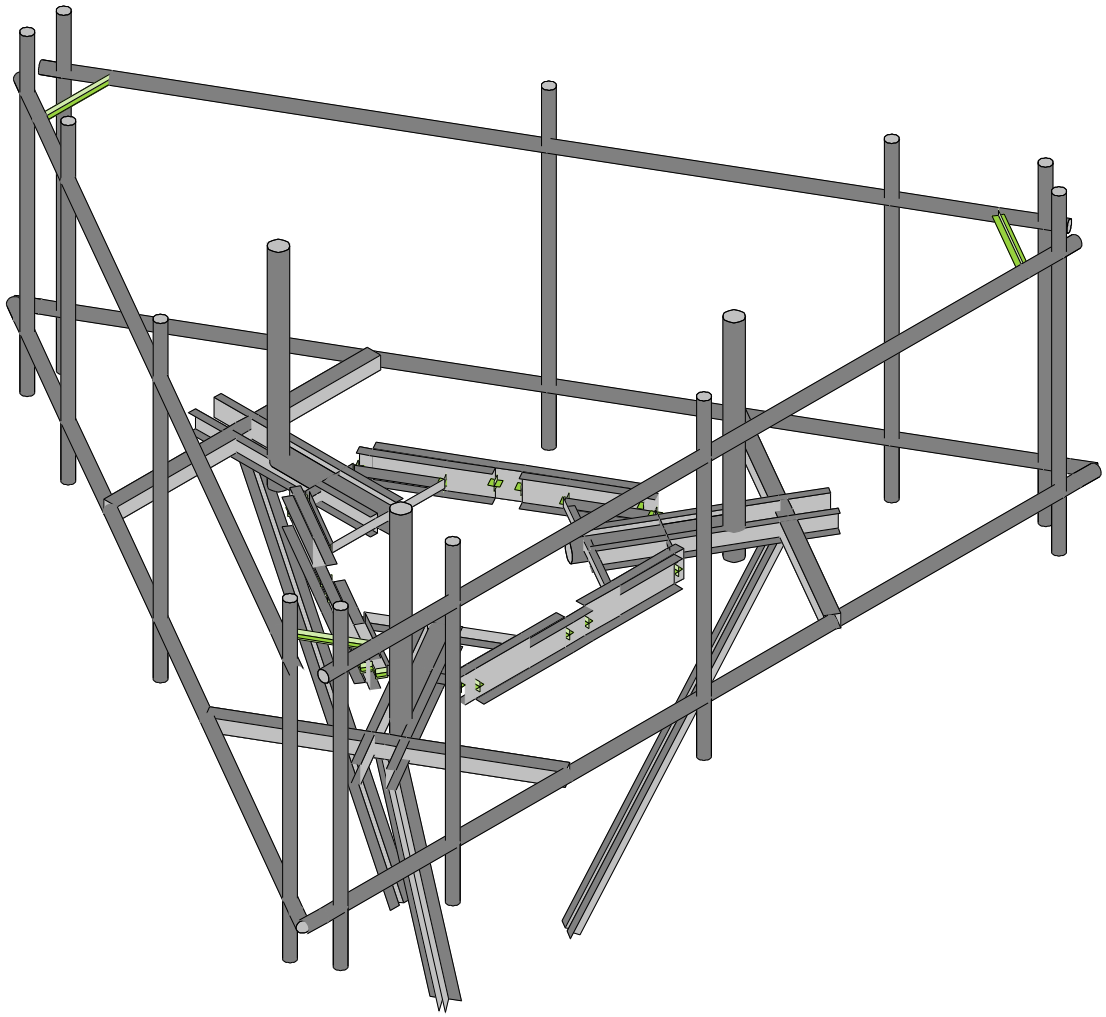
Notes:
1) Tieback connection point is within 25% of either end of the connected tower member.
2) Tower connection point is NOT within 25% of either end of the connected tower member.
3) Reduced member compressive capacity according to CED-STD-10294 *Standard for Installation of Mounts and Appurtenances.*

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.

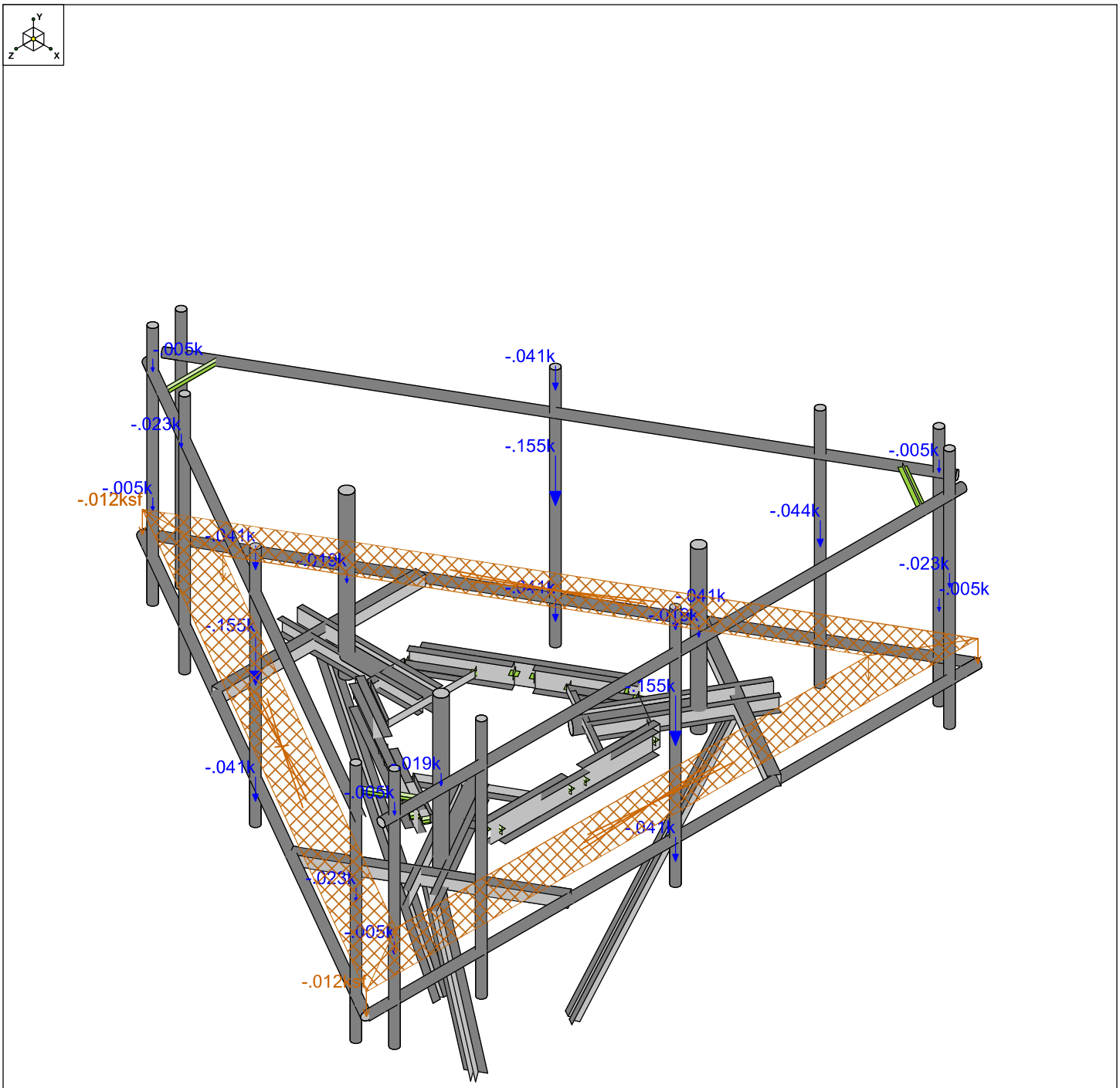
APPENDIX A

WİRE FRAME AND RENDERED MODELS



Envelope Only Solution

Tower Engineering Profess...	BU# 855662 - WINDSORCENTRAL	SK - 1
LEG		Nov 1, 2019 at 12:27 PM
TEP No. 58885.317809		Mount Rev H.r3d



Loads: BLC 1, Dead
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Tower Engineering Profes...	BU# 855662 - WINDSORCENTRAL	SK - 2
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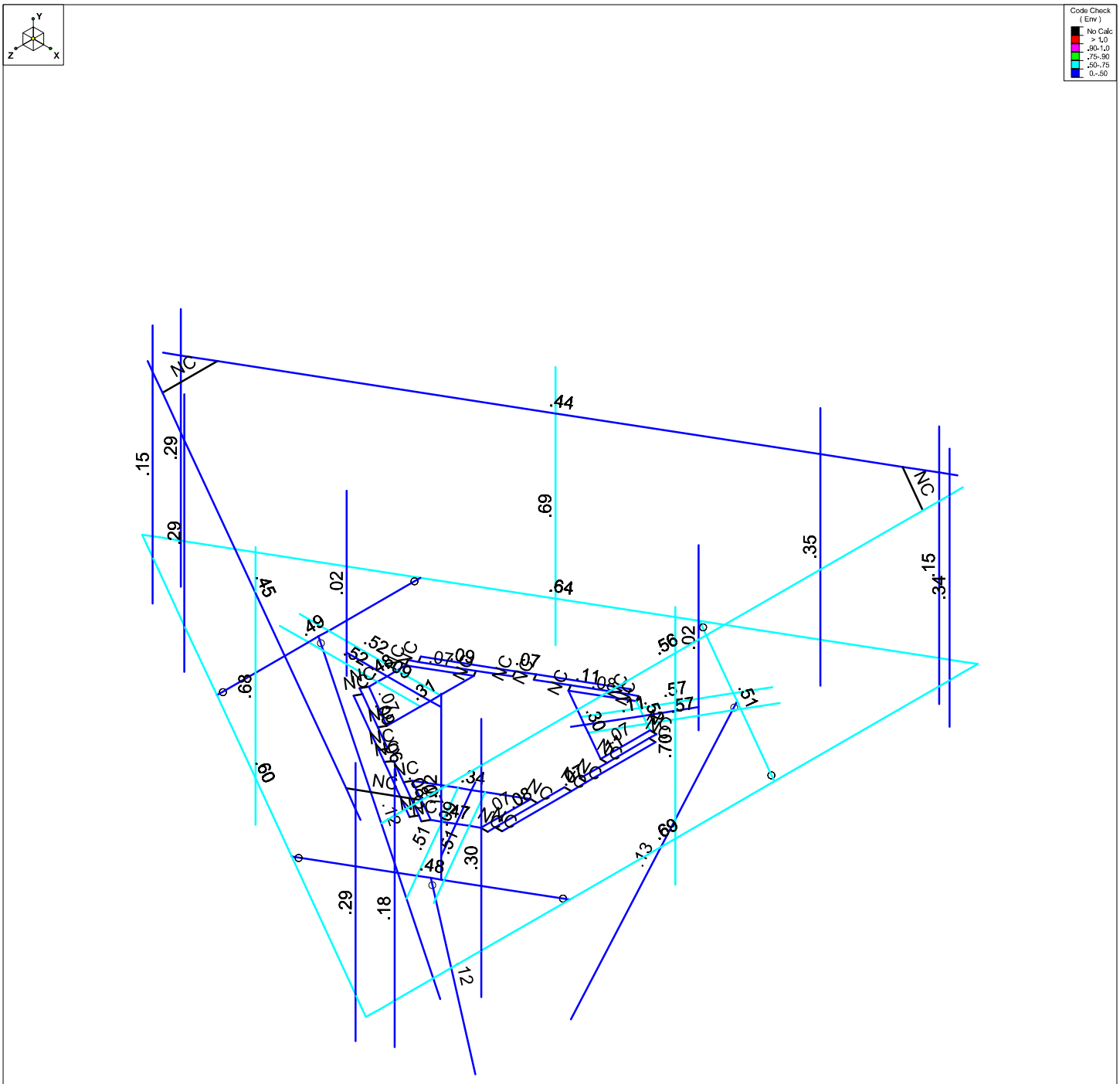
TEP No. 58885.317809		Mount Rev H.r3d



Member Code Checks Displayed (Enveloped)
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Tower Engineering Profess...		SK - 3
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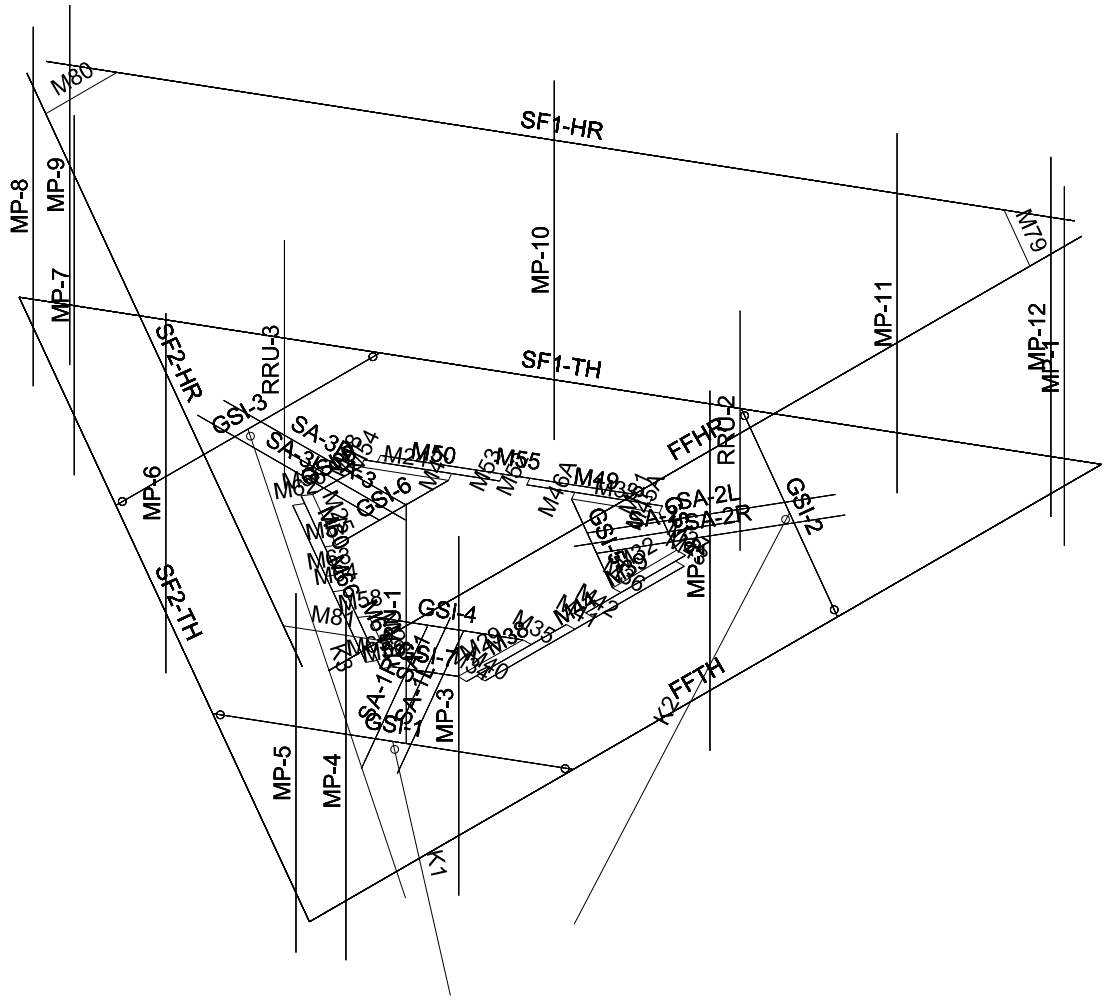
TEP No. 58885.317809		Mount Rev H.r3d



Envelope Only Solution

Tower Engineering Profess...	BU# 855662 - WINDSORCENTRAL	SK - 4
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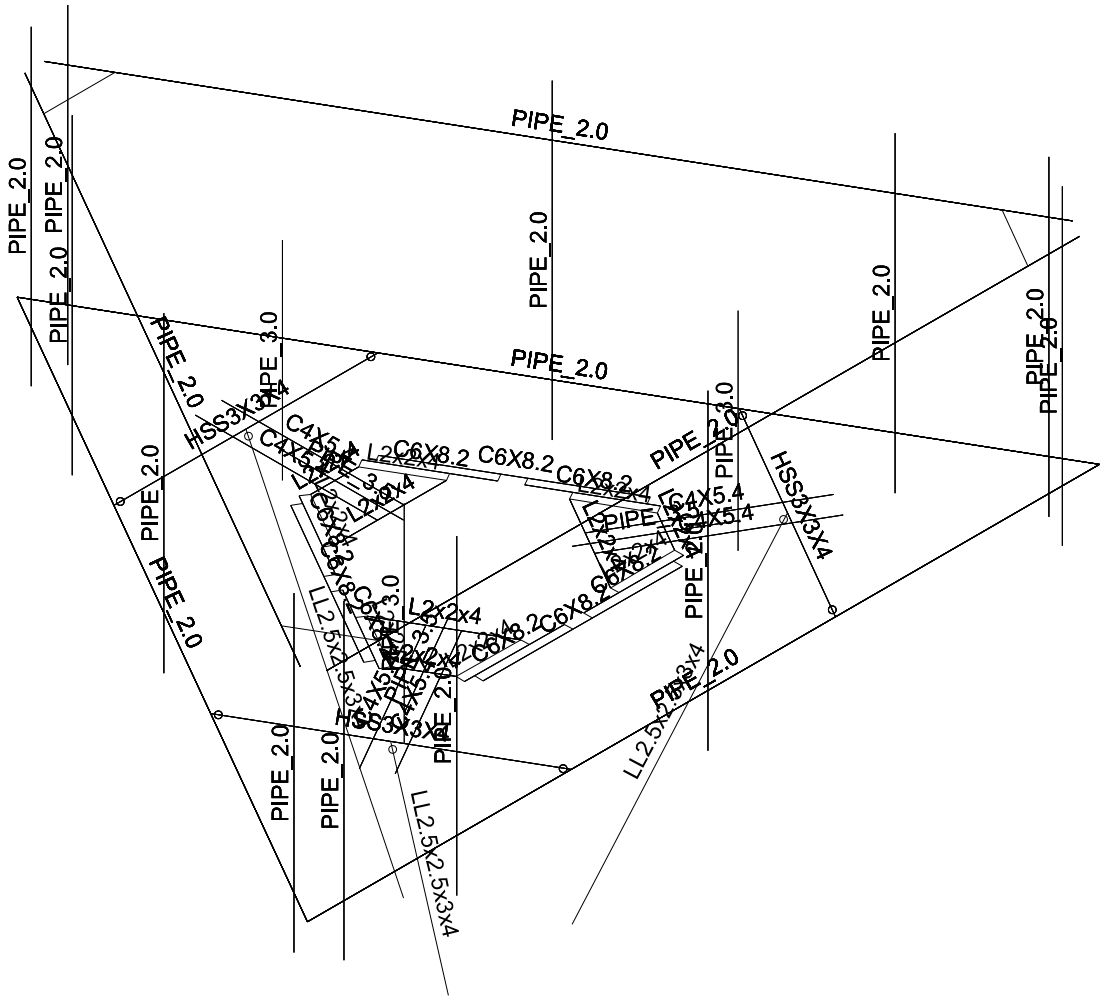

Envelope Only Solution

Tower Engineering Profess...	BU# 855662 - WINDSORCENTRAL	SK - 5
LEG		Nov 1, 2019 at 12:28 PM
TEP No. 58885.317809		Mount Rev H.r3d

APPENDIX B

SOFTWARE INPUT CALCULATIONS

TOWER ENGINEERING PROFESSIONALS

BU# 855662 - WINDSORCENTRAL

TEP No.	58885.317809	
Analysis By:	LEG	11/1/2019
Checked By:	HBC	11/1/2019

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:	2.00	inches
Mount Centerline:	126.0	ft
Antenna Centerline:	127.0	ft
Exposure Category:	C	
Topo Category:	1	
Risk Category:	II	
Ground Elevation:	115	ft

Wind Calculations:

K_{zt}:	1.000	Section 2.6.6
K_d:	0.950	
$K_{z\text{-}Mount}$:	1.329	Section 2.6.5.2
$K_{z\text{-}Antenna}$:	1.331	Section 2.6.5.2
K_{iz}:	1.144	Section 2.6.10
Ice Thickness:	2.288	inches - Section 2.6.10

Without Ice - (psf)		With Ice - (psf)	
$(q_zG_h)_{Mount}$:	50.28	**$(q_zG_h)_{Mount}$:**	8.05
$(q_zG_h)_{Antenna}$:	50.37	**$(q_zG_h)_{Antenna}$:**	8.06

Seismic Code Revisions:	TIA-222-H
Seismic Risk Category:	II

Seismic Input

S_{DS}:	0.191	Design Short Period Spectral Accel.
I_p:	1.0	Importance Factor
R_p:	2.0	Response Modification Factor
ρ:	1.0	
A_s:	1.0	Applification Factor - TIA-222-H Section 2.7.8.1
S_1:	0.064	Short Period Spectral Accel.

Seismic Design Force

Cs:	0.096	kips/kip	TIA-H Sec 2.7.7.1.1
Cs-min:	0.030	kips/kip	TIA-H Sec 2.7.7.1.1

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,%)
SAMSUNG TELECOMMUNICATIONS	CBRS	16.16	11.39	5.45	23.14	0.00	1	Flat	MP-1	3.00		
COMMSCOPE	SBNHH-1D65B (x2)	72.90	23.80	7.10	81.20	0.00	1	Flat	MP-2	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	10.00	15.00	84.40	0.00	1	Flat	MP-2	3.00		
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	8.10	15.00	70.30	0.00	1	Flat	MP-2	3.00		
ANTEL	BXA-70063-4CF-EDIN-X	47.40	11.20	5.20	9.90	0.00	1	Flat	MP-4	1.00	4.00	
SAMSUNG TELECOMMUNICATIONS	CBRS	16.16	11.39	5.45	23.14	120.00	1	Flat	MP-5	3.00		
COMMSCOPE	SBNHH-1D65B (x2)	72.90	23.80	7.10	81.20	120.00	1	Flat	MP-6	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	10.00	15.00	84.40	120.00	1	Flat	MP-6	3.00		
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	8.10	15.00	70.30	120.00	1	Flat	MP-6	3.00		
ANTEL	BXA-70063-4CF-EDIN-X	47.40	11.20	5.20	9.90	120.00	1	Flat	MP-8	1.00	4.00	
SAMSUNG TELECOMMUNICATIONS	CBRS	16.16	11.39	5.45	23.14	240.00	1	Flat	MP-9	3.00		
COMMSCOPE	SBNHH-1D65B (x2)	72.90	23.80	7.10	81.20	240.00	1	Flat	MP-10	0.50	5.50	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	10.00	15.00	84.40	240.00	1	Flat	MP-10	3.00		
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	8.10	15.00	70.30	240.00	1	Flat	MP-10	3.00		
RFS/CELWAVE	DB-T1-6Z-8AB-0Z	24.00	24.00	10.00	44.00	240.00	1	Flat	MP-11	3.00		
ANTEL	BXA-70063-4CF-EDIN-X	47.40	11.20	5.20	9.90	240.00	1	Flat	MP-12	1.00	4.00	
SAMSUNG TELECOMMUNICATIONS	20W CBRS	12.10	8.50	4.10	18.64	0.00	1	Flat	RRU-1	2.00		
SAMSUNG TELECOMMUNICATIONS	20W CBRS	12.10	8.50	4.10	18.64	120.00	1	Flat	RRU-2	2.00		
SAMSUNG TELECOMMUNICATIONS	20W CBRS	12.10	8.50	4.10	18.64	240.00	1	Flat	RRU-3	2.00		

TOWER ENGINEERING PROFESSIONALS

BU# 855662 - WINDSORCENTRAL

TEP No.	58885.317809	
Analysis By:	LEG	11/1/2019
Checked By:	HBC	11/1/2019

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

Member Name	Wind Proj. (in)	Length (in)	Shape	θ (°)	Perimeter (in)
FFTH	2.375	183.00	Round	90.00	7.46
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
SF1-TH	2.375	183.00	Round	30.00	7.46
MP-6	2.375	72.00	Round		7.46
MP-7	2.375	72.00	Round		7.46
SF2-TH	2.375	183.00	Round	-30.00	7.46
MP-10	2.375	72.00	Round		7.46
MP-11	2.375	72.00	Round		7.46
SA-1	4.000	28.00	Round	-60.00	12.57
SA-2	4.000	28.00	Round	60.00	12.57
SA-3	4.000	28.00	Round	0.00	12.57
GSI-1	3.000	60.92	Flat	30.00	12.00
GSI-2	3.000	60.92	Flat	-30.00	12.00
GSI-3	3.000	60.92	Flat	90.00	12.00
GSI-6	2.000	26.00	Flat	90.00	8.00
GSI-9	2.000	11.00	Flat	90.00	8.00
M24	2.000	14.88	Flat	30.27	8.00
M25	2.000	14.88	Flat	-30.27	8.00
GSI-4	2.000	26.00	Flat	30.00	8.00
M28	2.000	14.88	Flat	-29.73	8.00
M29	2.000	14.88	Flat	89.73	8.00
GSI-5	2.000	26.00	Flat	-30.00	8.00
M32	2.000	14.88	Flat	-89.73	8.00
M33	2.000	14.88	Flat	29.73	8.00
GSI-7	2.000	11.00	Flat	30.00	8.00
GSI-8	2.000	11.00	Flat	-30.00	8.00
M38	6.000	23.00	Flat	90.00	19.60
M39	6.000	23.00	Flat	90.00	19.60
M44	6.000	46.00	Flat	90.00	19.60
M49	6.000	23.00	Flat	30.00	19.60
M50	6.000	23.00	Flat	30.00	19.60
M55	6.000	46.00	Flat	30.00	19.60
M60	6.000	23.00	Flat	-30.00	19.60
M61	6.000	23.00	Flat	-30.00	19.60
M66	6.000	46.00	Flat	-30.00	19.60

SA-3R	4.000	42.00	Flat	0.00	14.40
SA-3L	4.000	42.00	Flat	0.00	14.40
SA-1R	4.000	42.00	Flat	-60.00	14.40
SA-1L	4.000	42.00	Flat	-60.00	14.40
SA-2R	4.000	42.00	Flat	60.00	14.40
SA-2L	4.000	42.00	Flat	60.00	14.40
RRU-2	3.500	48.00	Round		11.00
RRU-1	3.500	48.00	Round		11.00
RRU-3	3.500	48.00	Round		11.00
MP-9	2.375	72.00	Round		7.46
MP-12	2.375	72.00	Round		7.46
MP-5	2.375	72.00	Round		7.46
MP-8	2.375	72.00	Round		7.46
FFHR	2.375	174.00	Round	90.00	7.46
SF1-HR	2.375	174.00	Round	30.00	7.46
SF2-HR	2.375	174.00	Round	-30.00	7.46
K1	2.500	84.00	Flat		15.00
K2	2.500	84.00	Flat		15.00
K3	2.500	84.00	Flat		15.00

APPENDIX C

SOFTWARE ANALYSIS OUTPUT

(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

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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 (\1E..	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.49	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.49	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 ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_2.0	Beam	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Mount Pipe	PIPE_2.0	Column	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	RRU Pipe	PIPE_3.0	Column	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
4	Internal HSS	HSS3X3X4	Beam	None	A500 Gr.B Rect	Typical	2.44	3.02	3.02	5.08
5	Support Arm	PIPE_3.5	Beam	None	A53 Gr.B	Typical	2.5	4.52	4.52	9.04
6	Support Angles	L2x2x4	Beam	None	A36 Gr.36	Typical	.944	.346	.346	.021
7	Support Arm Channels	C4X5.4	Beam	None	A36 Gr.36	Typical	1.58	.312	3.85	.04
8	Internal Channel	C6X8.2	Beam	None	A36 Gr.36	Typical	2.39	.687	13.1	.074
9	HRK14	PIPE_2.0	Beam	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	PRK-1245L	LL2.5x2.5x3x4_H...	Beam	None	A36 Gr.36	Typical	1.805	2.305	1.093	.02

Material Takeoff

	Material	Size	Pieces	Length[ft]	Weight[K]
1	General				
2	RIGID		27	8.1	0
3	Total General		27	8.1	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	C4X5.4	6	21	.1
7	A36 Gr.36	C6X8.2	9	23	.2
8	A36 Gr.36	LL2.5x2.5x3x4_HRA	3	21	.1
9	A36 Gr.36	L2x2x4	12	16.7	0
10	A500 Gr.B Rect	HSS3X3X4	3	15.2	.1

Material Takeoff (Continued)

	Material	Size	Pieces	Length[ft]	Weight[K]
11	A53 Gr.B	PIPE_2.0	18	161.2	.6
12	A53 Gr.B	PIPE_3.0	3	12	0
13	A53 Gr.B	PIPE_3.5	3	7	0
14	Total HR Steel		57	277.2	1.3

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	SA3	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	SA2	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	SA1	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N169	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
5	N170	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
6	N171	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 Horizontal	Beam	None	A53 Gr.B	Typical
2	MP-1	MP-1A	MP-1B			Mount Pipe	Column	None	A53 Gr.B	Typical
3	MP-2	MP-2A	MP-2B			Mount Pipe	Column	None	A53 Gr.B	Typical
4	MP-3	MP-3A	MP-3B			Mount Pipe	Column	None	A53 Gr.B	Typical
5	MP-4	MP-4A	MP-4B			Mount Pipe	Column	None	A53 Gr.B	Typical
6	SF1-TH	FF1	FF5			Face Horizontal	Beam	None	A53 Gr.B	Typical
7	MP-6	MP-10A	MP-10B			Mount Pipe	Column	None	A53 Gr.B	Typical
8	MP-7	MP-11A	MP-11B			Mount Pipe	Column	None	A53 Gr.B	Typical
9	SF2-TH	FF5	FF2			Face Horizontal	Beam	None	A53 Gr.B	Typical
10	MP-10	MP-18A	MP-18B			Mount Pipe	Column	None	A53 Gr.B	Typical
11	MP-11	MP-19A	MP-19B			Mount Pipe	Column	None	A53 Gr.B	Typical
12	SA-1	SA1	N53			Support Arm	Beam	None	A53 Gr.B	Typical
13	SA-2	SA2	N54			Support Arm	Beam	None	A53 Gr.B	Typical
14	SA-3	SA3	N52			Support Arm	Beam	None	A53 Gr.B	Typical
15	GSI-1	GSI1	GSI4			Internal HSS	Beam	None	A500 Gr....	Typical
16	GSI-2	GSI2	GSI5			Internal HSS	Beam	None	A500 Gr....	Typical
17	GSI-3	GSI3	GSI6			Internal HSS	Beam	None	A500 Gr....	Typical
18	GSI-6	N57	N56			Support Angles	Beam	None	A36 Gr.36	Typical
19	GSI-9	N60	N59		270	Support Angles	Beam	None	A36 Gr.36	Typical
20	M24	N60	N57		270	Support Angles	Beam	None	A36 Gr.36	Typical
21	M25	N56	N59		270	Support Angles	Beam	None	A36 Gr.36	Typical
22	GSI-4	N63	N62			Support Angles	Beam	None	A36 Gr.36	Typical
23	M28	N87	N63		270	Support Angles	Beam	None	A36 Gr.36	Typical
24	M29	N62	N86		270	Support Angles	Beam	None	A36 Gr.36	Typical
25	GSI-5	N69	N68			Support Angles	Beam	None	A36 Gr.36	Typical
26	M32	N90	N69		270	Support Angles	Beam	None	A36 Gr.36	Typical
27	M33	N68	N89		270	Support Angles	Beam	None	A36 Gr.36	Typical
28	GSI-7	N87	N86		270	Support Angles	Beam	None	A36 Gr.36	Typical
29	GSI-8	N90	N89		270	Support Angles	Beam	None	A36 Gr.36	Typical
30	M34	N86	N75			RIGID	None	None	RIGID	Typical
31	M35	N62	N73			RIGID	None	None	RIGID	Typical
32	M36	N69	N74			RIGID	None	None	RIGID	Typical
33	M37	N90	N76			RIGID	None	None	RIGID	Typical
34	M38	N77	N75			Internal Channel	Beam	None	A36 Gr.36	Typical
35	M39	N78	N76		180	Internal Channel	Beam	None	A36 Gr.36	Typical
36	M40	N79	N83			RIGID	None	None	RIGID	Typical
37	M41	N77	N81			RIGID	None	None	RIGID	Typical
38	M42	N78	N82			RIGID	None	None	RIGID	Typical
39	M43	N80	N84			RIGID	None	None	RIGID	Typical
40	M44	N84	N83		180	Internal Channel	Beam	None	A36 Gr.36	Typical
41	M45A	N89	N91			RIGID	None	None	RIGID	Typical
42	M46A	N68	N89A			RIGID	None	None	RIGID	Typical
43	M47	N57	N90A			RIGID	None	None	RIGID	Typical
44	M48	N60	N92			RIGID	None	None	RIGID	Typical

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Model Name : BU# 855662 - WINDSORCENTRAL
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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
45	M49	N93	N91			Internal Channel	Beam	None	A36 Gr.36	Typical
46	M50	N94	N92		180	Internal Channel	Beam	None	A36 Gr.36	Typical
47	M51	N95	N99			RIGID	None	None	RIGID	Typical
48	M52	N93	N97			RIGID	None	None	RIGID	Typical
49	M53	N94	N98			RIGID	None	None	RIGID	Typical
50	M54	N96	N100			RIGID	None	None	RIGID	Typical
51	M55	N100	N99		180	Internal Channel	Beam	None	A36 Gr.36	Typical
52	M56	N59	N107			RIGID	None	None	RIGID	Typical
53	M57	N56	N105			RIGID	None	None	RIGID	Typical
54	M58	N63	N106			RIGID	None	None	RIGID	Typical
55	M59	N87	N108			RIGID	None	None	RIGID	Typical
56	M60	N109	N107			Internal Channel	Beam	None	A36 Gr.36	Typical
57	M61	N110	N108		180	Internal Channel	Beam	None	A36 Gr.36	Typical
58	M62	N111	N115			RIGID	None	None	RIGID	Typical
59	M63	N109	N113			RIGID	None	None	RIGID	Typical
60	M64	N110	N114			RIGID	None	None	RIGID	Typical
61	M65	N112	N116			RIGID	None	None	RIGID	Typical
62	M66	N116	N115		180	Internal Channel	Beam	None	A36 Gr.36	Typical
63	SA-3R	N109A	N111A			Support Arm Channels	Beam	None	A36 Gr.36	Typical
64	SA-3L	N112A	N110A			Support Arm Channels	Beam	None	A36 Gr.36	Typical
65	SA-1R	N117	N119			Support Arm Channels	Beam	None	A36 Gr.36	Typical
66	SA-1L	N120	N118			Support Arm Channels	Beam	None	A36 Gr.36	Typical
67	SA-2R	N125	N127			Support Arm Channels	Beam	None	A36 Gr.36	Typical
68	SA-2L	N128	N126			Support Arm Channels	Beam	None	A36 Gr.36	Typical
69	RRU-2	N138	N135			RRU Pipe	Column	None	A53 Gr.B	Typical
70	RRU-1	N137	N134			RRU Pipe	Column	None	A53 Gr.B	Typical
71	RRU-3	N136	N133			RRU Pipe	Column	None	A53 Gr.B	Typical
72	MP-9	N127A	N129A			Mount Pipe	Column	None	A53 Gr.B	Typical
73	MP-12	N128A	N130A			Mount Pipe	Column	None	A53 Gr.B	Typical
74	MP-5	N133A	N135A			Mount Pipe	Column	None	A53 Gr.B	Typical
75	MP-8	N134A	N136A			Mount Pipe	Column	None	A53 Gr.B	Typical
76	FFHR	N157	N158			HRK14	Beam	None	A53 Gr.B	Typical
77	SF1-HR	N159	N160			HRK14	Beam	None	A53 Gr.B	Typical
78	SF2-HR	N161	N162			HRK14	Beam	None	A53 Gr.B	Typical
79	M79	N164	N165			RIGID	None	None	RIGID	Typical
80	M80	N166	N167			RIGID	None	None	RIGID	Typical
81	M81	N168	N163			RIGID	None	None	RIGID	Typical
82	K1	N49	N169			PRK-1245L	Beam	None	A36 Gr.36	Typical
83	K2	N50	N170			PRK-1245L	Beam	None	A36 Gr.36	Typical
84	K3	N51	N171			PRK-1245L	Beam	None	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	Analysis Off...	Inactive	Seismi...
1	FFTH						Yes				None
2	MP-1						Yes	** NA **			None
3	MP-2						Yes	** NA **			None
4	MP-3						Yes	** NA **			None
5	MP-4						Yes	** NA **			None
6	SF1-TH						Yes				None
7	MP-6						Yes	** NA **			None
8	MP-7						Yes	** NA **			None
9	SF2-TH						Yes				None
10	MP-10						Yes	** NA **			None
11	MP-11						Yes	** NA **			None
12	SA-1						Yes				None
13	SA-2						Yes				None
14	SA-3						Yes				None
15	GSI-1	BenPIN	BenPIN				Yes	Default			None
16	GSI-2	BenPIN	BenPIN				Yes	Default			None
17	GSI-3	BenPIN	BenPIN				Yes	Default			None
18	GSI-6						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	Analysis Off...	Inactive	Seismi...
19	GSI-9						Yes				None
20	M24						Yes				None
21	M25						Yes				None
22	GSI-4						Yes				None
23	M28						Yes				None
24	M29						Yes				None
25	GSI-5						Yes				None
26	M32						Yes				None
27	M33						Yes				None
28	GSI-7						Yes				None
29	GSI-8						Yes				None
30	M34						Yes	** NA **			None
31	M35						Yes	** NA **			None
32	M36						Yes	** NA **			None
33	M37						Yes	** NA **			None
34	M38						Yes				None
35	M39						Yes				None
36	M40						Yes	** NA **			None
37	M41						Yes	** NA **			None
38	M42						Yes	** NA **			None
39	M43						Yes	** NA **			None
40	M44						Yes				None
41	M45A						Yes	** NA **			None
42	M46A						Yes	** NA **			None
43	M47						Yes	** NA **			None
44	M48						Yes	** NA **			None
45	M49						Yes				None
46	M50						Yes				None
47	M51						Yes	** NA **			None
48	M52						Yes	** NA **			None
49	M53						Yes	** NA **			None
50	M54						Yes	** NA **			None
51	M55						Yes				None
52	M56						Yes	** NA **			None
53	M57						Yes	** NA **			None
54	M58						Yes	** NA **			None
55	M59						Yes	** NA **			None
56	M60						Yes				None
57	M61						Yes				None
58	M62						Yes	** NA **			None
59	M63						Yes	** NA **			None
60	M64						Yes	** NA **			None
61	M65						Yes	** NA **			None
62	M66						Yes				None
63	SA-3R						Yes				None
64	SA-3L						Yes				None
65	SA-1R						Yes				None
66	SA-1L						Yes				None
67	SA-2R						Yes				None
68	SA-2L						Yes				None
69	RRU-2						Yes	** NA **			None
70	RRU-1						Yes	** NA **			None
71	RRU-3						Yes	** NA **			None
72	MP-9						Yes	** NA **			None
73	MP-12						Yes	** NA **			None
74	MP-5						Yes	** NA **			None
75	MP-8						Yes	** NA **			None
76	FFHR						Yes				None
77	SF1-HR						Yes				None
78	SF2-HR						Yes				None
79	M79						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	M81						Yes	** NA **			None

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Nov 4, 2019
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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	Analysis Off...	Inactive	Seismi...
82	K1	BenPIN					Yes	Default			None
83	K2	BenPIN					Yes	Default			None
84	K3	BenPIN					Yes	Default			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
1	FFTH	Face Horizontal	15.25	5.096		Lbyy			1	1		Lateral
2	MP-1	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
3	MP-2	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
4	MP-3	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
5	MP-4	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
6	SF1-TH	Face Horizontal	15.25	5.096		Lbyy			1	1		Lateral
7	MP-6	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
8	MP-7	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
9	SF2-TH	Face Horizontal	15.25	5.096		Lbyy			1	1		Lateral
10	MP-10	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
11	MP-11	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
12	SA-1	Support Arm	2.333	1.071		Lbyy			2.1	2.1		Lateral
13	SA-2	Support Arm	2.333	1.071		Lbyy			2.1	2.1		Lateral
14	SA-3	Support Arm	2.333	1.071		Lbyy			2.1	2.1		Lateral
15	GSI-1	Internal HSS	5.077	2.29	2.54	Lbyy			1	1		Lateral
16	GSI-2	Internal HSS	5.077	2.29	2.54	Lbyy			1	1		Lateral
17	GSI-3	Internal HSS	5.077	2.29	2.54	Lbyy			1	1		Lateral
18	GSI-6	Support Angles	2.167	.833		Lbyy			.65	.65		Lateral
19	GSI-9	Support Angles	.917		.25	Lbyy			.65	.65		Lateral
20	M24	Support Angles	1.24			Lbyy			.65	.65		Lateral
21	M25	Support Angles	1.24			Lbyy			.65	.65		Lateral
22	GSI-4	Support Angles	2.167	.833		Lbyy			.65	.65		Lateral
23	M28	Support Angles	1.24			Lbyy			.65	.65		Lateral
24	M29	Support Angles	1.24			Lbyy			.65	.65		Lateral
25	GSI-5	Support Angles	2.167	.833		Lbyy			.65	.65		Lateral
26	M32	Support Angles	1.24			Lbyy			.65	.65		Lateral
27	M33	Support Angles	1.24			Lbyy			.65	.65		Lateral
28	GSI-7	Support Angles	.917		.25	Lbyy			.65	.65		Lateral
29	GSI-8	Support Angles	.917		.25	Lbyy			.65	.65		Lateral
30	M38	Internal Channel	1.917			Lbyy			.65	.65		Lateral
31	M39	Internal Channel	1.917			Lbyy			.65	.65		Lateral
32	M44	Internal Channel	3.833			Lbyy			.65	.65		Lateral
33	M49	Internal Channel	1.917			Lbyy			.65	.65		Lateral
34	M50	Internal Channel	1.917			Lbyy			.65	.65		Lateral
35	M55	Internal Channel	3.833			Lbyy			.65	.65		Lateral
36	M60	Internal Channel	1.917			Lbyy			.65	.65		Lateral
37	M61	Internal Channel	1.917			Lbyy			.65	.65		Lateral
38	M66	Internal Channel	3.833			Lbyy			.65	.65		Lateral
39	SA-3R	Support Arm Channels	3.5	1.72		Lbyy			2.1	2.1		Lateral
40	SA-3L	Support Arm Channels	3.5	1.72		Lbyy			2.1	2.1		Lateral
41	SA-1R	Support Arm Channels	3.5	1.72		Lbyy			2.1	2.1		Lateral
42	SA-1L	Support Arm Channels	3.5	1.72		Lbyy			2.1	2.1		Lateral
43	SA-2R	Support Arm Channels	3.5	1.72		Lbyy			2.1	2.1		Lateral
44	SA-2L	Support Arm Channels	3.5	1.72		Lbyy			2.1	2.1		Lateral
45	RRU-2	RRU Pipe	4	Segment	Segment				2.1	2.1		Lateral
46	RRU-1	RRU Pipe	4	Segment	Segment				2.1	2.1		Lateral
47	RRU-3	RRU Pipe	4	Segment	Segment				2.1	2.1		Lateral
48	MP-9	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
49	MP-12	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
50	MP-5	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
51	MP-8	Mount Pipe	6	Segment	Segment	Lbyy			2.1	2.1		Lateral
52	FFHR	HRK14	14.5			Lbyy			2.1	2.1		Lateral
53	SF1-HR	HRK14	14.5			Lbyy			2.1	2.1		Lateral
54	SF2-HR	HRK14	14.5			Lbyy			2.1	2.1		Lateral
55	K1	PRK-1245L	7			Lbyy			1	1		Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
56	K2	PRK-1245L	7			Lbyy			1	1		Lateral
57	K3	PRK-1245L	7			Lbyy			1	1		Lateral

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead	None		-1			25		3	
2	0 Wind - No Ice	None					25	57		
3	30 Wind - No Ice	None					50	114		
4	45 Wind - No Ice	None					50	114		
5	60 Wind - No Ice	None					50	114		
6	90 Wind - No Ice	None					25	57		
7	120 Wind - No Ice	None					50	114		
8	135 Wind - No Ice	None					50	114		
9	150 Wind - No Ice	None					50	114		
10	180 Wind - No Ice	None					25	57		
11	210 Wind - No Ice	None					50	114		
12	225 Wind - No Ice	None					50	114		
13	240 Wind - No Ice	None					50	114		
14	270 Wind - No Ice	None					25	57		
15	300 Wind - No Ice	None					50	114		
16	315 Wind - No Ice	None					50	114		
17	330 Wind - No Ice	None					50	114		
18	Ice Weight	None					25	57	3	
19	0 Wind - Ice	None					25	57		
20	30 Wind - Ice	None					50	114		
21	45 Wind - Ice	None					50	114		
22	60 Wind - Ice	None					50	114		
23	90 Wind - Ice	None					25	57		
24	120 Wind - Ice	None					50	114		
25	135 Wind - Ice	None					50	114		
26	150 Wind - Ice	None					50	114		
27	180 Wind - Ice	None					25	57		
28	210 Wind - Ice	None					50	114		
29	225 Wind - Ice	None					50	114		
30	240 Wind - Ice	None					50	114		
31	270 Wind - Ice	None					25	57		
32	300 Wind - Ice	None					50	114		
33	315 Wind - Ice	None					50	114		
34	330 Wind - Ice	None					50	114		
35	Lm	None				1				
36	Lv	None				1				
37	Seismic Load X	ELX	-1				25			
38	Seismic Load Z	ELZ			-1		25			
39	BLC 1 Transient Area...	None						39		
40	BLC 18 Transient Are...	None						39		

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.4D	Yes	Y		1	1.4																				
2	0.9D+1.0 0-Wind	Yes	Y		1	.9	2	1																		
3	0.9D+1.0 30-Wind	Yes	Y		1	.9	3	1																		
4	0.9D+1.0 45-Wind	Yes	Y		1	.9	4	1																		
5	0.9D+1.0 60-Wind	Yes	Y		1	.9	5	1																		
6	0.9D+1.0 90-Wind	Yes	Y		1	.9	6	1																		
7	0.9D+1.0 120-Wind	Yes	Y		1	.9	7	1																		
8	0.9D+1.0 135-Wind	Yes	Y		1	.9	8	1																		
9	0.9D+1.0 150-Wind	Yes	Y		1	.9	9	1																		
10	0.9D+1.0 180-Wind	Yes	Y		1	.9	10	1																		
11	0.9D+1.0 210-Wind	Yes	Y		1	.9	11	1																		
12	0.9D+1.0 225-Wind	Yes	Y		1	.9	12	1																		

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
13	0.9D+1.0 240-Wind	Yes	Y		1	.9	13	1																		
14	0.9D+1.0 270-Wind	Yes	Y		1	.9	14	1																		
15	0.9D+1.0 300-Wind	Yes	Y		1	.9	15	1																		
16	0.9D+1.0 315-Wind	Yes	Y		1	.9	16	1																		
17	0.9D+1.0 330-Wind	Yes	Y		1	.9	17	1																		
18	1.2D+1.0 0-Wind	Yes	Y		1	1.2	2	1																		
19	1.2D+1.0 30-Wind	Yes	Y		1	1.2	3	1																		
20	1.2D+1.0 45-Wind	Yes	Y		1	1.2	4	1																		
21	1.2D+1.0 60-Wind	Yes	Y		1	1.2	5	1																		
22	1.2D+1.0 90-Wind	Yes	Y		1	1.2	6	1																		
23	1.2D+1.0 120-Wind	Yes	Y		1	1.2	7	1																		
24	1.2D+1.0 135-Wind	Yes	Y		1	1.2	8	1																		
25	1.2D+1.0 150-Wind	Yes	Y		1	1.2	9	1																		
26	1.2D+1.0 180-Wind	Yes	Y		1	1.2	10	1																		
27	1.2D+1.0 210-Wind	Yes	Y		1	1.2	11	1																		
28	1.2D+1.0 225-Wind	Yes	Y		1	1.2	12	1																		
29	1.2D+1.0 240-Wind	Yes	Y		1	1.2	13	1																		
30	1.2D+1.0 270-Wind	Yes	Y		1	1.2	14	1																		
31	1.2D+1.0 300-Wind	Yes	Y		1	1.2	15	1																		
32	1.2D+1.0 315-Wind	Yes	Y		1	1.2	16	1																		
33	1.2D+1.0 330-Wind	Yes	Y		1	1.2	17	1																		
34	1.2D+1.0Di+1.0 0-...	Yes	Y		1	1.2	18	1	19	1																
35	1.2D+1.0Di+1.0 30-...	Yes	Y		1	1.2	18	1	20	1																
36	1.2D+1.0Di+1.0 45-...	Yes	Y		1	1.2	18	1	21	1																
37	1.2D+1.0Di+1.0 60-...	Yes	Y		1	1.2	18	1	22	1																
38	1.2D+1.0Di+1.0 90-...	Yes	Y		1	1.2	18	1	23	1																
39	1.2D+1.0Di+1.0 12...	Yes	Y		1	1.2	18	1	24	1																
40	1.2D+1.0Di+1.0 13...	Yes	Y		1	1.2	18	1	25	1																
41	1.2D+1.0Di+1.0 15...	Yes	Y		1	1.2	18	1	26	1																
42	1.2D+1.0Di+1.0 18...	Yes	Y		1	1.2	18	1	27	1																
43	1.2D+1.0Di+1.0 21...	Yes	Y		1	1.2	18	1	28	1																
44	1.2D+1.0Di+1.0 22...	Yes	Y		1	1.2	18	1	29	1																
45	1.2D+1.0Di+1.0 24...	Yes	Y		1	1.2	18	1	30	1																
46	1.2D+1.0Di+1.0 27...	Yes	Y		1	1.2	18	1	31	1																
47	1.2D+1.0Di+1.0 30...	Yes	Y		1	1.2	18	1	32	1																
48	1.2D+1.0Di+1.0 31...	Yes	Y		1	1.2	18	1	33	1																
49	1.2D+1.0Di+1.0 33...	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+1.0 0-...	Yes	Y		1	1.2	2	.058	35	1.5																
52	1.2D+1.5Lm+1.0 3...	Yes	Y		1	1.2	3	.058	35	1.5																
53	1.2D+1.5Lm+1.0 4...	Yes	Y		1	1.2	4	.058	35	1.5																
54	1.2D+1.5Lm+1.0 6...	Yes	Y		1	1.2	5	.058	35	1.5																
55	1.2D+1.5Lm+1.0 9...	Yes	Y		1	1.2	6	.058	35	1.5																
56	1.2D+1.5Lm+1.0 1...	Yes	Y		1	1.2	7	.058	35	1.5																
57	1.2D+1.5Lm+1.0 1...	Yes	Y		1	1.2	8	.058	35	1.5																
58	1.2D+1.5Lm+1.0 1...	Yes	Y		1	1.2	9	.058	35	1.5																
59	1.2D+1.5Lm+1.0 1...	Yes	Y		1	1.2	10	.058	35	1.5																
60	1.2D+1.5Lm+1.0 2...	Yes	Y		1	1.2	11	.058	35	1.5																
61	1.2D+1.5Lm+1.0 2...	Yes	Y		1	1.2	12	.058	35	1.5																
62	1.2D+1.5Lm+1.0 2...	Yes	Y		1	1.2	13	.058	35	1.5																
63	1.2D+1.5Lm+1.0 2...	Yes	Y		1	1.2	14	.058	35	1.5																
64	1.2D+1.5Lm+1.0 3...	Yes	Y		1	1.2	15	.058	35	1.5																
65	1.2D+1.5Lm+1.0 3...	Yes	Y		1	1.2	16	.058	35	1.5																
66	1.2D+1.5Lm+1.0 3...	Yes	Y		1	1.2	17	.058	35	1.5																
67	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	.096	0																	
68	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	.083	ELZ	.048																
69	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	.068	ELZ	.068																
70	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	.048	ELZ	.083																
71	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	0		ELZ	.096																
72	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	-.048	ELZ	.083																
73	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	-.068	ELZ	.068																
74	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	-.083	ELZ	.048																
75	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	-.096	0																	

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
76	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	-.083	ELZ	-.048														
77	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	-.068	ELZ	-.068														
78	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	-.048	ELZ	-.083														
79	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	0		ELZ	-.096														
80	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	.048	ELZ	-.083														
81	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	.068	ELZ	-.068														
82	(1.2+0.2Sds)D+1.0 ...	Yes	Y		1	1.238	ELX	.083	ELZ	-.048														
83	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	.096	0															
84	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	.083	ELZ	.048														
85	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	.068	ELZ	.068														
86	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	.048	ELZ	.083														
87	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	0		ELZ	.096														
88	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	-.048	ELZ	.083														
89	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	-.068	ELZ	.068														
90	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	-.083	ELZ	.048														
91	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	-.096	0															
92	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	-.083	ELZ	-.048														
93	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	-.068	ELZ	-.068														
94	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	-.048	ELZ	-.083														
95	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	0		ELZ	-.096														
96	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	.048	ELZ	-.083														
97	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	.068	ELZ	-.068														
98	(0.9-0.2Sds)*DL+1....	Yes	Y		1	.862	ELX	.083	ELZ	-.048														

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	FF1	4.402296	0	-7.625	0	
2	FF2	4.402296	0	7.625	0	
3	MP-1A	4.402296	5	-6.91666	0	
4	MP-2A	4.402296	5	-0.083333	0	
5	MP-3A	4.402296	5	4.75	0	
6	MP-4A	4.402296	5	6.91666	0	
7	MP-1B	4.402296	-1	-6.91666	0	
8	MP-2B	4.402296	-1	-0.083333	0	
9	MP-3B	4.402296	-1	4.75	0	
10	MP-4B	4.402296	-1	6.91666	0	
11	FF5	-8.804592	0	0	0	
12	MP-10A	-2.128979	5	3.854166	0	
13	MP-11A	-6.314769	5	1.4375	0	
14	MP-10B	-2.128979	-1	3.854166	0	
15	MP-11B	-6.314769	-1	1.4375	0	
16	MP-18A	-2.273316	5	-3.770834	0	
17	MP-19A	1.912473	5	-6.1875	0	
18	MP-18B	-2.273316	-1	-3.770834	0	
19	MP-19B	1.912473	-1	-6.1875	0	
20	SA1	0.6875	0	1.190785	0	
21	SA2	0.6875	0	-1.190785	0	
22	SA3	-1.375	0	0	0	
23	GSI1	4.402296	0	2.548191	0	
24	GSI2	4.402296	0	-2.548191	0	
25	GSI3	-4.407946	0	2.538405	0	
26	GSI4	0.00565	0	5.086595	0	
27	GSI5	0.00565	0	-5.086595	0	
28	GSI6	-4.407946	0	-2.538405	0	
29	N37	4.402296	0	-6.91666	0	
30	N38	4.402296	0	-0.083333	0	
31	N39	4.402296	0	4.75	0	
32	N40	4.402296	0	6.91666	0	
33	N42	-2.273316	0	-3.770834	0	
34	N43	1.912473	0	-6.1875	0	
35	N46	-2.128979	0	3.854166	0	

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

Nov 4, 2019
9:45 AM
Checked By: HBC

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
36	N47	-6.314769	0	1.4375	0	
37	N49	2.203973	0	3.817393	0	
38	N50	2.203973	0	-3.817393	0	
39	N51	-4.407946	0	0	0	
40	N52	-3.708	0	0	0	
41	N53	1.854	0	3.211222	0	
42	N54	1.854	0	-3.211222	0	
43	N55	-1.625	0	0	0	
44	N56	-1.625	0	1.083333	0	
45	N57	-1.625	0	-1.083333	0	
46	N58	-2.696	0	0	0	
47	N59	-2.696	0	0.458333	0	
48	N60	-2.696	0	-0.458333	0	
49	N61	0.8125	0	1.407291	0	
50	N62	1.750694	0	0.865625	0	
51	N63	-0.125694	0	1.948958	0	
52	N67	0.8125	0	-1.407291	0	
53	N68	-0.125694	0	-1.948958	0	
54	N69	1.750694	0	-0.865625	0	
55	N85	1.348	0	2.334804	0	
56	N86	1.744928	0	2.105638	0	
57	N87	0.951072	0	2.563971	0	
58	N88	1.348	0	-2.334804	0	
59	N89	0.951072	0	-2.563971	0	
60	N90	1.744928	0	-2.105638	0	
61	N73	1.911595	0	0.865625	0	
62	N74	1.911595	0	-0.865625	0	
63	N75	1.911595	0	2.105638	0	
64	N76	1.911595	0	-2.105638	0	
65	N77	1.911595	0	0.188971	0	
66	N78	1.911595	0	-0.188971	0	
67	N79	1.911595	0	1.916665	0	
68	N80	1.911595	0	-1.916665	0	
69	N81	2.078258	0	0.188971	0	
70	N82	2.078258	0	-0.188971	0	
71	N83	2.078258	0	1.916665	0	
72	N84	2.078258	0	-1.916665	0	
73	N89A	-0.206144	0	-2.088302	0	
74	N90A	-1.705451	0	-1.222677	0	
75	N91	0.867738	0	-2.708309	0	
76	N92	-2.779333	0	-0.602671	0	
77	N93	-0.792144	0	-1.749975	0	
78	N94	-1.119451	0	-1.561004	0	
79	N95	0.704083	0	-2.613822	0	
80	N96	-2.615678	0	-0.697158	0	
81	N97	-0.875475	0	-1.89431	0	
82	N98	-1.202783	0	-1.705339	0	
83	N99	0.620751	0	-2.758157	0	
84	N100	-2.699009	0	-0.841492	0	
85	N105	-1.705451	0	1.222677	0	
86	N106	-0.206144	0	2.088302	0	
87	N107	-2.779333	0	0.602671	0	
88	N108	0.867738	0	2.708309	0	
89	N109	-1.119451	0	1.561004	0	
90	N110	-0.792144	0	1.749975	0	
91	N111	-2.615678	0	0.697158	0	
92	N112	0.704083	0	2.613822	0	
93	N113	-1.202783	0	1.705339	0	
94	N114	-0.875475	0	1.89431	0	
95	N115	-2.699009	0	0.841492	0	
96	N116	0.620751	0	2.758157	0	
97	N109A	-1.625	0	-.25	0	
98	N110A	-1.625	0	.25	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
99	N111A	-5.125	0	-.25	0	
100	N112A	-5.125	0	.25	0	
101	N117A	-4.407946	0	-.25	0	
102	N118A	-4.407946	0	.25	0	
103	N119A	-2.696	0	-.25	0	
104	N120A	-2.696	0	.25	0	
105	N117	0.595994	0	1.532291	0	
106	N118	1.029006	0	1.282291	0	
107	N119	2.345994	0	4.56338	0	
108	N120	2.779006	0	4.31338	0	
109	N121	1.987466	0	3.942393	0	
110	N122	2.420479	0	3.692393	0	
111	N123	1.131494	0	2.459804	0	
112	N124	1.564506	0	2.209804	0	
113	N125	1.029006	0	-1.282291	0	
114	N126	0.595994	0	-1.532291	0	
115	N127	2.779006	0	-4.31338	0	
116	N128	2.345994	0	-4.56338	0	
117	N129	2.420479	0	-3.692393	0	
118	N130	1.987466	0	-3.942393	0	
119	N131	1.564506	0	-2.209804	0	
120	N132	1.131494	0	-2.459804	0	
121	N133	-3.708	-.5	0	0	
122	N134	1.854	-.5	3.211222	0	
123	N135	1.854	-.5	-3.211222	0	
124	N136	-3.708	3.5	0	0	
125	N137	1.854	3.5	3.211222	0	
126	N138	1.854	3.5	-3.211222	0	
127	N127A	-8.191151	5	-0.35417	0	
128	N128A	3.788855	5	-7.27083	0	
129	N129A	-8.191151	-1	-0.35417	0	
130	N130A	3.788855	-1	-7.27083	0	
131	N131A	-8.191151	0	-0.35417	0	
132	N132A	3.788855	0	-7.27083	0	
133	N133A	3.788855	5	7.27083	0	
134	N134A	-8.191151	5	0.35417	0	
135	N135A	3.788855	-1	7.27083	0	
136	N136A	-8.191151	-1	0.35417	0	
137	N137A	3.788855	0	7.27083	0	
138	N138A	-8.191151	0	0.35417	0	
139	N139	4.402296	0	7.24999	0	
140	N140	4.402296	0	-7.24999	0	
141	N141	4.077528	0	-7.437495	0	
142	N142	-8.479823	0	-0.187505	0	
143	N143	-8.479823	0	0.187505	0	
144	N144	4.077528	0	7.437495	0	
145	N145	4.402296	4	-6.91666	0	
146	N146	4.402296	4	-0.083333	0	
147	N147	4.402296	4	4.75	0	
148	N148	4.402296	4	6.91666	0	
149	N149	-2.273316	4	-3.770834	0	
150	N150	1.912473	4	-6.1875	0	
151	N151	-2.128979	4	3.854166	0	
152	N152	-6.314769	4	1.4375	0	
153	N153	-8.191151	4	-0.35417	0	
154	N154	3.788855	4	-7.27083	0	
155	N155	3.788855	4	7.27083	0	
156	N156	-8.191151	4	0.35417	0	
157	N157	4.402296	4	7.24999	0	
158	N158	4.402296	4	-7.24999	0	
159	N159	4.077528	4	-7.437495	0	
160	N160	-8.479823	4	-0.187505	0	
161	N161	-8.479823	4	0.187505	0	

Company : Tower Engineering Professionals, Inc.
Designer : LEG
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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
162	N162	4.077528	4	7.437495	0	
163	N163	4.402296	4	6.24999	0	
164	N164	4.402296	4	-6.24999	0	
165	N165	3.211502	4	-6.937495	0	
166	N166	-7.613798	4	-0.687505	0	
167	N167	-7.613798	4	0.687505	0	
168	N168	3.211502	4	6.937495	0	
169	N169	0.6875	-6.309	1.190785	0	
170	N170	0.6875	-6.309	-1.190785	0	
171	N171	-1.375	-6.309	0	0	
172	N172	-6.804592	0	0	0	
173	N173	3.402296	0	5.892949	0	
174	N174	3.402296	0	-5.892949	0	

Joint Loads and Enforced Displacements (BLC 35 : Lm)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	N40	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/f...
1	FF2	L	Y	-.25

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.023	3
2	MP-2	Y	-.041	.5
3	MP-2	Y	-.084	3
4	MP-2	Y	-.07	3
5	MP-4	Y	-.005	1
6	MP-5	Y	-.023	3
7	MP-6	Y	-.041	.5
8	MP-6	Y	-.084	3
9	MP-6	Y	-.07	3
10	MP-8	Y	-.005	1
11	MP-9	Y	-.023	3
12	MP-10	Y	-.041	.5
13	MP-10	Y	-.084	3
14	MP-10	Y	-.07	3
15	MP-11	Y	-.044	3
16	MP-12	Y	-.005	1
17	RRU-1	Y	-.019	2
18	RRU-2	Y	-.019	2
19	RRU-3	Y	-.019	2
20	MP-2	Y	-.041	5.5
21	MP-4	Y	-.005	4
22	MP-6	Y	-.041	5.5
23	MP-8	Y	-.005	4
24	MP-10	Y	-.041	5.5
25	MP-12	Y	-.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.07	3
2	MP-2	X	-.335	.5
3	MP-2	X	-.057	3
4	MP-2	X	-.046	3
5	MP-4	X	-.107	1
6	MP-5	X	-.043	3
7	MP-6	X	-.176	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
8	MP-6	X	-.078	3
9	MP-6	X	-.075	3
10	MP-8	X	-.069	1
11	MP-9	X	-.043	3
12	MP-10	X	-.176	.5
13	MP-10	X	-.078	3
14	MP-10	X	-.075	3
15	MP-11	X	-.122	3
16	MP-12	X	-.069	1
17	RRU-1	X	-.039	2
18	RRU-2	X	-.024	2
19	RRU-3	X	-.024	2
20	MP-2	X	-.335	5.5
21	MP-4	X	-.107	4
22	MP-6	X	-.176	5.5
23	MP-8	X	-.069	4
24	MP-10	X	-.176	5.5
25	MP-12	X	-.069	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.052	3
2	MP-2	X	-.244	.5
3	MP-2	X	-.055	3
4	MP-2	X	-.048	3
5	MP-4	X	-.082	1
6	MP-5	X	-.029	3
7	MP-6	X	-.106	.5
8	MP-6	X	-.074	3
9	MP-6	X	-.074	3
10	MP-8	X	-.049	1
11	MP-9	X	-.052	3
12	MP-10	X	-.244	.5
13	MP-10	X	-.055	3
14	MP-10	X	-.048	3
15	MP-11	X	-.161	3
16	MP-12	X	-.082	1
17	RRU-1	X	-.029	2
18	RRU-2	X	-.017	2
19	RRU-3	X	-.029	2
20	MP-2	X	-.244	5.5
21	MP-4	X	-.082	4
22	MP-6	X	-.106	5.5
23	MP-8	X	-.049	4
24	MP-10	X	-.244	5.5
25	MP-12	X	-.082	4
26	MP-1	Z	-.03	3
27	MP-2	Z	-.141	.5
28	MP-2	Z	-.032	3
29	MP-2	Z	-.028	3
30	MP-4	Z	-.047	1
31	MP-5	Z	-.017	3
32	MP-6	Z	-.061	.5
33	MP-6	Z	-.042	3
34	MP-6	Z	-.042	3
35	MP-8	Z	-.029	1
36	MP-9	Z	-.03	3
37	MP-10	Z	-.141	.5
38	MP-10	Z	-.032	3
39	MP-10	Z	-.028	3
40	MP-11	Z	-.093	3
41	MP-12	Z	-.047	1

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Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
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Member Point Loads (BLC 3 : 30 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
42	RRU-1	Z	-.017	2
43	RRU-2	Z	-.01	2
44	RRU-3	Z	-.017	2
45	MP-2	Z	-.141	5.5
46	MP-4	Z	-.047	4
47	MP-6	Z	-.061	5.5
48	MP-8	Z	-.029	4
49	MP-10	Z	-.141	5.5
50	MP-12	Z	-.047	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.037	3
2	MP-2	X	-.162	.5
3	MP-2	X	-.05	3
4	MP-2	X	-.046	3
5	MP-4	X	-.058	1
6	MP-5	X	-.026	3
7	MP-6	X	-.097	.5
8	MP-6	X	-.059	3
9	MP-6	X	-.058	3
10	MP-8	X	-.043	1
11	MP-9	X	-.047	3
12	MP-10	X	-.227	.5
13	MP-10	X	-.041	3
14	MP-10	X	-.034	3
15	MP-11	X	-.148	3
16	MP-12	X	-.073	1
17	RRU-1	X	-.02	2
18	RRU-2	X	-.014	2
19	RRU-3	X	-.027	2
20	MP-2	X	-.162	5.5
21	MP-4	X	-.058	4
22	MP-6	X	-.097	5.5
23	MP-8	X	-.043	4
24	MP-10	X	-.227	5.5
25	MP-12	X	-.073	4
26	MP-1	Z	-.037	3
27	MP-2	Z	-.162	.5
28	MP-2	Z	-.05	3
29	MP-2	Z	-.046	3
30	MP-4	Z	-.058	1
31	MP-5	Z	-.026	3
32	MP-6	Z	-.097	.5
33	MP-6	Z	-.059	3
34	MP-6	Z	-.058	3
35	MP-8	Z	-.043	1
36	MP-9	Z	-.047	3
37	MP-10	Z	-.227	.5
38	MP-10	Z	-.041	3
39	MP-10	Z	-.034	3
40	MP-11	Z	-.148	3
41	MP-12	Z	-.073	1
42	RRU-1	Z	-.02	2
43	RRU-2	Z	-.014	2
44	RRU-3	Z	-.027	2
45	MP-2	Z	-.162	5.5
46	MP-4	Z	-.058	4
47	MP-6	Z	-.097	5.5
48	MP-8	Z	-.043	4
49	MP-10	Z	-.227	5.5
50	MP-12	Z	-.073	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.021	3
2	MP-2	X	-.088	.5
3	MP-2	X	-.039	3
4	MP-2	X	-.038	3
5	MP-4	X	-.035	1
6	MP-5	X	-.021	3
7	MP-6	X	-.088	.5
8	MP-6	X	-.039	3
9	MP-6	X	-.038	3
10	MP-8	X	-.035	1
11	MP-9	X	-.035	3
12	MP-10	X	-.167	.5
13	MP-10	X	-.028	3
14	MP-10	X	-.023	3
15	MP-11	X	-.109	3
16	MP-12	X	-.053	1
17	RRU-1	X	-.012	2
18	RRU-2	X	-.012	2
19	RRU-3	X	-.019	2
20	MP-2	X	-.088	5.5
21	MP-4	X	-.035	4
22	MP-6	X	-.088	5.5
23	MP-8	X	-.035	4
24	MP-10	X	-.167	5.5
25	MP-12	X	-.053	4
26	MP-1	Z	-.037	3
27	MP-2	Z	-.152	.5
28	MP-2	Z	-.067	3
29	MP-2	Z	-.065	3
30	MP-4	Z	-.06	1
31	MP-5	Z	-.037	3
32	MP-6	Z	-.152	.5
33	MP-6	Z	-.067	3
34	MP-6	Z	-.065	3
35	MP-8	Z	-.06	1
36	MP-9	Z	-.06	3
37	MP-10	Z	-.29	.5
38	MP-10	Z	-.049	3
39	MP-10	Z	-.04	3
40	MP-11	Z	-.188	3
41	MP-12	Z	-.092	1
42	RRU-1	Z	-.021	2
43	RRU-2	Z	-.021	2
44	RRU-3	Z	-.034	2
45	MP-2	Z	-.152	5.5
46	MP-4	Z	-.06	4
47	MP-6	Z	-.152	5.5
48	MP-8	Z	-.06	4
49	MP-10	Z	-.29	5.5
50	MP-12	Z	-.092	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.034	3
2	MP-2	Z	-.123	.5
3	MP-2	Z	-.085	3
4	MP-2	Z	-.085	3
5	MP-4	Z	-.057	1
6	MP-5	Z	-.061	3
7	MP-6	Z	-.282	.5
8	MP-6	Z	-.064	3
9	MP-6	Z	-.056	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP-8	Z	-.094	1
11	MP-9	Z	-.061	3
12	MP-10	Z	-.282	.5
13	MP-10	Z	-.064	3
14	MP-10	Z	-.056	3
15	MP-11	Z	-.186	3
16	MP-12	Z	-.094	1
17	RRU-1	Z	-.019	2
18	RRU-2	Z	-.034	2
19	RRU-3	Z	-.034	2
20	MP-2	Z	-.123	5.5
21	MP-4	Z	-.057	4
22	MP-6	Z	-.282	5.5
23	MP-8	Z	-.094	4
24	MP-10	Z	-.282	5.5
25	MP-12	Z	-.094	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.021	3
2	MP-2	X	.088	.5
3	MP-2	X	.039	3
4	MP-2	X	.038	3
5	MP-4	X	.035	1
6	MP-5	X	.035	3
7	MP-6	X	.167	.5
8	MP-6	X	.028	3
9	MP-6	X	.023	3
10	MP-8	X	.053	1
11	MP-9	X	.021	3
12	MP-10	X	.088	.5
13	MP-10	X	.039	3
14	MP-10	X	.038	3
15	MP-11	X	.061	3
16	MP-12	X	.035	1
17	RRU-1	X	.012	2
18	RRU-2	X	.019	2
19	RRU-3	X	.012	2
20	MP-2	X	.088	5.5
21	MP-4	X	.035	4
22	MP-6	X	.167	5.5
23	MP-8	X	.053	4
24	MP-10	X	.088	5.5
25	MP-12	X	.035	4
26	MP-1	Z	-.037	3
27	MP-2	Z	-.152	.5
28	MP-2	Z	-.067	3
29	MP-2	Z	-.065	3
30	MP-4	Z	-.06	1
31	MP-5	Z	-.06	3
32	MP-6	Z	-.29	.5
33	MP-6	Z	-.049	3
34	MP-6	Z	-.04	3
35	MP-8	Z	-.092	1
36	MP-9	Z	-.037	3
37	MP-10	Z	-.152	.5
38	MP-10	Z	-.067	3
39	MP-10	Z	-.065	3
40	MP-11	Z	-.106	3
41	MP-12	Z	-.06	1
42	RRU-1	Z	-.021	2
43	RRU-2	Z	-.034	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
44	RRU-3	Z	-.021	2
45	MP-2	Z	-.152	5.5
46	MP-4	Z	-.06	4
47	MP-6	Z	-.29	5.5
48	MP-8	Z	-.092	4
49	MP-10	Z	-.152	5.5
50	MP-12	Z	-.06	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.037	3
2	MP-2	X	.162	.5
3	MP-2	X	.05	3
4	MP-2	X	.046	3
5	MP-4	X	.058	1
6	MP-5	X	.047	3
7	MP-6	X	.227	.5
8	MP-6	X	.041	3
9	MP-6	X	.034	3
10	MP-8	X	.073	1
11	MP-9	X	.026	3
12	MP-10	X	.097	.5
13	MP-10	X	.059	3
14	MP-10	X	.058	3
15	MP-11	X	.07	3
16	MP-12	X	.043	1
17	RRU-1	X	.02	2
18	RRU-2	X	.027	2
19	RRU-3	X	.014	2
20	MP-2	X	.162	5.5
21	MP-4	X	.058	4
22	MP-6	X	.227	5.5
23	MP-8	X	.073	4
24	MP-10	X	.097	5.5
25	MP-12	X	.043	4
26	MP-1	Z	-.037	3
27	MP-2	Z	-.162	.5
28	MP-2	Z	-.05	3
29	MP-2	Z	-.046	3
30	MP-4	Z	-.058	1
31	MP-5	Z	-.047	3
32	MP-6	Z	-.227	.5
33	MP-6	Z	-.041	3
34	MP-6	Z	-.034	3
35	MP-8	Z	-.073	1
36	MP-9	Z	-.026	3
37	MP-10	Z	-.097	.5
38	MP-10	Z	-.059	3
39	MP-10	Z	-.058	3
40	MP-11	Z	-.07	3
41	MP-12	Z	-.043	1
42	RRU-1	Z	-.02	2
43	RRU-2	Z	-.027	2
44	RRU-3	Z	-.014	2
45	MP-2	Z	-.162	5.5
46	MP-4	Z	-.058	4
47	MP-6	Z	-.227	5.5
48	MP-8	Z	-.073	4
49	MP-10	Z	-.097	5.5
50	MP-12	Z	-.043	4

Company : Tower Engineering Professionals, Inc.
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Member Point Loads (BLC 9 : 150 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.052	3
2	MP-2	X	.244	.5
3	MP-2	X	.055	3
4	MP-2	X	.048	3
5	MP-4	X	.082	1
6	MP-5	X	.052	3
7	MP-6	X	.244	.5
8	MP-6	X	.055	3
9	MP-6	X	.048	3
10	MP-8	X	.082	1
11	MP-9	X	.029	3
12	MP-10	X	.106	.5
13	MP-10	X	.074	3
14	MP-10	X	.074	3
15	MP-11	X	.079	3
16	MP-12	X	.049	1
17	RRU-1	X	.029	2
18	RRU-2	X	.029	2
19	RRU-3	X	.017	2
20	MP-2	X	.244	5.5
21	MP-4	X	.082	4
22	MP-6	X	.244	5.5
23	MP-8	X	.082	4
24	MP-10	X	.106	5.5
25	MP-12	X	.049	4
26	MP-1	Z	-.03	3
27	MP-2	Z	-.141	.5
28	MP-2	Z	-.032	3
29	MP-2	Z	-.028	3
30	MP-4	Z	-.047	1
31	MP-5	Z	-.03	3
32	MP-6	Z	-.141	.5
33	MP-6	Z	-.032	3
34	MP-6	Z	-.028	3
35	MP-8	Z	-.047	1
36	MP-9	Z	-.017	3
37	MP-10	Z	-.061	.5
38	MP-10	Z	-.042	3
39	MP-10	Z	-.042	3
40	MP-11	Z	-.045	3
41	MP-12	Z	-.029	1
42	RRU-1	Z	-.017	2
43	RRU-2	Z	-.017	2
44	RRU-3	Z	-.01	2
45	MP-2	Z	-.141	5.5
46	MP-4	Z	-.047	4
47	MP-6	Z	-.141	5.5
48	MP-8	Z	-.047	4
49	MP-10	Z	-.061	5.5
50	MP-12	Z	-.029	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.07	3
2	MP-2	X	.335	.5
3	MP-2	X	.057	3
4	MP-2	X	.046	3
5	MP-4	X	.107	1
6	MP-5	X	.043	3
7	MP-6	X	.176	.5
8	MP-6	X	.078	3
9	MP-6	X	.075	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP-8	X	.069	1
11	MP-9	X	.043	3
12	MP-10	X	.176	.5
13	MP-10	X	.078	3
14	MP-10	X	.075	3
15	MP-11	X	.122	3
16	MP-12	X	.069	1
17	RRU-1	X	.039	2
18	RRU-2	X	.024	2
19	RRU-3	X	.024	2
20	MP-2	X	.335	5.5
21	MP-4	X	.107	4
22	MP-6	X	.176	5.5
23	MP-8	X	.069	4
24	MP-10	X	.176	5.5
25	MP-12	X	.069	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.052	3
2	MP-2	X	.244	.5
3	MP-2	X	.055	3
4	MP-2	X	.048	3
5	MP-4	X	.082	1
6	MP-5	X	.029	3
7	MP-6	X	.106	.5
8	MP-6	X	.074	3
9	MP-6	X	.074	3
10	MP-8	X	.049	1
11	MP-9	X	.052	3
12	MP-10	X	.244	.5
13	MP-10	X	.055	3
14	MP-10	X	.048	3
15	MP-11	X	.161	3
16	MP-12	X	.082	1
17	RRU-1	X	.029	2
18	RRU-2	X	.017	2
19	RRU-3	X	.029	2
20	MP-2	X	.244	5.5
21	MP-4	X	.082	4
22	MP-6	X	.106	5.5
23	MP-8	X	.049	4
24	MP-10	X	.244	5.5
25	MP-12	X	.082	4
26	MP-1	Z	.03	3
27	MP-2	Z	.141	.5
28	MP-2	Z	.032	3
29	MP-2	Z	.028	3
30	MP-4	Z	.047	1
31	MP-5	Z	.017	3
32	MP-6	Z	.061	.5
33	MP-6	Z	.042	3
34	MP-6	Z	.042	3
35	MP-8	Z	.029	1
36	MP-9	Z	.03	3
37	MP-10	Z	.141	.5
38	MP-10	Z	.032	3
39	MP-10	Z	.028	3
40	MP-11	Z	.093	3
41	MP-12	Z	.047	1
42	RRU-1	Z	.017	2
43	RRU-2	Z	.01	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
44	RRU-3	Z	.017	2
45	MP-2	Z	.141	5.5
46	MP-4	Z	.047	4
47	MP-6	Z	.061	5.5
48	MP-8	Z	.029	4
49	MP-10	Z	.141	5.5
50	MP-12	Z	.047	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.037	3
2	MP-2	X	.162	.5
3	MP-2	X	.05	3
4	MP-2	X	.046	3
5	MP-4	X	.058	1
6	MP-5	X	.026	3
7	MP-6	X	.097	.5
8	MP-6	X	.059	3
9	MP-6	X	.058	3
10	MP-8	X	.043	1
11	MP-9	X	.047	3
12	MP-10	X	.227	.5
13	MP-10	X	.041	3
14	MP-10	X	.034	3
15	MP-11	X	.148	3
16	MP-12	X	.073	1
17	RRU-1	X	.02	2
18	RRU-2	X	.014	2
19	RRU-3	X	.027	2
20	MP-2	X	.162	5.5
21	MP-4	X	.058	4
22	MP-6	X	.097	5.5
23	MP-8	X	.043	4
24	MP-10	X	.227	5.5
25	MP-12	X	.073	4
26	MP-1	Z	.037	3
27	MP-2	Z	.162	.5
28	MP-2	Z	.05	3
29	MP-2	Z	.046	3
30	MP-4	Z	.058	1
31	MP-5	Z	.026	3
32	MP-6	Z	.097	.5
33	MP-6	Z	.059	3
34	MP-6	Z	.058	3
35	MP-8	Z	.043	1
36	MP-9	Z	.047	3
37	MP-10	Z	.227	.5
38	MP-10	Z	.041	3
39	MP-10	Z	.034	3
40	MP-11	Z	.148	3
41	MP-12	Z	.073	1
42	RRU-1	Z	.02	2
43	RRU-2	Z	.014	2
44	RRU-3	Z	.027	2
45	MP-2	Z	.162	5.5
46	MP-4	Z	.058	4
47	MP-6	Z	.097	5.5
48	MP-8	Z	.043	4
49	MP-10	Z	.227	5.5
50	MP-12	Z	.073	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.021	3
2	MP-2	X	.088	.5
3	MP-2	X	.039	3
4	MP-2	X	.038	3
5	MP-4	X	.035	1
6	MP-5	X	.021	3
7	MP-6	X	.088	.5
8	MP-6	X	.039	3
9	MP-6	X	.038	3
10	MP-8	X	.035	1
11	MP-9	X	.035	3
12	MP-10	X	.167	.5
13	MP-10	X	.028	3
14	MP-10	X	.023	3
15	MP-11	X	.109	3
16	MP-12	X	.053	1
17	RRU-1	X	.012	2
18	RRU-2	X	.012	2
19	RRU-3	X	.019	2
20	MP-2	X	.088	5.5
21	MP-4	X	.035	4
22	MP-6	X	.088	5.5
23	MP-8	X	.035	4
24	MP-10	X	.167	5.5
25	MP-12	X	.053	4
26	MP-1	Z	.037	3
27	MP-2	Z	.152	.5
28	MP-2	Z	.067	3
29	MP-2	Z	.065	3
30	MP-4	Z	.06	1
31	MP-5	Z	.037	3
32	MP-6	Z	.152	.5
33	MP-6	Z	.067	3
34	MP-6	Z	.065	3
35	MP-8	Z	.06	1
36	MP-9	Z	.06	3
37	MP-10	Z	.29	.5
38	MP-10	Z	.049	3
39	MP-10	Z	.04	3
40	MP-11	Z	.188	3
41	MP-12	Z	.092	1
42	RRU-1	Z	.021	2
43	RRU-2	Z	.021	2
44	RRU-3	Z	.034	2
45	MP-2	Z	.152	5.5
46	MP-4	Z	.06	4
47	MP-6	Z	.152	5.5
48	MP-8	Z	.06	4
49	MP-10	Z	.29	5.5
50	MP-12	Z	.092	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.034	3
2	MP-2	Z	.123	.5
3	MP-2	Z	.085	3
4	MP-2	Z	.085	3
5	MP-4	Z	.057	1
6	MP-5	Z	.061	3
7	MP-6	Z	.282	.5
8	MP-6	Z	.064	3
9	MP-6	Z	.056	3

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP-8	Z	.094	1
11	MP-9	Z	.061	3
12	MP-10	Z	.282	.5
13	MP-10	Z	.064	3
14	MP-10	Z	.056	3
15	MP-11	Z	.186	3
16	MP-12	Z	.094	1
17	RRU-1	Z	.019	2
18	RRU-2	Z	.034	2
19	RRU-3	Z	.034	2
20	MP-2	Z	.123	5.5
21	MP-4	Z	.057	4
22	MP-6	Z	.282	5.5
23	MP-8	Z	.094	4
24	MP-10	Z	.282	5.5
25	MP-12	Z	.094	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.021	3
2	MP-2	X	-.088	.5
3	MP-2	X	-.039	3
4	MP-2	X	-.038	3
5	MP-4	X	-.035	1
6	MP-5	X	-.035	3
7	MP-6	X	-.167	.5
8	MP-6	X	-.028	3
9	MP-6	X	-.023	3
10	MP-8	X	-.053	1
11	MP-9	X	-.021	3
12	MP-10	X	-.088	.5
13	MP-10	X	-.039	3
14	MP-10	X	-.038	3
15	MP-11	X	-.061	3
16	MP-12	X	-.035	1
17	RRU-1	X	-.012	2
18	RRU-2	X	-.019	2
19	RRU-3	X	-.012	2
20	MP-2	X	-.088	5.5
21	MP-4	X	-.035	4
22	MP-6	X	-.167	5.5
23	MP-8	X	-.053	4
24	MP-10	X	-.088	5.5
25	MP-12	X	-.035	4
26	MP-1	Z	.037	3
27	MP-2	Z	.152	.5
28	MP-2	Z	.067	3
29	MP-2	Z	.065	3
30	MP-4	Z	.06	1
31	MP-5	Z	.06	3
32	MP-6	Z	.29	.5
33	MP-6	Z	.049	3
34	MP-6	Z	.04	3
35	MP-8	Z	.092	1
36	MP-9	Z	.037	3
37	MP-10	Z	.152	.5
38	MP-10	Z	.067	3
39	MP-10	Z	.065	3
40	MP-11	Z	.106	3
41	MP-12	Z	.06	1
42	RRU-1	Z	.021	2
43	RRU-2	Z	.034	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
44	RRU-3	Z	.021	2
45	MP-2	Z	.152	5.5
46	MP-4	Z	.06	4
47	MP-6	Z	.29	5.5
48	MP-8	Z	.092	4
49	MP-10	Z	.152	5.5
50	MP-12	Z	.06	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.037	3
2	MP-2	X	-.162	.5
3	MP-2	X	-.05	3
4	MP-2	X	-.046	3
5	MP-4	X	-.058	1
6	MP-5	X	-.047	3
7	MP-6	X	-.227	.5
8	MP-6	X	-.041	3
9	MP-6	X	-.034	3
10	MP-8	X	-.073	1
11	MP-9	X	-.026	3
12	MP-10	X	-.097	.5
13	MP-10	X	-.059	3
14	MP-10	X	-.058	3
15	MP-11	X	-.07	3
16	MP-12	X	-.043	1
17	RRU-1	X	-.02	2
18	RRU-2	X	-.027	2
19	RRU-3	X	-.014	2
20	MP-2	X	-.162	5.5
21	MP-4	X	-.058	4
22	MP-6	X	-.227	5.5
23	MP-8	X	-.073	4
24	MP-10	X	-.097	5.5
25	MP-12	X	-.043	4
26	MP-1	Z	.037	3
27	MP-2	Z	.162	.5
28	MP-2	Z	.05	3
29	MP-2	Z	.046	3
30	MP-4	Z	.058	1
31	MP-5	Z	.047	3
32	MP-6	Z	.227	.5
33	MP-6	Z	.041	3
34	MP-6	Z	.034	3
35	MP-8	Z	.073	1
36	MP-9	Z	.026	3
37	MP-10	Z	.097	.5
38	MP-10	Z	.059	3
39	MP-10	Z	.058	3
40	MP-11	Z	.07	3
41	MP-12	Z	.043	1
42	RRU-1	Z	.02	2
43	RRU-2	Z	.027	2
44	RRU-3	Z	.014	2
45	MP-2	Z	.162	5.5
46	MP-4	Z	.058	4
47	MP-6	Z	.227	5.5
48	MP-8	Z	.073	4
49	MP-10	Z	.097	5.5
50	MP-12	Z	.043	4

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
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Member Point Loads (BLC 17 : 330 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.052	3
2	MP-2	X	-.244	.5
3	MP-2	X	-.055	3
4	MP-2	X	-.048	3
5	MP-4	X	-.082	1
6	MP-5	X	-.052	3
7	MP-6	X	-.244	.5
8	MP-6	X	-.055	3
9	MP-6	X	-.048	3
10	MP-8	X	-.082	1
11	MP-9	X	-.029	3
12	MP-10	X	-.106	.5
13	MP-10	X	-.074	3
14	MP-10	X	-.074	3
15	MP-11	X	-.079	3
16	MP-12	X	-.049	1
17	RRU-1	X	-.029	2
18	RRU-2	X	-.029	2
19	RRU-3	X	-.017	2
20	MP-2	X	-.244	5.5
21	MP-4	X	-.082	4
22	MP-6	X	-.244	5.5
23	MP-8	X	-.082	4
24	MP-10	X	-.106	5.5
25	MP-12	X	-.049	4
26	MP-1	Z	.03	3
27	MP-2	Z	.141	.5
28	MP-2	Z	.032	3
29	MP-2	Z	.028	3
30	MP-4	Z	.047	1
31	MP-5	Z	.03	3
32	MP-6	Z	.141	.5
33	MP-6	Z	.032	3
34	MP-6	Z	.028	3
35	MP-8	Z	.047	1
36	MP-9	Z	.017	3
37	MP-10	Z	.061	.5
38	MP-10	Z	.042	3
39	MP-10	Z	.042	3
40	MP-11	Z	.045	3
41	MP-12	Z	.029	1
42	RRU-1	Z	.017	2
43	RRU-2	Z	.017	2
44	RRU-3	Z	.01	2
45	MP-2	Z	.141	5.5
46	MP-4	Z	.047	4
47	MP-6	Z	.141	5.5
48	MP-8	Z	.047	4
49	MP-10	Z	.061	5.5
50	MP-12	Z	.029	4

Member Point Loads (BLC 18 : Ice Weight)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.075	3
2	MP-2	Y	-.216	.5
3	MP-2	Y	-.108	3
4	MP-2	Y	-.098	3
5	MP-4	Y	-.085	1
6	MP-5	Y	-.075	3
7	MP-6	Y	-.216	.5
8	MP-6	Y	-.108	3
9	MP-6	Y	-.098	3

Member Point Loads (BLC 18 : Ice Weight) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP-8	Y	-.085	1
11	MP-9	Y	-.075	3
12	MP-10	Y	-.216	.5
13	MP-10	Y	-.108	3
14	MP-10	Y	-.098	3
15	MP-11	Y	-.199	3
16	MP-12	Y	-.085	1
17	RRU-1	Y	-.048	2
18	RRU-2	Y	-.048	2
19	RRU-3	Y	-.048	2
20	MP-2	Y	-.216	5.5
21	MP-4	Y	-.085	4
22	MP-6	Y	-.216	5.5
23	MP-8	Y	-.085	4
24	MP-10	Y	-.216	5.5
25	MP-12	Y	-.085	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.02	3
2	MP-2	X	-.067	.5
3	MP-2	X	-.017	3
4	MP-2	X	-.015	3
5	MP-4	X	-.026	1
6	MP-5	X	-.02	3
7	MP-6	X	-.067	.5
8	MP-6	X	-.017	3
9	MP-6	X	-.015	3
10	MP-8	X	-.026	1
11	MP-9	X	-.02	3
12	MP-10	X	-.067	.5
13	MP-10	X	-.017	3
14	MP-10	X	-.015	3
15	MP-11	X	-.049	3
16	MP-12	X	-.026	1
17	RRU-1	X	-.013	2
18	RRU-2	X	-.013	2
19	RRU-3	X	-.013	2
20	MP-2	X	-.067	5.5
21	MP-4	X	-.026	4
22	MP-6	X	-.067	5.5
23	MP-8	X	-.026	4
24	MP-10	X	-.067	5.5
25	MP-12	X	-.026	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.016	3
2	MP-2	X	-.05	.5
3	MP-2	X	-.016	3
4	MP-2	X	-.015	3
5	MP-4	X	-.02	1
6	MP-5	X	-.011	3
7	MP-6	X	-.027	.5
8	MP-6	X	-.02	3
9	MP-6	X	-.02	3
10	MP-8	X	-.015	1
11	MP-9	X	-.016	3
12	MP-10	X	-.05	.5
13	MP-10	X	-.016	3
14	MP-10	X	-.015	3
15	MP-11	X	-.038	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP-12	X	-.02	1
17	RRU-1	X	-.01	2
18	RRU-2	X	-.008	2
19	RRU-3	X	-.01	2
20	MP-2	X	-.05	5.5
21	MP-4	X	-.02	4
22	MP-6	X	-.027	5.5
23	MP-8	X	-.015	4
24	MP-10	X	-.05	5.5
25	MP-12	X	-.02	4
26	MP-1	Z	-.009	3
27	MP-2	Z	-.029	.5
28	MP-2	Z	-.009	3
29	MP-2	Z	-.009	3
30	MP-4	Z	-.012	1
31	MP-5	Z	-.006	3
32	MP-6	Z	-.016	.5
33	MP-6	Z	-.012	3
34	MP-6	Z	-.012	3
35	MP-8	Z	-.008	1
36	MP-9	Z	-.009	3
37	MP-10	Z	-.029	.5
38	MP-10	Z	-.009	3
39	MP-10	Z	-.009	3
40	MP-11	Z	-.022	3
41	MP-12	Z	-.012	1
42	RRU-1	Z	-.006	2
43	RRU-2	Z	-.004	2
44	RRU-3	Z	-.006	2
45	MP-2	Z	-.029	5.5
46	MP-4	Z	-.012	4
47	MP-6	Z	-.016	5.5
48	MP-8	Z	-.008	4
49	MP-10	Z	-.029	5.5
50	MP-12	Z	-.012	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.012	3
2	MP-2	X	-.035	.5
3	MP-2	X	-.014	3
4	MP-2	X	-.013	3
5	MP-4	X	-.015	1
6	MP-5	X	-.009	3
7	MP-6	X	-.024	.5
8	MP-6	X	-.016	3
9	MP-6	X	-.016	3
10	MP-8	X	-.012	1
11	MP-9	X	-.014	3
12	MP-10	X	-.046	.5
13	MP-10	X	-.012	3
14	MP-10	X	-.011	3
15	MP-11	X	-.034	3
16	MP-12	X	-.018	1
17	RRU-1	X	-.008	2
18	RRU-2	X	-.006	2
19	RRU-3	X	-.009	2
20	MP-2	X	-.035	5.5
21	MP-4	X	-.015	4
22	MP-6	X	-.024	5.5
23	MP-8	X	-.012	4
24	MP-10	X	-.046	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP-12	X	-.018	4
26	MP-1	Z	-.012	3
27	MP-2	Z	-.035	.5
28	MP-2	Z	-.014	3
29	MP-2	Z	-.013	3
30	MP-4	Z	-.015	1
31	MP-5	Z	-.009	3
32	MP-6	Z	-.024	.5
33	MP-6	Z	-.016	3
34	MP-6	Z	-.016	3
35	MP-8	Z	-.012	1
36	MP-9	Z	-.014	3
37	MP-10	Z	-.046	.5
38	MP-10	Z	-.012	3
39	MP-10	Z	-.011	3
40	MP-11	Z	-.034	3
41	MP-12	Z	-.018	1
42	RRU-1	Z	-.008	2
43	RRU-2	Z	-.006	2
44	RRU-3	Z	-.009	2
45	MP-2	Z	-.035	5.5
46	MP-4	Z	-.015	4
47	MP-6	Z	-.024	5.5
48	MP-8	Z	-.012	4
49	MP-10	Z	-.046	5.5
50	MP-12	Z	-.018	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.007	3
2	MP-2	X	-.02	.5
3	MP-2	X	-.011	3
4	MP-2	X	-.011	3
5	MP-4	X	-.01	1
6	MP-5	X	-.007	3
7	MP-6	X	-.02	.5
8	MP-6	X	-.011	3
9	MP-6	X	-.011	3
10	MP-8	X	-.01	1
11	MP-9	X	-.01	3
12	MP-10	X	-.034	.5
13	MP-10	X	-.009	3
14	MP-10	X	-.007	3
15	MP-11	X	-.025	3
16	MP-12	X	-.013	1
17	RRU-1	X	-.005	2
18	RRU-2	X	-.005	2
19	RRU-3	X	-.007	2
20	MP-2	X	-.02	5.5
21	MP-4	X	-.01	4
22	MP-6	X	-.02	5.5
23	MP-8	X	-.01	4
24	MP-10	X	-.034	5.5
25	MP-12	X	-.013	4
26	MP-1	Z	-.012	3
27	MP-2	Z	-.035	.5
28	MP-2	Z	-.019	3
29	MP-2	Z	-.018	3
30	MP-4	Z	-.017	1
31	MP-5	Z	-.012	3
32	MP-6	Z	-.035	.5
33	MP-6	Z	-.019	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
34	MP-6	Z	-.018	3
35	MP-8	Z	-.017	1
36	MP-9	Z	-.017	3
37	MP-10	Z	-.058	.5
38	MP-10	Z	-.015	3
39	MP-10	Z	-.013	3
40	MP-11	Z	-.043	3
41	MP-12	Z	-.022	1
42	RRU-1	Z	-.009	2
43	RRU-2	Z	-.009	2
44	RRU-3	Z	-.011	2
45	MP-2	Z	-.035	5.5
46	MP-4	Z	-.017	4
47	MP-6	Z	-.035	5.5
48	MP-8	Z	-.017	4
49	MP-10	Z	-.058	5.5
50	MP-12	Z	-.022	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.013	3
2	MP-2	Z	-.032	.5
3	MP-2	Z	-.023	3
4	MP-2	Z	-.023	3
5	MP-4	Z	-.017	1
6	MP-5	Z	-.013	3
7	MP-6	Z	-.032	.5
8	MP-6	Z	-.023	3
9	MP-6	Z	-.023	3
10	MP-8	Z	-.017	1
11	MP-9	Z	-.013	3
12	MP-10	Z	-.032	.5
13	MP-10	Z	-.023	3
14	MP-10	Z	-.023	3
15	MP-11	Z	-.025	3
16	MP-12	Z	-.017	1
17	RRU-1	Z	-.009	2
18	RRU-2	Z	-.009	2
19	RRU-3	Z	-.009	2
20	MP-2	Z	-.032	5.5
21	MP-4	Z	-.017	4
22	MP-6	Z	-.032	5.5
23	MP-8	Z	-.017	4
24	MP-10	Z	-.032	5.5
25	MP-12	Z	-.017	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.007	3
2	MP-2	X	.02	.5
3	MP-2	X	.011	3
4	MP-2	X	.011	3
5	MP-4	X	.01	1
6	MP-5	X	.01	3
7	MP-6	X	.034	.5
8	MP-6	X	.009	3
9	MP-6	X	.007	3
10	MP-8	X	.013	1
11	MP-9	X	.007	3
12	MP-10	X	.02	.5
13	MP-10	X	.011	3
14	MP-10	X	.011	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP-11	X	.016	3
16	MP-12	X	.01	1
17	RRU-1	X	.005	2
18	RRU-2	X	.007	2
19	RRU-3	X	.005	2
20	MP-2	X	.02	5.5
21	MP-4	X	.01	4
22	MP-6	X	.034	5.5
23	MP-8	X	.013	4
24	MP-10	X	.02	5.5
25	MP-12	X	.01	4
26	MP-1	Z	-.012	3
27	MP-2	Z	-.035	.5
28	MP-2	Z	-.019	3
29	MP-2	Z	-.018	3
30	MP-4	Z	-.017	1
31	MP-5	Z	-.017	3
32	MP-6	Z	-.058	.5
33	MP-6	Z	-.015	3
34	MP-6	Z	-.013	3
35	MP-8	Z	-.022	1
36	MP-9	Z	-.012	3
37	MP-10	Z	-.035	.5
38	MP-10	Z	-.019	3
39	MP-10	Z	-.018	3
40	MP-11	Z	-.027	3
41	MP-12	Z	-.017	1
42	RRU-1	Z	-.009	2
43	RRU-2	Z	-.011	2
44	RRU-3	Z	-.009	2
45	MP-2	Z	-.035	5.5
46	MP-4	Z	-.017	4
47	MP-6	Z	-.058	5.5
48	MP-8	Z	-.022	4
49	MP-10	Z	-.035	5.5
50	MP-12	Z	-.017	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.012	3
2	MP-2	X	.035	.5
3	MP-2	X	.014	3
4	MP-2	X	.013	3
5	MP-4	X	.015	1
6	MP-5	X	.014	3
7	MP-6	X	.046	.5
8	MP-6	X	.012	3
9	MP-6	X	.011	3
10	MP-8	X	.018	1
11	MP-9	X	.009	3
12	MP-10	X	.024	.5
13	MP-10	X	.016	3
14	MP-10	X	.016	3
15	MP-11	X	.019	3
16	MP-12	X	.012	1
17	RRU-1	X	.008	2
18	RRU-2	X	.009	2
19	RRU-3	X	.006	2
20	MP-2	X	.035	5.5
21	MP-4	X	.015	4
22	MP-6	X	.046	5.5
23	MP-8	X	.018	4

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
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Member Point Loads (BLC 25 : 135 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP-10	X	.024	5.5
25	MP-12	X	.012	4
26	MP-1	Z	-.012	3
27	MP-2	Z	-.035	.5
28	MP-2	Z	-.014	3
29	MP-2	Z	-.013	3
30	MP-4	Z	-.015	1
31	MP-5	Z	-.014	3
32	MP-6	Z	-.046	.5
33	MP-6	Z	-.012	3
34	MP-6	Z	-.011	3
35	MP-8	Z	-.018	1
36	MP-9	Z	-.009	3
37	MP-10	Z	-.024	.5
38	MP-10	Z	-.016	3
39	MP-10	Z	-.016	3
40	MP-11	Z	-.019	3
41	MP-12	Z	-.012	1
42	RRU-1	Z	-.008	2
43	RRU-2	Z	-.009	2
44	RRU-3	Z	-.006	2
45	MP-2	Z	-.035	5.5
46	MP-4	Z	-.015	4
47	MP-6	Z	-.046	5.5
48	MP-8	Z	-.018	4
49	MP-10	Z	-.024	5.5
50	MP-12	Z	-.012	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.016	3
2	MP-2	X	.05	.5
3	MP-2	X	.016	3
4	MP-2	X	.015	3
5	MP-4	X	.02	1
6	MP-5	X	.016	3
7	MP-6	X	.05	.5
8	MP-6	X	.016	3
9	MP-6	X	.015	3
10	MP-8	X	.02	1
11	MP-9	X	.011	3
12	MP-10	X	.027	.5
13	MP-10	X	.02	3
14	MP-10	X	.02	3
15	MP-11	X	.022	3
16	MP-12	X	.015	1
17	RRU-1	X	.01	2
18	RRU-2	X	.01	2
19	RRU-3	X	.008	2
20	MP-2	X	.05	5.5
21	MP-4	X	.02	4
22	MP-6	X	.05	5.5
23	MP-8	X	.02	4
24	MP-10	X	.027	5.5
25	MP-12	X	.015	4
26	MP-1	Z	-.009	3
27	MP-2	Z	-.029	.5
28	MP-2	Z	-.009	3
29	MP-2	Z	-.009	3
30	MP-4	Z	-.012	1
31	MP-5	Z	-.009	3
32	MP-6	Z	-.029	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP-6	Z	-.009	3
34	MP-6	Z	-.009	3
35	MP-8	Z	-.012	1
36	MP-9	Z	-.006	3
37	MP-10	Z	-.016	.5
38	MP-10	Z	-.012	3
39	MP-10	Z	-.012	3
40	MP-11	Z	-.013	3
41	MP-12	Z	-.008	1
42	RRU-1	Z	-.006	2
43	RRU-2	Z	-.006	2
44	RRU-3	Z	-.004	2
45	MP-2	Z	-.029	5.5
46	MP-4	Z	-.012	4
47	MP-6	Z	-.029	5.5
48	MP-8	Z	-.012	4
49	MP-10	Z	-.016	5.5
50	MP-12	Z	-.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.02	3
2	MP-2	X	.067	.5
3	MP-2	X	.017	3
4	MP-2	X	.015	3
5	MP-4	X	.026	1
6	MP-5	X	.02	3
7	MP-6	X	.067	.5
8	MP-6	X	.017	3
9	MP-6	X	.015	3
10	MP-8	X	.026	1
11	MP-9	X	.02	3
12	MP-10	X	.067	.5
13	MP-10	X	.017	3
14	MP-10	X	.015	3
15	MP-11	X	.049	3
16	MP-12	X	.026	1
17	RRU-1	X	.013	2
18	RRU-2	X	.013	2
19	RRU-3	X	.013	2
20	MP-2	X	.067	5.5
21	MP-4	X	.026	4
22	MP-6	X	.067	5.5
23	MP-8	X	.026	4
24	MP-10	X	.067	5.5
25	MP-12	X	.026	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.016	3
2	MP-2	X	.05	.5
3	MP-2	X	.016	3
4	MP-2	X	.015	3
5	MP-4	X	.02	1
6	MP-5	X	.011	3
7	MP-6	X	.027	.5
8	MP-6	X	.02	3
9	MP-6	X	.02	3
10	MP-8	X	.015	1
11	MP-9	X	.016	3
12	MP-10	X	.05	.5
13	MP-10	X	.016	3

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
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Member Point Loads (BLC 28 : 210 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
14	MP-10	X	.015	3
15	MP-11	X	.038	3
16	MP-12	X	.02	1
17	RRU-1	X	.01	2
18	RRU-2	X	.008	2
19	RRU-3	X	.01	2
20	MP-2	X	.05	5.5
21	MP-4	X	.02	4
22	MP-6	X	.027	5.5
23	MP-8	X	.015	4
24	MP-10	X	.05	5.5
25	MP-12	X	.02	4
26	MP-1	Z	.009	3
27	MP-2	Z	.029	.5
28	MP-2	Z	.009	3
29	MP-2	Z	.009	3
30	MP-4	Z	.012	1
31	MP-5	Z	.006	3
32	MP-6	Z	.016	.5
33	MP-6	Z	.012	3
34	MP-6	Z	.012	3
35	MP-8	Z	.008	1
36	MP-9	Z	.009	3
37	MP-10	Z	.029	.5
38	MP-10	Z	.009	3
39	MP-10	Z	.009	3
40	MP-11	Z	.022	3
41	MP-12	Z	.012	1
42	RRU-1	Z	.006	2
43	RRU-2	Z	.004	2
44	RRU-3	Z	.006	2
45	MP-2	Z	.029	5.5
46	MP-4	Z	.012	4
47	MP-6	Z	.016	5.5
48	MP-8	Z	.008	4
49	MP-10	Z	.029	5.5
50	MP-12	Z	.012	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.012	3
2	MP-2	X	.035	.5
3	MP-2	X	.014	3
4	MP-2	X	.013	3
5	MP-4	X	.015	1
6	MP-5	X	.009	3
7	MP-6	X	.024	.5
8	MP-6	X	.016	3
9	MP-6	X	.016	3
10	MP-8	X	.012	1
11	MP-9	X	.014	3
12	MP-10	X	.046	.5
13	MP-10	X	.012	3
14	MP-10	X	.011	3
15	MP-11	X	.034	3
16	MP-12	X	.018	1
17	RRU-1	X	.008	2
18	RRU-2	X	.006	2
19	RRU-3	X	.009	2
20	MP-2	X	.035	5.5
21	MP-4	X	.015	4
22	MP-6	X	.024	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	MP-8	X	.012	4
24	MP-10	X	.046	5.5
25	MP-12	X	.018	4
26	MP-1	Z	.012	3
27	MP-2	Z	.035	.5
28	MP-2	Z	.014	3
29	MP-2	Z	.013	3
30	MP-4	Z	.015	1
31	MP-5	Z	.009	3
32	MP-6	Z	.024	.5
33	MP-6	Z	.016	3
34	MP-6	Z	.016	3
35	MP-8	Z	.012	1
36	MP-9	Z	.014	3
37	MP-10	Z	.046	.5
38	MP-10	Z	.012	3
39	MP-10	Z	.011	3
40	MP-11	Z	.034	3
41	MP-12	Z	.018	1
42	RRU-1	Z	.008	2
43	RRU-2	Z	.006	2
44	RRU-3	Z	.009	2
45	MP-2	Z	.035	5.5
46	MP-4	Z	.015	4
47	MP-6	Z	.024	5.5
48	MP-8	Z	.012	4
49	MP-10	Z	.046	5.5
50	MP-12	Z	.018	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.007	3
2	MP-2	X	.02	.5
3	MP-2	X	.011	3
4	MP-2	X	.011	3
5	MP-4	X	.01	1
6	MP-5	X	.007	3
7	MP-6	X	.02	.5
8	MP-6	X	.011	3
9	MP-6	X	.011	3
10	MP-8	X	.01	1
11	MP-9	X	.01	3
12	MP-10	X	.034	.5
13	MP-10	X	.009	3
14	MP-10	X	.007	3
15	MP-11	X	.025	3
16	MP-12	X	.013	1
17	RRU-1	X	.005	2
18	RRU-2	X	.005	2
19	RRU-3	X	.007	2
20	MP-2	X	.02	5.5
21	MP-4	X	.01	4
22	MP-6	X	.02	5.5
23	MP-8	X	.01	4
24	MP-10	X	.034	5.5
25	MP-12	X	.013	4
26	MP-1	Z	.012	3
27	MP-2	Z	.035	.5
28	MP-2	Z	.019	3
29	MP-2	Z	.018	3
30	MP-4	Z	.017	1
31	MP-5	Z	.012	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
32	MP-6	Z	.035	.5
33	MP-6	Z	.019	3
34	MP-6	Z	.018	3
35	MP-8	Z	.017	1
36	MP-9	Z	.017	3
37	MP-10	Z	.058	.5
38	MP-10	Z	.015	3
39	MP-10	Z	.013	3
40	MP-11	Z	.043	3
41	MP-12	Z	.022	1
42	RRU-1	Z	.009	2
43	RRU-2	Z	.009	2
44	RRU-3	Z	.011	2
45	MP-2	Z	.035	5.5
46	MP-4	Z	.017	4
47	MP-6	Z	.035	5.5
48	MP-8	Z	.017	4
49	MP-10	Z	.058	5.5
50	MP-12	Z	.022	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.013	3
2	MP-2	Z	.032	.5
3	MP-2	Z	.023	3
4	MP-2	Z	.023	3
5	MP-4	Z	.017	1
6	MP-5	Z	.013	3
7	MP-6	Z	.032	.5
8	MP-6	Z	.023	3
9	MP-6	Z	.023	3
10	MP-8	Z	.017	1
11	MP-9	Z	.013	3
12	MP-10	Z	.032	.5
13	MP-10	Z	.023	3
14	MP-10	Z	.023	3
15	MP-11	Z	.025	3
16	MP-12	Z	.017	1
17	RRU-1	Z	.009	2
18	RRU-2	Z	.009	2
19	RRU-3	Z	.009	2
20	MP-2	Z	.032	5.5
21	MP-4	Z	.017	4
22	MP-6	Z	.032	5.5
23	MP-8	Z	.017	4
24	MP-10	Z	.032	5.5
25	MP-12	Z	.017	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.007	3
2	MP-2	X	-.02	.5
3	MP-2	X	-.011	3
4	MP-2	X	-.011	3
5	MP-4	X	-.01	1
6	MP-5	X	-.01	3
7	MP-6	X	-.034	.5
8	MP-6	X	-.009	3
9	MP-6	X	-.007	3
10	MP-8	X	-.013	1
11	MP-9	X	-.007	3
12	MP-10	X	-.02	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
13	MP-10	X	-.011	3
14	MP-10	X	-.011	3
15	MP-11	X	-.016	3
16	MP-12	X	-.01	1
17	RRU-1	X	-.005	2
18	RRU-2	X	-.007	2
19	RRU-3	X	-.005	2
20	MP-2	X	-.02	5.5
21	MP-4	X	-.01	4
22	MP-6	X	-.034	5.5
23	MP-8	X	-.013	4
24	MP-10	X	-.02	5.5
25	MP-12	X	-.01	4
26	MP-1	Z	.012	3
27	MP-2	Z	.035	.5
28	MP-2	Z	.019	3
29	MP-2	Z	.018	3
30	MP-4	Z	.017	1
31	MP-5	Z	.017	3
32	MP-6	Z	.058	.5
33	MP-6	Z	.015	3
34	MP-6	Z	.013	3
35	MP-8	Z	.022	1
36	MP-9	Z	.012	3
37	MP-10	Z	.035	.5
38	MP-10	Z	.019	3
39	MP-10	Z	.018	3
40	MP-11	Z	.027	3
41	MP-12	Z	.017	1
42	RRU-1	Z	.009	2
43	RRU-2	Z	.011	2
44	RRU-3	Z	.009	2
45	MP-2	Z	.035	5.5
46	MP-4	Z	.017	4
47	MP-6	Z	.058	5.5
48	MP-8	Z	.022	4
49	MP-10	Z	.035	5.5
50	MP-12	Z	.017	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.012	3
2	MP-2	X	-.035	.5
3	MP-2	X	-.014	3
4	MP-2	X	-.013	3
5	MP-4	X	-.015	1
6	MP-5	X	-.014	3
7	MP-6	X	-.046	.5
8	MP-6	X	-.012	3
9	MP-6	X	-.011	3
10	MP-8	X	-.018	1
11	MP-9	X	-.009	3
12	MP-10	X	-.024	.5
13	MP-10	X	-.016	3
14	MP-10	X	-.016	3
15	MP-11	X	-.019	3
16	MP-12	X	-.012	1
17	RRU-1	X	-.008	2
18	RRU-2	X	-.009	2
19	RRU-3	X	-.006	2
20	MP-2	X	-.035	5.5
21	MP-4	X	-.015	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP-6	X	-.046	5.5
23	MP-8	X	-.018	4
24	MP-10	X	-.024	5.5
25	MP-12	X	-.012	4
26	MP-1	Z	.012	3
27	MP-2	Z	.035	.5
28	MP-2	Z	.014	3
29	MP-2	Z	.013	3
30	MP-4	Z	.015	1
31	MP-5	Z	.014	3
32	MP-6	Z	.046	.5
33	MP-6	Z	.012	3
34	MP-6	Z	.011	3
35	MP-8	Z	.018	1
36	MP-9	Z	.009	3
37	MP-10	Z	.024	.5
38	MP-10	Z	.016	3
39	MP-10	Z	.016	3
40	MP-11	Z	.019	3
41	MP-12	Z	.012	1
42	RRU-1	Z	.008	2
43	RRU-2	Z	.009	2
44	RRU-3	Z	.006	2
45	MP-2	Z	.035	5.5
46	MP-4	Z	.015	4
47	MP-6	Z	.046	5.5
48	MP-8	Z	.018	4
49	MP-10	Z	.024	5.5
50	MP-12	Z	.012	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.016	3
2	MP-2	X	-.05	.5
3	MP-2	X	-.016	3
4	MP-2	X	-.015	3
5	MP-4	X	-.02	1
6	MP-5	X	-.016	3
7	MP-6	X	-.05	.5
8	MP-6	X	-.016	3
9	MP-6	X	-.015	3
10	MP-8	X	-.02	1
11	MP-9	X	-.011	3
12	MP-10	X	-.027	.5
13	MP-10	X	-.02	3
14	MP-10	X	-.02	3
15	MP-11	X	-.022	3
16	MP-12	X	-.015	1
17	RRU-1	X	-.01	2
18	RRU-2	X	-.01	2
19	RRU-3	X	-.008	2
20	MP-2	X	-.05	5.5
21	MP-4	X	-.02	4
22	MP-6	X	-.05	5.5
23	MP-8	X	-.02	4
24	MP-10	X	-.027	5.5
25	MP-12	X	-.015	4
26	MP-1	Z	.009	3
27	MP-2	Z	.029	.5
28	MP-2	Z	.009	3
29	MP-2	Z	.009	3
30	MP-4	Z	.012	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
31	MP-5	Z	.009	3
32	MP-6	Z	.029	.5
33	MP-6	Z	.009	3
34	MP-6	Z	.009	3
35	MP-8	Z	.012	1
36	MP-9	Z	.006	3
37	MP-10	Z	.016	.5
38	MP-10	Z	.012	3
39	MP-10	Z	.012	3
40	MP-11	Z	.013	3
41	MP-12	Z	.008	1
42	RRU-1	Z	.006	2
43	RRU-2	Z	.006	2
44	RRU-3	Z	.004	2
45	MP-2	Z	.029	5.5
46	MP-4	Z	.012	4
47	MP-6	Z	.029	5.5
48	MP-8	Z	.012	4
49	MP-10	Z	.016	5.5
50	MP-12	Z	.008	4

Member Point Loads (BLC 37 : Seismic Load X)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.023	3
2	MP-2	X	-.041	.5
3	MP-2	X	-.084	3
4	MP-2	X	-.07	3
5	MP-4	X	-.005	1
6	MP-5	X	-.023	3
7	MP-6	X	-.041	.5
8	MP-6	X	-.084	3
9	MP-6	X	-.07	3
10	MP-8	X	-.005	1
11	MP-9	X	-.023	3
12	MP-10	X	-.041	.5
13	MP-10	X	-.084	3
14	MP-10	X	-.07	3
15	MP-11	X	-.044	3
16	MP-12	X	-.005	1
17	RRU-1	X	-.019	2
18	RRU-2	X	-.019	2
19	RRU-3	X	-.019	2
20	MP-2	X	-.041	5.5
21	MP-4	X	-.005	4
22	MP-6	X	-.041	5.5
23	MP-8	X	-.005	4
24	MP-10	X	-.041	5.5
25	MP-12	X	-.005	4

Member Point Loads (BLC 38 : Seismic Load Z)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.023	3
2	MP-2	Z	-.041	.5
3	MP-2	Z	-.084	3
4	MP-2	Z	-.07	3
5	MP-4	Z	-.005	1
6	MP-5	Z	-.023	3
7	MP-6	Z	-.041	.5
8	MP-6	Z	-.084	3
9	MP-6	Z	-.07	3
10	MP-8	Z	-.005	1
11	MP-9	Z	-.023	3

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Member Point Loads (BLC 38 : Seismic Load Z) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-10	Z	-.041	.5
13	MP-10	Z	-.084	3
14	MP-10	Z	-.07	3
15	MP-11	Z	-.044	3
16	MP-12	Z	-.005	1
17	RRU-1	Z	-.019	2
18	RRU-2	Z	-.019	2
19	RRU-3	Z	-.019	2
20	MP-2	Z	-.041	5.5
21	MP-4	Z	-.005	4
22	MP-6	Z	-.041	5.5
23	MP-8	Z	-.005	4
24	MP-10	Z	-.041	5.5
25	MP-12	Z	-.005	4

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	-.011	-.011	0	%100
2	MP-1	X	-.011	-.011	0	%100
3	MP-2	X	-.011	-.011	0	%100
4	MP-3	X	-.011	-.011	0	%100
5	MP-4	X	-.011	-.011	0	%100
6	SF1-TH	X	-.005	-.005	0	%100
7	MP-6	X	-.011	-.011	0	%100
8	MP-7	X	-.011	-.011	0	%100
9	SF2-TH	X	-.005	-.005	0	%100
10	MP-10	X	-.011	-.011	0	%100
11	MP-11	X	-.011	-.011	0	%100
12	SA-1	X	-.007	-.007	0	%100
13	SA-2	X	-.007	-.007	0	%100
14	SA-3	X	0	0	0	%100
15	GSI-1	X	-.009	-.009	0	%100
16	GSI-2	X	-.009	-.009	0	%100
17	GSI-3	X	-.021	-.021	0	%100
18	GSI-6	X	-.012	-.012	0	%100
19	GSI-9	X	-.01	-.01	0	%100
20	M24	X	-.005	-.005	0	%100
21	M25	X	-.005	-.005	0	%100
22	GSI-4	X	-.005	-.005	0	%100
23	M28	X	-.005	-.005	0	%100
24	M29	X	-.011	-.011	0	%100
25	GSI-5	X	-.005	-.005	0	%100
26	M32	X	-.011	-.011	0	%100
27	M33	X	-.005	-.005	0	%100
28	GSI-7	X	-.005	-.005	0	%100
29	GSI-8	X	-.005	-.005	0	%100
30	M38	X	-.028	-.028	0	%100
31	M39	X	-.028	-.028	0	%100
32	M44	X	-.032	-.032	0	%100
33	M49	X	-.014	-.014	0	%100
34	M50	X	-.014	-.014	0	%100
35	M55	X	-.014	-.014	0	%100
36	M60	X	-.014	-.014	0	%100
37	M61	X	-.014	-.014	0	%100
38	M66	X	-.014	-.014	0	%100
39	SA-3R	X	0	0	0	%100
40	SA-3L	X	0	0	0	%100
41	SA-1R	X	-.019	-.019	0	%100
42	SA-1L	X	-.019	-.019	0	%100
43	SA-2R	X	-.019	-.019	0	%100
44	SA-2L	X	-.019	-.019	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,%]
45	RRU-2	X	-.009	-.009	0	%100
46	RRU-1	X	-.009	-.009	0	%100
47	RRU-3	X	-.009	-.009	0	%100
48	MP-9	X	-.011	-.011	0	%100
49	MP-12	X	-.011	-.011	0	%100
50	MP-5	X	-.011	-.011	0	%100
51	MP-8	X	-.011	-.011	0	%100
52	FFHR	X	-.011	-.011	0	%100
53	SF1-HR	X	-.005	-.005	0	%100
54	SF2-HR	X	-.005	-.005	0	%100
55	K1	X	-.019	-.019	0	%100
56	K2	X	-.019	-.019	0	%100
57	K3	X	-.019	-.019	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	-.008	-.008	0	%100
2	MP-1	X	-.009	-.009	0	%100
3	MP-2	X	-.009	-.009	0	%100
4	MP-3	X	-.009	-.009	0	%100
5	MP-4	X	-.009	-.009	0	%100
6	SF1-TH	X	-.008	-.008	0	%100
7	MP-6	X	-.009	-.009	0	%100
8	MP-7	X	-.009	-.009	0	%100
9	SF2-TH	X	0	0	0	%100
10	MP-10	X	-.009	-.009	0	%100
11	MP-11	X	-.009	-.009	0	%100
12	SA-1	X	-.003	-.003	0	%100
13	SA-2	X	-.007	-.007	0	%100
14	SA-3	X	-.004	-.004	0	%100
15	GSI-1	X	-.013	-.013	0	%100
16	GSI-2	X	0	0	0	%100
17	GSI-3	X	-.016	-.016	0	%100
18	GSI-6	X	-.009	-.009	0	%100
19	GSI-9	X	-.008	-.008	0	%100
20	M24	X	-.007	-.007	0	%100
21	M25	X	-3.8e-5	-3.8e-5	0	%100
22	GSI-4	X	-.008	-.008	0	%100
23	M28	X	-3.8e-5	-3.8e-5	0	%100
24	M29	X	-.008	-.008	0	%100
25	GSI-5	X	0	0	0	%100
26	M32	X	-.008	-.008	0	%100
27	M33	X	-.007	-.007	0	%100
28	GSI-7	X	-.007	-.007	0	%100
29	GSI-8	X	0	0	0	%100
30	M38	X	-.021	-.021	0	%100
31	M39	X	-.021	-.021	0	%100
32	M44	X	-.024	-.024	0	%100
33	M49	X	-.02	-.02	0	%100
34	M50	X	-.02	-.02	0	%100
35	M55	X	-.021	-.021	0	%100
36	M60	X	0	0	0	%100
37	M61	X	0	0	0	%100
38	M66	X	0	0	0	%100
39	SA-3R	X	-.008	-.008	0	%100
40	SA-3L	X	-.008	-.008	0	%100
41	SA-1R	X	-.01	-.01	0	%100
42	SA-1L	X	-.01	-.01	0	%100
43	SA-2R	X	-.019	-.019	0	%100
44	SA-2L	X	-.019	-.019	0	%100
45	RRU-2	X	-.008	-.008	0	%100
46	RRU-1	X	-.008	-.008	0	%100

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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,%]
47	RRU-3	X	-.008	-.008	0	%100
48	MP-9	X	-.009	-.009	0	%100
49	MP-12	X	-.009	-.009	0	%100
50	MP-5	X	-.009	-.009	0	%100
51	MP-8	X	-.009	-.009	0	%100
52	FFHR	X	-.008	-.008	0	%100
53	SF1-HR	X	-.008	-.008	0	%100
54	SF2-HR	X	0	0	0	%100
55	K1	X	-.016	-.016	0	%100
56	K2	X	-.016	-.016	0	%100
57	K3	X	-.016	-.016	0	%100
58	FFTH	Z	-.005	-.005	0	%100
59	MP-1	Z	-.005	-.005	0	%100
60	MP-2	Z	-.005	-.005	0	%100
61	MP-3	Z	-.005	-.005	0	%100
62	MP-4	Z	-.005	-.005	0	%100
63	SF1-TH	Z	-.005	-.005	0	%100
64	MP-6	Z	-.005	-.005	0	%100
65	MP-7	Z	-.005	-.005	0	%100
66	SF2-TH	Z	0	0	0	%100
67	MP-10	Z	-.005	-.005	0	%100
68	MP-11	Z	-.005	-.005	0	%100
69	SA-1	Z	-.002	-.002	0	%100
70	SA-2	Z	-.004	-.004	0	%100
71	SA-3	Z	-.002	-.002	0	%100
72	GSI-1	Z	-.009	-.009	0	%100
73	GSI-2	Z	0	0	0	%100
74	GSI-3	Z	-.009	-.009	0	%100
75	GSI-6	Z	-.005	-.005	0	%100
76	GSI-9	Z	-.004	-.004	0	%100
77	M24	Z	-.005	-.005	0	%100
78	M25	Z	-2.4e-5	-2.4e-5	0	%100
79	GSI-4	Z	-.005	-.005	0	%100
80	M28	Z	-2.4e-5	-2.4e-5	0	%100
81	M29	Z	-.004	-.004	0	%100
82	GSI-5	Z	0	0	0	%100
83	M32	Z	-.004	-.004	0	%100
84	M33	Z	-.004	-.004	0	%100
85	GSI-7	Z	-.004	-.004	0	%100
86	GSI-8	Z	0	0	0	%100
87	M38	Z	-.012	-.012	0	%100
88	M39	Z	-.012	-.012	0	%100
89	M44	Z	-.014	-.014	0	%100
90	M49	Z	-.012	-.012	0	%100
91	M50	Z	-.012	-.012	0	%100
92	M55	Z	-.014	-.014	0	%100
93	M60	Z	0	0	0	%100
94	M61	Z	0	0	0	%100
95	M66	Z	0	0	0	%100
96	SA-3R	Z	-.006	-.006	0	%100
97	SA-3L	Z	-.006	-.006	0	%100
98	SA-1R	Z	-.005	-.005	0	%100
99	SA-1L	Z	-.005	-.005	0	%100
100	SA-2R	Z	-.01	-.01	0	%100
101	SA-2L	Z	-.01	-.01	0	%100
102	RRU-2	Z	-.005	-.005	0	%100
103	RRU-1	Z	-.005	-.005	0	%100
104	RRU-3	Z	-.005	-.005	0	%100
105	MP-9	Z	-.005	-.005	0	%100
106	MP-12	Z	-.005	-.005	0	%100
107	MP-5	Z	-.005	-.005	0	%100
108	MP-8	Z	-.005	-.005	0	%100
109	FFHR	Z	-.005	-.005	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,%]
110	SF1-HR	Z	-.005	-.005	0	%100
111	SF2-HR	Z	0	0	0	%100
112	K1	Z	-.009	-.009	0	%100
113	K2	Z	-.009	-.009	0	%100
114	K3	Z	-.009	-.009	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	-.005	-.005	0	%100
2	MP-1	X	-.008	-.008	0	%100
3	MP-2	X	-.008	-.008	0	%100
4	MP-3	X	-.008	-.008	0	%100
5	MP-4	X	-.008	-.008	0	%100
6	SF1-TH	X	-.007	-.007	0	%100
7	MP-6	X	-.008	-.008	0	%100
8	MP-7	X	-.008	-.008	0	%100
9	SF2-TH	X	-.002	-.002	0	%100
10	MP-10	X	-.008	-.008	0	%100
11	MP-11	X	-.008	-.008	0	%100
12	SA-1	X	-.001	-.001	0	%100
13	SA-2	X	-.005	-.005	0	%100
14	SA-3	X	-.004	-.004	0	%100
15	GSI-1	X	-.012	-.012	0	%100
16	GSI-2	X	-.003	-.003	0	%100
17	GSI-3	X	-.01	-.01	0	%100
18	GSI-6	X	-.006	-.006	0	%100
19	GSI-9	X	-.005	-.005	0	%100
20	M24	X	-.006	-.006	0	%100
21	M25	X	-.002	-.002	0	%100
22	GSI-4	X	-.007	-.007	0	%100
23	M28	X	-.002	-.002	0	%100
24	M29	X	-.005	-.005	0	%100
25	GSI-5	X	-.002	-.002	0	%100
26	M32	X	-.005	-.005	0	%100
27	M33	X	-.006	-.006	0	%100
28	GSI-7	X	-.006	-.006	0	%100
29	GSI-8	X	-.002	-.002	0	%100
30	M38	X	-.014	-.014	0	%100
31	M39	X	-.014	-.014	0	%100
32	M44	X	-.016	-.016	0	%100
33	M49	X	-.019	-.019	0	%100
34	M50	X	-.019	-.019	0	%100
35	M55	X	-.019	-.019	0	%100
36	M60	X	-.005	-.005	0	%100
37	M61	X	-.005	-.005	0	%100
38	M66	X	-.005	-.005	0	%100
39	SA-3R	X	-.009	-.009	0	%100
40	SA-3L	X	-.009	-.009	0	%100
41	SA-1R	X	-.004	-.004	0	%100
42	SA-1L	X	-.004	-.004	0	%100
43	SA-2R	X	-.015	-.015	0	%100
44	SA-2L	X	-.015	-.015	0	%100
45	RRU-2	X	-.006	-.006	0	%100
46	RRU-1	X	-.006	-.006	0	%100
47	RRU-3	X	-.006	-.006	0	%100
48	MP-9	X	-.008	-.008	0	%100
49	MP-12	X	-.008	-.008	0	%100
50	MP-5	X	-.008	-.008	0	%100
51	MP-8	X	-.008	-.008	0	%100
52	FFHR	X	-.005	-.005	0	%100
53	SF1-HR	X	-.007	-.007	0	%100
54	SF2-HR	X	-.002	-.002	0	%100

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Designer : LEG
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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,%]
55	K1	X	-.013	-.013	0	%100
56	K2	X	-.013	-.013	0	%100
57	K3	X	-.013	-.013	0	%100
58	FFTH	Z	-.005	-.005	0	%100
59	MP-1	Z	-.008	-.008	0	%100
60	MP-2	Z	-.008	-.008	0	%100
61	MP-3	Z	-.008	-.008	0	%100
62	MP-4	Z	-.008	-.008	0	%100
63	SF1-TH	Z	-.007	-.007	0	%100
64	MP-6	Z	-.008	-.008	0	%100
65	MP-7	Z	-.008	-.008	0	%100
66	SF2-TH	Z	-.002	-.002	0	%100
67	MP-10	Z	-.008	-.008	0	%100
68	MP-11	Z	-.008	-.008	0	%100
69	SA-1	Z	-.002	-.002	0	%100
70	SA-2	Z	-.006	-.006	0	%100
71	SA-3	Z	-.004	-.004	0	%100
72	GSI-1	Z	-.014	-.014	0	%100
73	GSI-2	Z	-.004	-.004	0	%100
74	GSI-3	Z	-.01	-.01	0	%100
75	GSI-6	Z	-.006	-.006	0	%100
76	GSI-9	Z	-.005	-.005	0	%100
77	M24	Z	-.007	-.007	0	%100
78	M25	Z	-.002	-.002	0	%100
79	GSI-4	Z	-.008	-.008	0	%100
80	M28	Z	-.002	-.002	0	%100
81	M29	Z	-.005	-.005	0	%100
82	GSI-5	Z	-.002	-.002	0	%100
83	M32	Z	-.005	-.005	0	%100
84	M33	Z	-.007	-.007	0	%100
85	GSI-7	Z	-.007	-.007	0	%100
86	GSI-8	Z	-.002	-.002	0	%100
87	M38	Z	-.014	-.014	0	%100
88	M39	Z	-.014	-.014	0	%100
89	M44	Z	-.016	-.016	0	%100
90	M49	Z	-.019	-.019	0	%100
91	M50	Z	-.019	-.019	0	%100
92	M55	Z	-.021	-.021	0	%100
93	M60	Z	-.005	-.005	0	%100
94	M61	Z	-.005	-.005	0	%100
95	M66	Z	-.006	-.006	0	%100
96	SA-3R	Z	-.011	-.011	0	%100
97	SA-3L	Z	-.011	-.011	0	%100
98	SA-1R	Z	-.004	-.004	0	%100
99	SA-1L	Z	-.004	-.004	0	%100
100	SA-2R	Z	-.014	-.014	0	%100
101	SA-2L	Z	-.014	-.014	0	%100
102	RRU-2	Z	-.006	-.006	0	%100
103	RRU-1	Z	-.006	-.006	0	%100
104	RRU-3	Z	-.006	-.006	0	%100
105	MP-9	Z	-.008	-.008	0	%100
106	MP-12	Z	-.008	-.008	0	%100
107	MP-5	Z	-.008	-.008	0	%100
108	MP-8	Z	-.008	-.008	0	%100
109	FFHR	Z	-.005	-.005	0	%100
110	SF1-HR	Z	-.007	-.007	0	%100
111	SF2-HR	Z	-.002	-.002	0	%100
112	K1	Z	-.013	-.013	0	%100
113	K2	Z	-.013	-.013	0	%100
114	K3	Z	-.013	-.013	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,%]

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,%]
1	FFTH	X	-.003	-.003	0	%100
2	MP-1	X	-.005	-.005	0	%100
3	MP-2	X	-.005	-.005	0	%100
4	MP-3	X	-.005	-.005	0	%100
5	MP-4	X	-.005	-.005	0	%100
6	SF1-TH	X	-.005	-.005	0	%100
7	MP-6	X	-.005	-.005	0	%100
8	MP-7	X	-.005	-.005	0	%100
9	SF2-TH	X	-.003	-.003	0	%100
10	MP-10	X	-.005	-.005	0	%100
11	MP-11	X	-.005	-.005	0	%100
12	SA-1	X	0	0	0	%100
13	SA-2	X	-.003	-.003	0	%100
14	SA-3	X	-.004	-.004	0	%100
15	GSI-1	X	-.009	-.009	0	%100
16	GSI-2	X	-.004	-.004	0	%100
17	GSI-3	X	-.005	-.005	0	%100
18	GSI-6	X	-.003	-.003	0	%100
19	GSI-9	X	-.003	-.003	0	%100
20	M24	X	-.005	-.005	0	%100
21	M25	X	-.002	-.002	0	%100
22	GSI-4	X	-.005	-.005	0	%100
23	M28	X	-.002	-.002	0	%100
24	M29	X	-.003	-.003	0	%100
25	GSI-5	X	-.003	-.003	0	%100
26	M32	X	-.003	-.003	0	%100
27	M33	X	-.005	-.005	0	%100
28	GSI-7	X	-.005	-.005	0	%100
29	GSI-8	X	-.002	-.002	0	%100
30	M38	X	-.007	-.007	0	%100
31	M39	X	-.007	-.007	0	%100
32	M44	X	-.008	-.008	0	%100
33	M49	X	-.014	-.014	0	%100
34	M50	X	-.014	-.014	0	%100
35	M55	X	-.014	-.014	0	%100
36	M60	X	-.007	-.007	0	%100
37	M61	X	-.007	-.007	0	%100
38	M66	X	-.007	-.007	0	%100
39	SA-3R	X	-.008	-.008	0	%100
40	SA-3L	X	-.008	-.008	0	%100
41	SA-1R	X	0	0	0	%100
42	SA-1L	X	0	0	0	%100
43	SA-2R	X	-.01	-.01	0	%100
44	SA-2L	X	-.01	-.01	0	%100
45	RRU-2	X	-.005	-.005	0	%100
46	RRU-1	X	-.005	-.005	0	%100
47	RRU-3	X	-.005	-.005	0	%100
48	MP-9	X	-.005	-.005	0	%100
49	MP-12	X	-.005	-.005	0	%100
50	MP-5	X	-.005	-.005	0	%100
51	MP-8	X	-.005	-.005	0	%100
52	FFHR	X	-.003	-.003	0	%100
53	SF1-HR	X	-.005	-.005	0	%100
54	SF2-HR	X	-.003	-.003	0	%100
55	K1	X	-.009	-.009	0	%100
56	K2	X	-.009	-.009	0	%100
57	K3	X	-.009	-.009	0	%100
58	FFTH	Z	-.005	-.005	0	%100
59	MP-1	Z	-.009	-.009	0	%100
60	MP-2	Z	-.009	-.009	0	%100
61	MP-3	Z	-.009	-.009	0	%100
62	MP-4	Z	-.009	-.009	0	%100
63	SF1-TH	Z	-.009	-.009	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
64	MP-6	Z	-.009	-.009	0	%100
65	MP-7	Z	-.009	-.009	0	%100
66	SF2-TH	Z	-.005	-.005	0	%100
67	MP-10	Z	-.009	-.009	0	%100
68	MP-11	Z	-.009	-.009	0	%100
69	SA-1	Z	0	0	0	%100
70	SA-2	Z	-.006	-.006	0	%100
71	SA-3	Z	-.006	-.006	0	%100
72	GSI-1	Z	-.017	-.017	0	%100
73	GSI-2	Z	-.009	-.009	0	%100
74	GSI-3	Z	-.009	-.009	0	%100
75	GSI-6	Z	-.005	-.005	0	%100
76	GSI-9	Z	-.004	-.004	0	%100
77	M24	Z	-.009	-.009	0	%100
78	M25	Z	-.004	-.004	0	%100
79	GSI-4	Z	-.01	-.01	0	%100
80	M28	Z	-.005	-.005	0	%100
81	M29	Z	-.004	-.004	0	%100
82	GSI-5	Z	-.005	-.005	0	%100
83	M32	Z	-.004	-.004	0	%100
84	M33	Z	-.009	-.009	0	%100
85	GSI-7	Z	-.008	-.008	0	%100
86	GSI-8	Z	-.004	-.004	0	%100
87	M38	Z	-.012	-.012	0	%100
88	M39	Z	-.012	-.012	0	%100
89	M44	Z	-.014	-.014	0	%100
90	M49	Z	-.024	-.024	0	%100
91	M50	Z	-.024	-.024	0	%100
92	M55	Z	-.027	-.027	0	%100
93	M60	Z	-.012	-.012	0	%100
94	M61	Z	-.012	-.012	0	%100
95	M66	Z	-.014	-.014	0	%100
96	SA-3R	Z	-.017	-.017	0	%100
97	SA-3L	Z	-.017	-.017	0	%100
98	SA-1R	Z	0	0	0	%100
99	SA-1L	Z	0	0	0	%100
100	SA-2R	Z	-.015	-.015	0	%100
101	SA-2L	Z	-.015	-.015	0	%100
102	RRU-2	Z	-.008	-.008	0	%100
103	RRU-1	Z	-.008	-.008	0	%100
104	RRU-3	Z	-.008	-.008	0	%100
105	MP-9	Z	-.009	-.009	0	%100
106	MP-12	Z	-.009	-.009	0	%100
107	MP-5	Z	-.009	-.009	0	%100
108	MP-8	Z	-.009	-.009	0	%100
109	FFHR	Z	-.005	-.005	0	%100
110	SF1-HR	Z	-.009	-.009	0	%100
111	SF2-HR	Z	-.005	-.005	0	%100
112	K1	Z	-.016	-.016	0	%100
113	K2	Z	-.016	-.016	0	%100
114	K3	Z	-.016	-.016	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	MP-1	Z	-.011	-.011	0	%100
3	MP-2	Z	-.011	-.011	0	%100
4	MP-3	Z	-.011	-.011	0	%100
5	MP-4	Z	-.011	-.011	0	%100
6	SF1-TH	Z	-.009	-.009	0	%100
7	MP-6	Z	-.011	-.011	0	%100
8	MP-7	Z	-.011	-.011	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	SF2-TH	Z	-.009	-.009	0	%100
10	MP-10	Z	-.011	-.011	0	%100
11	MP-11	Z	-.011	-.011	0	%100
12	SA-1	Z	-.004	-.004	0	%100
13	SA-2	Z	-.004	-.004	0	%100
14	SA-3	Z	-.008	-.008	0	%100
15	GSI-1	Z	-.017	-.017	0	%100
16	GSI-2	Z	-.017	-.017	0	%100
17	GSI-3	Z	0	0	0	%100
18	GSI-6	Z	0	0	0	%100
19	GSI-9	Z	0	0	0	%100
20	M24	Z	-.009	-.009	0	%100
21	M25	Z	-.009	-.009	0	%100
22	GSI-4	Z	-.01	-.01	0	%100
23	M28	Z	-.009	-.009	0	%100
24	M29	Z	-4.2e-5	-4.2e-5	0	%100
25	GSI-5	Z	-.01	-.01	0	%100
26	M32	Z	-4.2e-5	-4.2e-5	0	%100
27	M33	Z	-.009	-.009	0	%100
28	GSI-7	Z	-.008	-.008	0	%100
29	GSI-8	Z	-.008	-.008	0	%100
30	M38	Z	0	0	0	%100
31	M39	Z	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M49	Z	-.024	-.024	0	%100
34	M50	Z	-.024	-.024	0	%100
35	M55	Z	-.027	-.027	0	%100
36	M60	Z	-.024	-.024	0	%100
37	M61	Z	-.024	-.024	0	%100
38	M66	Z	-.027	-.027	0	%100
39	SA-3R	Z	-.023	-.023	0	%100
40	SA-3L	Z	-.023	-.023	0	%100
41	SA-1R	Z	-.01	-.01	0	%100
42	SA-1L	Z	-.01	-.01	0	%100
43	SA-2R	Z	-.01	-.01	0	%100
44	SA-2L	Z	-.01	-.01	0	%100
45	RRU-2	Z	-.009	-.009	0	%100
46	RRU-1	Z	-.009	-.009	0	%100
47	RRU-3	Z	-.009	-.009	0	%100
48	MP-9	Z	-.011	-.011	0	%100
49	MP-12	Z	-.011	-.011	0	%100
50	MP-5	Z	-.011	-.011	0	%100
51	MP-8	Z	-.011	-.011	0	%100
52	FFHR	Z	0	0	0	%100
53	SF1-HR	Z	-.009	-.009	0	%100
54	SF2-HR	Z	-.009	-.009	0	%100
55	K1	Z	-.019	-.019	0	%100
56	K2	Z	-.019	-.019	0	%100
57	K3	Z	-.019	-.019	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	.003	.003	0	%100
2	MP-1	X	.005	.005	0	%100
3	MP-2	X	.005	.005	0	%100
4	MP-3	X	.005	.005	0	%100
5	MP-4	X	.005	.005	0	%100
6	SF1-TH	X	.003	.003	0	%100
7	MP-6	X	.005	.005	0	%100
8	MP-7	X	.005	.005	0	%100
9	SF2-TH	X	.005	.005	0	%100
10	MP-10	X	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
11	MP-11	X	.005	.005	0	%100
12	SA-1	X	.003	.003	0	%100
13	SA-2	X	0	0	0	%100
14	SA-3	X	.004	.004	0	%100
15	GSI-1	X	.004	.004	0	%100
16	GSI-2	X	.009	.009	0	%100
17	GSI-3	X	.005	.005	0	%100
18	GSI-6	X	.003	.003	0	%100
19	GSI-9	X	.003	.003	0	%100
20	M24	X	.002	.002	0	%100
21	M25	X	.005	.005	0	%100
22	GSI-4	X	.003	.003	0	%100
23	M28	X	.005	.005	0	%100
24	M29	X	.003	.003	0	%100
25	GSI-5	X	.005	.005	0	%100
26	M32	X	.003	.003	0	%100
27	M33	X	.002	.002	0	%100
28	GSI-7	X	.002	.002	0	%100
29	GSI-8	X	.005	.005	0	%100
30	M38	X	.007	.007	0	%100
31	M39	X	.007	.007	0	%100
32	M44	X	.008	.008	0	%100
33	M49	X	.007	.007	0	%100
34	M50	X	.007	.007	0	%100
35	M55	X	.007	.007	0	%100
36	M60	X	.014	.014	0	%100
37	M61	X	.014	.014	0	%100
38	M66	X	.014	.014	0	%100
39	SA-3R	X	.008	.008	0	%100
40	SA-3L	X	.008	.008	0	%100
41	SA-1R	X	.01	.01	0	%100
42	SA-1L	X	.01	.01	0	%100
43	SA-2R	X	0	0	0	%100
44	SA-2L	X	0	0	0	%100
45	RRU-2	X	.005	.005	0	%100
46	RRU-1	X	.005	.005	0	%100
47	RRU-3	X	.005	.005	0	%100
48	MP-9	X	.005	.005	0	%100
49	MP-12	X	.005	.005	0	%100
50	MP-5	X	.005	.005	0	%100
51	MP-8	X	.005	.005	0	%100
52	FFHR	X	.003	.003	0	%100
53	SF1-HR	X	.003	.003	0	%100
54	SF2-HR	X	.005	.005	0	%100
55	K1	X	.009	.009	0	%100
56	K2	X	.009	.009	0	%100
57	K3	X	.009	.009	0	%100
58	FFTH	Z	-.005	-.005	0	%100
59	MP-1	Z	-.009	-.009	0	%100
60	MP-2	Z	-.009	-.009	0	%100
61	MP-3	Z	-.009	-.009	0	%100
62	MP-4	Z	-.009	-.009	0	%100
63	SF1-TH	Z	-.005	-.005	0	%100
64	MP-6	Z	-.009	-.009	0	%100
65	MP-7	Z	-.009	-.009	0	%100
66	SF2-TH	Z	-.009	-.009	0	%100
67	MP-10	Z	-.009	-.009	0	%100
68	MP-11	Z	-.009	-.009	0	%100
69	SA-1	Z	-.006	-.006	0	%100
70	SA-2	Z	0	0	0	%100
71	SA-3	Z	-.006	-.006	0	%100
72	GSI-1	Z	-.009	-.009	0	%100
73	GSI-2	Z	-.017	-.017	0	%100

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,%]
74	GSI-3	Z	-.009	-.009	0	%100
75	GSI-6	Z	-.005	-.005	0	%100
76	GSI-9	Z	-.004	-.004	0	%100
77	M24	Z	-.004	-.004	0	%100
78	M25	Z	-.009	-.009	0	%100
79	GSI-4	Z	-.005	-.005	0	%100
80	M28	Z	-.009	-.009	0	%100
81	M29	Z	-.004	-.004	0	%100
82	GSI-5	Z	-.01	-.01	0	%100
83	M32	Z	-.004	-.004	0	%100
84	M33	Z	-.005	-.005	0	%100
85	GSI-7	Z	-.004	-.004	0	%100
86	GSI-8	Z	-.008	-.008	0	%100
87	M38	Z	-.012	-.012	0	%100
88	M39	Z	-.012	-.012	0	%100
89	M44	Z	-.014	-.014	0	%100
90	M49	Z	-.012	-.012	0	%100
91	M50	Z	-.012	-.012	0	%100
92	M55	Z	-.014	-.014	0	%100
93	M60	Z	-.024	-.024	0	%100
94	M61	Z	-.024	-.024	0	%100
95	M66	Z	-.027	-.027	0	%100
96	SA-3R	Z	-.017	-.017	0	%100
97	SA-3L	Z	-.017	-.017	0	%100
98	SA-1R	Z	-.015	-.015	0	%100
99	SA-1L	Z	-.015	-.015	0	%100
100	SA-2R	Z	0	0	0	%100
101	SA-2L	Z	0	0	0	%100
102	RRU-2	Z	-.008	-.008	0	%100
103	RRU-1	Z	-.008	-.008	0	%100
104	RRU-3	Z	-.008	-.008	0	%100
105	MP-9	Z	-.009	-.009	0	%100
106	MP-12	Z	-.009	-.009	0	%100
107	MP-5	Z	-.009	-.009	0	%100
108	MP-8	Z	-.009	-.009	0	%100
109	FFHR	Z	-.005	-.005	0	%100
110	SF1-HR	Z	-.005	-.005	0	%100
111	SF2-HR	Z	-.009	-.009	0	%100
112	K1	Z	-.016	-.016	0	%100
113	K2	Z	-.016	-.016	0	%100
114	K3	Z	-.016	-.016	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	.005	.005	0	%100
2	MP-1	X	.008	.008	0	%100
3	MP-2	X	.008	.008	0	%100
4	MP-3	X	.008	.008	0	%100
5	MP-4	X	.008	.008	0	%100
6	SF1-TH	X	.002	.002	0	%100
7	MP-6	X	.008	.008	0	%100
8	MP-7	X	.008	.008	0	%100
9	SF2-TH	X	.007	.007	0	%100
10	MP-10	X	.008	.008	0	%100
11	MP-11	X	.008	.008	0	%100
12	SA-1	X	.005	.005	0	%100
13	SA-2	X	.001	.001	0	%100
14	SA-3	X	.004	.004	0	%100
15	GSI-1	X	.003	.003	0	%100
16	GSI-2	X	.012	.012	0	%100
17	GSI-3	X	.01	.01	0	%100
18	GSI-6	X	.006	.006	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
19	GSI-9	X	.005	.005	0	%100
20	M24	X	.002	.002	0	%100
21	M25	X	.006	.006	0	%100
22	GSI-4	X	.002	.002	0	%100
23	M28	X	.006	.006	0	%100
24	M29	X	.005	.005	0	%100
25	GSI-5	X	.007	.007	0	%100
26	M32	X	.005	.005	0	%100
27	M33	X	.002	.002	0	%100
28	GSI-7	X	.002	.002	0	%100
29	GSI-8	X	.006	.006	0	%100
30	M38	X	.014	.014	0	%100
31	M39	X	.014	.014	0	%100
32	M44	X	.016	.016	0	%100
33	M49	X	.005	.005	0	%100
34	M50	X	.005	.005	0	%100
35	M55	X	.005	.005	0	%100
36	M60	X	.019	.019	0	%100
37	M61	X	.019	.019	0	%100
38	M66	X	.019	.019	0	%100
39	SA-3R	X	.009	.009	0	%100
40	SA-3L	X	.009	.009	0	%100
41	SA-1R	X	.015	.015	0	%100
42	SA-1L	X	.015	.015	0	%100
43	SA-2R	X	.004	.004	0	%100
44	SA-2L	X	.004	.004	0	%100
45	RRU-2	X	.006	.006	0	%100
46	RRU-1	X	.006	.006	0	%100
47	RRU-3	X	.006	.006	0	%100
48	MP-9	X	.008	.008	0	%100
49	MP-12	X	.008	.008	0	%100
50	MP-5	X	.008	.008	0	%100
51	MP-8	X	.008	.008	0	%100
52	FFHR	X	.005	.005	0	%100
53	SF1-HR	X	.002	.002	0	%100
54	SF2-HR	X	.007	.007	0	%100
55	K1	X	.013	.013	0	%100
56	K2	X	.013	.013	0	%100
57	K3	X	.013	.013	0	%100
58	FFTH	Z	-.005	-.005	0	%100
59	MP-1	Z	-.008	-.008	0	%100
60	MP-2	Z	-.008	-.008	0	%100
61	MP-3	Z	-.008	-.008	0	%100
62	MP-4	Z	-.008	-.008	0	%100
63	SF1-TH	Z	-.002	-.002	0	%100
64	MP-6	Z	-.008	-.008	0	%100
65	MP-7	Z	-.008	-.008	0	%100
66	SF2-TH	Z	-.007	-.007	0	%100
67	MP-10	Z	-.008	-.008	0	%100
68	MP-11	Z	-.008	-.008	0	%100
69	SA-1	Z	-.006	-.006	0	%100
70	SA-2	Z	-.002	-.002	0	%100
71	SA-3	Z	-.004	-.004	0	%100
72	GSI-1	Z	-.004	-.004	0	%100
73	GSI-2	Z	-.014	-.014	0	%100
74	GSI-3	Z	-.01	-.01	0	%100
75	GSI-6	Z	-.006	-.006	0	%100
76	GSI-9	Z	-.005	-.005	0	%100
77	M24	Z	-.002	-.002	0	%100
78	M25	Z	-.007	-.007	0	%100
79	GSI-4	Z	-.002	-.002	0	%100
80	M28	Z	-.007	-.007	0	%100
81	M29	Z	-.005	-.005	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,%]
82	GSI-5	Z	-.008	-.008	0	%100
83	M32	Z	-.005	-.005	0	%100
84	M33	Z	-.002	-.002	0	%100
85	GSI-7	Z	-.002	-.002	0	%100
86	GSI-8	Z	-.007	-.007	0	%100
87	M38	Z	-.014	-.014	0	%100
88	M39	Z	-.014	-.014	0	%100
89	M44	Z	-.016	-.016	0	%100
90	M49	Z	-.005	-.005	0	%100
91	M50	Z	-.005	-.005	0	%100
92	M55	Z	-.006	-.006	0	%100
93	M60	Z	-.019	-.019	0	%100
94	M61	Z	-.019	-.019	0	%100
95	M66	Z	-.021	-.021	0	%100
96	SA-3R	Z	-.011	-.011	0	%100
97	SA-3L	Z	-.011	-.011	0	%100
98	SA-1R	Z	-.014	-.014	0	%100
99	SA-1L	Z	-.014	-.014	0	%100
100	SA-2R	Z	-.004	-.004	0	%100
101	SA-2L	Z	-.004	-.004	0	%100
102	RRU-2	Z	-.006	-.006	0	%100
103	RRU-1	Z	-.006	-.006	0	%100
104	RRU-3	Z	-.006	-.006	0	%100
105	MP-9	Z	-.008	-.008	0	%100
106	MP-12	Z	-.008	-.008	0	%100
107	MP-5	Z	-.008	-.008	0	%100
108	MP-8	Z	-.008	-.008	0	%100
109	FFHR	Z	-.005	-.005	0	%100
110	SF1-HR	Z	-.002	-.002	0	%100
111	SF2-HR	Z	-.007	-.007	0	%100
112	K1	Z	-.013	-.013	0	%100
113	K2	Z	-.013	-.013	0	%100
114	K3	Z	-.013	-.013	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	.008	.008	0	%100
2	MP-1	X	.009	.009	0	%100
3	MP-2	X	.009	.009	0	%100
4	MP-3	X	.009	.009	0	%100
5	MP-4	X	.009	.009	0	%100
6	SF1-TH	X	0	0	0	%100
7	MP-6	X	.009	.009	0	%100
8	MP-7	X	.009	.009	0	%100
9	SF2-TH	X	.008	.008	0	%100
10	MP-10	X	.009	.009	0	%100
11	MP-11	X	.009	.009	0	%100
12	SA-1	X	.007	.007	0	%100
13	SA-2	X	.003	.003	0	%100
14	SA-3	X	.004	.004	0	%100
15	GSI-1	X	0	0	0	%100
16	GSI-2	X	.013	.013	0	%100
17	GSI-3	X	.016	.016	0	%100
18	GSI-6	X	.009	.009	0	%100
19	GSI-9	X	.008	.008	0	%100
20	M24	X	3.8e-5	3.8e-5	0	%100
21	M25	X	.007	.007	0	%100
22	GSI-4	X	0	0	0	%100
23	M28	X	.007	.007	0	%100
24	M29	X	.008	.008	0	%100
25	GSI-5	X	.008	.008	0	%100
26	M32	X	.008	.008	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,%]
27	M33	X	3.8e-5	3.8e-5	0	%100
28	GSI-7	X	0	0	0	%100
29	GSI-8	X	.007	.007	0	%100
30	M38	X	.021	.021	0	%100
31	M39	X	.021	.021	0	%100
32	M44	X	.024	.024	0	%100
33	M49	X	0	0	0	%100
34	M50	X	0	0	0	%100
35	M55	X	0	0	0	%100
36	M60	X	.02	.02	0	%100
37	M61	X	.02	.02	0	%100
38	M66	X	.021	.021	0	%100
39	SA-3R	X	.008	.008	0	%100
40	SA-3L	X	.008	.008	0	%100
41	SA-1R	X	.019	.019	0	%100
42	SA-1L	X	.019	.019	0	%100
43	SA-2R	X	.01	.01	0	%100
44	SA-2L	X	.01	.01	0	%100
45	RRU-2	X	.008	.008	0	%100
46	RRU-1	X	.008	.008	0	%100
47	RRU-3	X	.008	.008	0	%100
48	MP-9	X	.009	.009	0	%100
49	MP-12	X	.009	.009	0	%100
50	MP-5	X	.009	.009	0	%100
51	MP-8	X	.009	.009	0	%100
52	FFHR	X	.008	.008	0	%100
53	SF1-HR	X	0	0	0	%100
54	SF2-HR	X	.008	.008	0	%100
55	K1	X	.016	.016	0	%100
56	K2	X	.016	.016	0	%100
57	K3	X	.016	.016	0	%100
58	FFTH	Z	-.005	-.005	0	%100
59	MP-1	Z	-.005	-.005	0	%100
60	MP-2	Z	-.005	-.005	0	%100
61	MP-3	Z	-.005	-.005	0	%100
62	MP-4	Z	-.005	-.005	0	%100
63	SF1-TH	Z	0	0	0	%100
64	MP-6	Z	-.005	-.005	0	%100
65	MP-7	Z	-.005	-.005	0	%100
66	SF2-TH	Z	-.005	-.005	0	%100
67	MP-10	Z	-.005	-.005	0	%100
68	MP-11	Z	-.005	-.005	0	%100
69	SA-1	Z	-.004	-.004	0	%100
70	SA-2	Z	-.002	-.002	0	%100
71	SA-3	Z	-.002	-.002	0	%100
72	GSI-1	Z	0	0	0	%100
73	GSI-2	Z	-.009	-.009	0	%100
74	GSI-3	Z	-.009	-.009	0	%100
75	GSI-6	Z	-.005	-.005	0	%100
76	GSI-9	Z	-.004	-.004	0	%100
77	M24	Z	-2.4e-5	-2.4e-5	0	%100
78	M25	Z	-.005	-.005	0	%100
79	GSI-4	Z	0	0	0	%100
80	M28	Z	-.004	-.004	0	%100
81	M29	Z	-.004	-.004	0	%100
82	GSI-5	Z	-.005	-.005	0	%100
83	M32	Z	-.004	-.004	0	%100
84	M33	Z	-2.4e-5	-2.4e-5	0	%100
85	GSI-7	Z	0	0	0	%100
86	GSI-8	Z	-.004	-.004	0	%100
87	M38	Z	-.012	-.012	0	%100
88	M39	Z	-.012	-.012	0	%100
89	M44	Z	-.014	-.014	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,%]
90	M49	Z	0	0	0	%100
91	M50	Z	0	0	0	%100
92	M55	Z	0	0	0	%100
93	M60	Z	-.012	-.012	0	%100
94	M61	Z	-.012	-.012	0	%100
95	M66	Z	-.014	-.014	0	%100
96	SA-3R	Z	-.006	-.006	0	%100
97	SA-3L	Z	-.006	-.006	0	%100
98	SA-1R	Z	-.01	-.01	0	%100
99	SA-1L	Z	-.01	-.01	0	%100
100	SA-2R	Z	-.005	-.005	0	%100
101	SA-2L	Z	-.005	-.005	0	%100
102	RRU-2	Z	-.005	-.005	0	%100
103	RRU-1	Z	-.005	-.005	0	%100
104	RRU-3	Z	-.005	-.005	0	%100
105	MP-9	Z	-.005	-.005	0	%100
106	MP-12	Z	-.005	-.005	0	%100
107	MP-5	Z	-.005	-.005	0	%100
108	MP-8	Z	-.005	-.005	0	%100
109	FFHR	Z	-.005	-.005	0	%100
110	SF1-HR	Z	0	0	0	%100
111	SF2-HR	Z	-.005	-.005	0	%100
112	K1	Z	-.009	-.009	0	%100
113	K2	Z	-.009	-.009	0	%100
114	K3	Z	-.009	-.009	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,%]
1	FFTH	X	.011	.011	0	%100
2	MP-1	X	.011	.011	0	%100
3	MP-2	X	.011	.011	0	%100
4	MP-3	X	.011	.011	0	%100
5	MP-4	X	.011	.011	0	%100
6	SF1-TH	X	.005	.005	0	%100
7	MP-6	X	.011	.011	0	%100
8	MP-7	X	.011	.011	0	%100
9	SF2-TH	X	.005	.005	0	%100
10	MP-10	X	.011	.011	0	%100
11	MP-11	X	.011	.011	0	%100
12	SA-1	X	.007	.007	0	%100
13	SA-2	X	.007	.007	0	%100
14	SA-3	X	0	0	0	%100
15	GSI-1	X	.009	.009	0	%100
16	GSI-2	X	.009	.009	0	%100
17	GSI-3	X	.021	.021	0	%100
18	GSI-6	X	.012	.012	0	%100
19	GSI-9	X	.01	.01	0	%100
20	M24	X	.005	.005	0	%100
21	M25	X	.005	.005	0	%100
22	GSI-4	X	.005	.005	0	%100
23	M28	X	.005	.005	0	%100
24	M29	X	.011	.011	0	%100
25	GSI-5	X	.005	.005	0	%100
26	M32	X	.011	.011	0	%100
27	M33	X	.005	.005	0	%100
28	GSI-7	X	.005	.005	0	%100
29	GSI-8	X	.005	.005	0	%100
30	M38	X	.028	.028	0	%100
31	M39	X	.028	.028	0	%100
32	M44	X	.032	.032	0	%100
33	M49	X	.014	.014	0	%100
34	M50	X	.014	.014	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
Nov 4, 2019
9:45 AM
Checked By: HBC

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,%]
35	M55	X	.014	.014	0	%100
36	M60	X	.014	.014	0	%100
37	M61	X	.014	.014	0	%100
38	M66	X	.014	.014	0	%100
39	SA-3R	X	0	0	0	%100
40	SA-3L	X	0	0	0	%100
41	SA-1R	X	.019	.019	0	%100
42	SA-1L	X	.019	.019	0	%100
43	SA-2R	X	.019	.019	0	%100
44	SA-2L	X	.019	.019	0	%100
45	RRU-2	X	.009	.009	0	%100
46	RRU-1	X	.009	.009	0	%100
47	RRU-3	X	.009	.009	0	%100
48	MP-9	X	.011	.011	0	%100
49	MP-12	X	.011	.011	0	%100
50	MP-5	X	.011	.011	0	%100
51	MP-8	X	.011	.011	0	%100
52	FFHR	X	.011	.011	0	%100
53	SF1-HR	X	.005	.005	0	%100
54	SF2-HR	X	.005	.005	0	%100
55	K1	X	.019	.019	0	%100
56	K2	X	.019	.019	0	%100
57	K3	X	.019	.019	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	.008	.008	0	%100
2	MP-1	X	.009	.009	0	%100
3	MP-2	X	.009	.009	0	%100
4	MP-3	X	.009	.009	0	%100
5	MP-4	X	.009	.009	0	%100
6	SF1-TH	X	.008	.008	0	%100
7	MP-6	X	.009	.009	0	%100
8	MP-7	X	.009	.009	0	%100
9	SF2-TH	X	0	0	0	%100
10	MP-10	X	.009	.009	0	%100
11	MP-11	X	.009	.009	0	%100
12	SA-1	X	.003	.003	0	%100
13	SA-2	X	.007	.007	0	%100
14	SA-3	X	.004	.004	0	%100
15	GSI-1	X	.013	.013	0	%100
16	GSI-2	X	0	0	0	%100
17	GSI-3	X	.016	.016	0	%100
18	GSI-6	X	.009	.009	0	%100
19	GSI-9	X	.008	.008	0	%100
20	M24	X	.007	.007	0	%100
21	M25	X	3.8e-5	3.8e-5	0	%100
22	GSI-4	X	.008	.008	0	%100
23	M28	X	3.8e-5	3.8e-5	0	%100
24	M29	X	.008	.008	0	%100
25	GSI-5	X	0	0	0	%100
26	M32	X	.008	.008	0	%100
27	M33	X	.007	.007	0	%100
28	GSI-7	X	.007	.007	0	%100
29	GSI-8	X	0	0	0	%100
30	M38	X	.021	.021	0	%100
31	M39	X	.021	.021	0	%100
32	M44	X	.024	.024	0	%100
33	M49	X	.02	.02	0	%100
34	M50	X	.02	.02	0	%100
35	M55	X	.021	.021	0	%100
36	M60	X	0	0	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,%]
37	M61	X	0	0	0	%100
38	M66	X	0	0	0	%100
39	SA-3R	X	.008	.008	0	%100
40	SA-3L	X	.008	.008	0	%100
41	SA-1R	X	.01	.01	0	%100
42	SA-1L	X	.01	.01	0	%100
43	SA-2R	X	.019	.019	0	%100
44	SA-2L	X	.019	.019	0	%100
45	RRU-2	X	.008	.008	0	%100
46	RRU-1	X	.008	.008	0	%100
47	RRU-3	X	.008	.008	0	%100
48	MP-9	X	.009	.009	0	%100
49	MP-12	X	.009	.009	0	%100
50	MP-5	X	.009	.009	0	%100
51	MP-8	X	.009	.009	0	%100
52	FFHR	X	.008	.008	0	%100
53	SF1-HR	X	.008	.008	0	%100
54	SF2-HR	X	0	0	0	%100
55	K1	X	.016	.016	0	%100
56	K2	X	.016	.016	0	%100
57	K3	X	.016	.016	0	%100
58	FFTH	Z	.005	.005	0	%100
59	MP-1	Z	.005	.005	0	%100
60	MP-2	Z	.005	.005	0	%100
61	MP-3	Z	.005	.005	0	%100
62	MP-4	Z	.005	.005	0	%100
63	SF1-TH	Z	.005	.005	0	%100
64	MP-6	Z	.005	.005	0	%100
65	MP-7	Z	.005	.005	0	%100
66	SF2-TH	Z	0	0	0	%100
67	MP-10	Z	.005	.005	0	%100
68	MP-11	Z	.005	.005	0	%100
69	SA-1	Z	.002	.002	0	%100
70	SA-2	Z	.004	.004	0	%100
71	SA-3	Z	.002	.002	0	%100
72	GSI-1	Z	.009	.009	0	%100
73	GSI-2	Z	0	0	0	%100
74	GSI-3	Z	.009	.009	0	%100
75	GSI-6	Z	.005	.005	0	%100
76	GSI-9	Z	.004	.004	0	%100
77	M24	Z	.005	.005	0	%100
78	M25	Z	2.4e-5	2.4e-5	0	%100
79	GSI-4	Z	.005	.005	0	%100
80	M28	Z	2.4e-5	2.4e-5	0	%100
81	M29	Z	.004	.004	0	%100
82	GSI-5	Z	0	0	0	%100
83	M32	Z	.004	.004	0	%100
84	M33	Z	.004	.004	0	%100
85	GSI-7	Z	.004	.004	0	%100
86	GSI-8	Z	0	0	0	%100
87	M38	Z	.012	.012	0	%100
88	M39	Z	.012	.012	0	%100
89	M44	Z	.014	.014	0	%100
90	M49	Z	.012	.012	0	%100
91	M50	Z	.012	.012	0	%100
92	M55	Z	.014	.014	0	%100
93	M60	Z	0	0	0	%100
94	M61	Z	0	0	0	%100
95	M66	Z	0	0	0	%100
96	SA-3R	Z	.006	.006	0	%100
97	SA-3L	Z	.006	.006	0	%100
98	SA-1R	Z	.005	.005	0	%100
99	SA-1L	Z	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
Nov 4, 2019
9:45 AM
Checked By: HBC

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,%]
100	SA-2R	Z	.01	.01	0	%100
101	SA-2L	Z	.01	.01	0	%100
102	RRU-2	Z	.005	.005	0	%100
103	RRU-1	Z	.005	.005	0	%100
104	RRU-3	Z	.005	.005	0	%100
105	MP-9	Z	.005	.005	0	%100
106	MP-12	Z	.005	.005	0	%100
107	MP-5	Z	.005	.005	0	%100
108	MP-8	Z	.005	.005	0	%100
109	FFHR	Z	.005	.005	0	%100
110	SF1-HR	Z	.005	.005	0	%100
111	SF2-HR	Z	0	0	0	%100
112	K1	Z	.009	.009	0	%100
113	K2	Z	.009	.009	0	%100
114	K3	Z	.009	.009	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	.005	.005	0	%100
2	MP-1	X	.008	.008	0	%100
3	MP-2	X	.008	.008	0	%100
4	MP-3	X	.008	.008	0	%100
5	MP-4	X	.008	.008	0	%100
6	SF1-TH	X	.007	.007	0	%100
7	MP-6	X	.008	.008	0	%100
8	MP-7	X	.008	.008	0	%100
9	SF2-TH	X	.002	.002	0	%100
10	MP-10	X	.008	.008	0	%100
11	MP-11	X	.008	.008	0	%100
12	SA-1	X	.001	.001	0	%100
13	SA-2	X	.005	.005	0	%100
14	SA-3	X	.004	.004	0	%100
15	GSI-1	X	.012	.012	0	%100
16	GSI-2	X	.003	.003	0	%100
17	GSI-3	X	.01	.01	0	%100
18	GSI-6	X	.006	.006	0	%100
19	GSI-9	X	.005	.005	0	%100
20	M24	X	.006	.006	0	%100
21	M25	X	.002	.002	0	%100
22	GSI-4	X	.007	.007	0	%100
23	M28	X	.002	.002	0	%100
24	M29	X	.005	.005	0	%100
25	GSI-5	X	.002	.002	0	%100
26	M32	X	.005	.005	0	%100
27	M33	X	.006	.006	0	%100
28	GSI-7	X	.006	.006	0	%100
29	GSI-8	X	.002	.002	0	%100
30	M38	X	.014	.014	0	%100
31	M39	X	.014	.014	0	%100
32	M44	X	.016	.016	0	%100
33	M49	X	.019	.019	0	%100
34	M50	X	.019	.019	0	%100
35	M55	X	.019	.019	0	%100
36	M60	X	.005	.005	0	%100
37	M61	X	.005	.005	0	%100
38	M66	X	.005	.005	0	%100
39	SA-3R	X	.009	.009	0	%100
40	SA-3L	X	.009	.009	0	%100
41	SA-1R	X	.004	.004	0	%100
42	SA-1L	X	.004	.004	0	%100
43	SA-2R	X	.015	.015	0	%100
44	SA-2L	X	.015	.015	0	%100

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,%]
45	RRU-2	X	.006	.006	0	%100
46	RRU-1	X	.006	.006	0	%100
47	RRU-3	X	.006	.006	0	%100
48	MP-9	X	.008	.008	0	%100
49	MP-12	X	.008	.008	0	%100
50	MP-5	X	.008	.008	0	%100
51	MP-8	X	.008	.008	0	%100
52	FFHR	X	.005	.005	0	%100
53	SF1-HR	X	.007	.007	0	%100
54	SF2-HR	X	.002	.002	0	%100
55	K1	X	.013	.013	0	%100
56	K2	X	.013	.013	0	%100
57	K3	X	.013	.013	0	%100
58	FFTH	Z	.005	.005	0	%100
59	MP-1	Z	.008	.008	0	%100
60	MP-2	Z	.008	.008	0	%100
61	MP-3	Z	.008	.008	0	%100
62	MP-4	Z	.008	.008	0	%100
63	SF1-TH	Z	.007	.007	0	%100
64	MP-6	Z	.008	.008	0	%100
65	MP-7	Z	.008	.008	0	%100
66	SF2-TH	Z	.002	.002	0	%100
67	MP-10	Z	.008	.008	0	%100
68	MP-11	Z	.008	.008	0	%100
69	SA-1	Z	.002	.002	0	%100
70	SA-2	Z	.006	.006	0	%100
71	SA-3	Z	.004	.004	0	%100
72	GSI-1	Z	.014	.014	0	%100
73	GSI-2	Z	.004	.004	0	%100
74	GSI-3	Z	.01	.01	0	%100
75	GSI-6	Z	.006	.006	0	%100
76	GSI-9	Z	.005	.005	0	%100
77	M24	Z	.007	.007	0	%100
78	M25	Z	.002	.002	0	%100
79	GSI-4	Z	.008	.008	0	%100
80	M28	Z	.002	.002	0	%100
81	M29	Z	.005	.005	0	%100
82	GSI-5	Z	.002	.002	0	%100
83	M32	Z	.005	.005	0	%100
84	M33	Z	.007	.007	0	%100
85	GSI-7	Z	.007	.007	0	%100
86	GSI-8	Z	.002	.002	0	%100
87	M38	Z	.014	.014	0	%100
88	M39	Z	.014	.014	0	%100
89	M44	Z	.016	.016	0	%100
90	M49	Z	.019	.019	0	%100
91	M50	Z	.019	.019	0	%100
92	M55	Z	.021	.021	0	%100
93	M60	Z	.005	.005	0	%100
94	M61	Z	.005	.005	0	%100
95	M66	Z	.006	.006	0	%100
96	SA-3R	Z	.011	.011	0	%100
97	SA-3L	Z	.011	.011	0	%100
98	SA-1R	Z	.004	.004	0	%100
99	SA-1L	Z	.004	.004	0	%100
100	SA-2R	Z	.014	.014	0	%100
101	SA-2L	Z	.014	.014	0	%100
102	RRU-2	Z	.006	.006	0	%100
103	RRU-1	Z	.006	.006	0	%100
104	RRU-3	Z	.006	.006	0	%100
105	MP-9	Z	.008	.008	0	%100
106	MP-12	Z	.008	.008	0	%100
107	MP-5	Z	.008	.008	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
Nov 4, 2019
9:45 AM
Checked By: HBC

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,%]
108	MP-8	Z	.008	.008	0	%100
109	FFHR	Z	.005	.005	0	%100
110	SF1-HR	Z	.007	.007	0	%100
111	SF2-HR	Z	.002	.002	0	%100
112	K1	Z	.013	.013	0	%100
113	K2	Z	.013	.013	0	%100
114	K3	Z	.013	.013	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	.003	.003	0	%100
2	MP-1	X	.005	.005	0	%100
3	MP-2	X	.005	.005	0	%100
4	MP-3	X	.005	.005	0	%100
5	MP-4	X	.005	.005	0	%100
6	SF1-TH	X	.005	.005	0	%100
7	MP-6	X	.005	.005	0	%100
8	MP-7	X	.005	.005	0	%100
9	SF2-TH	X	.003	.003	0	%100
10	MP-10	X	.005	.005	0	%100
11	MP-11	X	.005	.005	0	%100
12	SA-1	X	0	0	0	%100
13	SA-2	X	.003	.003	0	%100
14	SA-3	X	.004	.004	0	%100
15	GSI-1	X	.009	.009	0	%100
16	GSI-2	X	.004	.004	0	%100
17	GSI-3	X	.005	.005	0	%100
18	GSI-6	X	.003	.003	0	%100
19	GSI-9	X	.003	.003	0	%100
20	M24	X	.005	.005	0	%100
21	M25	X	.002	.002	0	%100
22	GSI-4	X	.005	.005	0	%100
23	M28	X	.002	.002	0	%100
24	M29	X	.003	.003	0	%100
25	GSI-5	X	.003	.003	0	%100
26	M32	X	.003	.003	0	%100
27	M33	X	.005	.005	0	%100
28	GSI-7	X	.005	.005	0	%100
29	GSI-8	X	.002	.002	0	%100
30	M38	X	.007	.007	0	%100
31	M39	X	.007	.007	0	%100
32	M44	X	.008	.008	0	%100
33	M49	X	.014	.014	0	%100
34	M50	X	.014	.014	0	%100
35	M55	X	.014	.014	0	%100
36	M60	X	.007	.007	0	%100
37	M61	X	.007	.007	0	%100
38	M66	X	.007	.007	0	%100
39	SA-3R	X	.008	.008	0	%100
40	SA-3L	X	.008	.008	0	%100
41	SA-1R	X	0	0	0	%100
42	SA-1L	X	0	0	0	%100
43	SA-2R	X	.01	.01	0	%100
44	SA-2L	X	.01	.01	0	%100
45	RRU-2	X	.005	.005	0	%100
46	RRU-1	X	.005	.005	0	%100
47	RRU-3	X	.005	.005	0	%100
48	MP-9	X	.005	.005	0	%100
49	MP-12	X	.005	.005	0	%100
50	MP-5	X	.005	.005	0	%100
51	MP-8	X	.005	.005	0	%100
52	FFHR	X	.003	.003	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,%]
53	SF1-HR	X	.005	.005	0	%100
54	SF2-HR	X	.003	.003	0	%100
55	K1	X	.009	.009	0	%100
56	K2	X	.009	.009	0	%100
57	K3	X	.009	.009	0	%100
58	FFTH	Z	.005	.005	0	%100
59	MP-1	Z	.009	.009	0	%100
60	MP-2	Z	.009	.009	0	%100
61	MP-3	Z	.009	.009	0	%100
62	MP-4	Z	.009	.009	0	%100
63	SF1-TH	Z	.009	.009	0	%100
64	MP-6	Z	.009	.009	0	%100
65	MP-7	Z	.009	.009	0	%100
66	SF2-TH	Z	.005	.005	0	%100
67	MP-10	Z	.009	.009	0	%100
68	MP-11	Z	.009	.009	0	%100
69	SA-1	Z	0	0	0	%100
70	SA-2	Z	.006	.006	0	%100
71	SA-3	Z	.006	.006	0	%100
72	GSI-1	Z	.017	.017	0	%100
73	GSI-2	Z	.009	.009	0	%100
74	GSI-3	Z	.009	.009	0	%100
75	GSI-6	Z	.005	.005	0	%100
76	GSI-9	Z	.004	.004	0	%100
77	M24	Z	.009	.009	0	%100
78	M25	Z	.004	.004	0	%100
79	GSI-4	Z	.01	.01	0	%100
80	M28	Z	.005	.005	0	%100
81	M29	Z	.004	.004	0	%100
82	GSI-5	Z	.005	.005	0	%100
83	M32	Z	.004	.004	0	%100
84	M33	Z	.009	.009	0	%100
85	GSI-7	Z	.008	.008	0	%100
86	GSI-8	Z	.004	.004	0	%100
87	M38	Z	.012	.012	0	%100
88	M39	Z	.012	.012	0	%100
89	M44	Z	.014	.014	0	%100
90	M49	Z	.024	.024	0	%100
91	M50	Z	.024	.024	0	%100
92	M55	Z	.027	.027	0	%100
93	M60	Z	.012	.012	0	%100
94	M61	Z	.012	.012	0	%100
95	M66	Z	.014	.014	0	%100
96	SA-3R	Z	.017	.017	0	%100
97	SA-3L	Z	.017	.017	0	%100
98	SA-1R	Z	0	0	0	%100
99	SA-1L	Z	0	0	0	%100
100	SA-2R	Z	.015	.015	0	%100
101	SA-2L	Z	.015	.015	0	%100
102	RRU-2	Z	.008	.008	0	%100
103	RRU-1	Z	.008	.008	0	%100
104	RRU-3	Z	.008	.008	0	%100
105	MP-9	Z	.009	.009	0	%100
106	MP-12	Z	.009	.009	0	%100
107	MP-5	Z	.009	.009	0	%100
108	MP-8	Z	.009	.009	0	%100
109	FFHR	Z	.005	.005	0	%100
110	SF1-HR	Z	.009	.009	0	%100
111	SF2-HR	Z	.005	.005	0	%100
112	K1	Z	.016	.016	0	%100
113	K2	Z	.016	.016	0	%100
114	K3	Z	.016	.016	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
Nov 4, 2019
9:45 AM
Checked By: HBC

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	MP-1	Z	.011	.011	0	%100
3	MP-2	Z	.011	.011	0	%100
4	MP-3	Z	.011	.011	0	%100
5	MP-4	Z	.011	.011	0	%100
6	SF1-TH	Z	.009	.009	0	%100
7	MP-6	Z	.011	.011	0	%100
8	MP-7	Z	.011	.011	0	%100
9	SF2-TH	Z	.009	.009	0	%100
10	MP-10	Z	.011	.011	0	%100
11	MP-11	Z	.011	.011	0	%100
12	SA-1	Z	.004	.004	0	%100
13	SA-2	Z	.004	.004	0	%100
14	SA-3	Z	.008	.008	0	%100
15	GSI-1	Z	.017	.017	0	%100
16	GSI-2	Z	.017	.017	0	%100
17	GSI-3	Z	0	0	0	%100
18	GSI-6	Z	0	0	0	%100
19	GSI-9	Z	0	0	0	%100
20	M24	Z	.009	.009	0	%100
21	M25	Z	.009	.009	0	%100
22	GSI-4	Z	.01	.01	0	%100
23	M28	Z	.009	.009	0	%100
24	M29	Z	4.2e-5	4.2e-5	0	%100
25	GSI-5	Z	.01	.01	0	%100
26	M32	Z	4.2e-5	4.2e-5	0	%100
27	M33	Z	.009	.009	0	%100
28	GSI-7	Z	.008	.008	0	%100
29	GSI-8	Z	.008	.008	0	%100
30	M38	Z	0	0	0	%100
31	M39	Z	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M49	Z	.024	.024	0	%100
34	M50	Z	.024	.024	0	%100
35	M55	Z	.027	.027	0	%100
36	M60	Z	.024	.024	0	%100
37	M61	Z	.024	.024	0	%100
38	M66	Z	.027	.027	0	%100
39	SA-3R	Z	.023	.023	0	%100
40	SA-3L	Z	.023	.023	0	%100
41	SA-1R	Z	.01	.01	0	%100
42	SA-1L	Z	.01	.01	0	%100
43	SA-2R	Z	.01	.01	0	%100
44	SA-2L	Z	.01	.01	0	%100
45	RRU-2	Z	.009	.009	0	%100
46	RRU-1	Z	.009	.009	0	%100
47	RRU-3	Z	.009	.009	0	%100
48	MP-9	Z	.011	.011	0	%100
49	MP-12	Z	.011	.011	0	%100
50	MP-5	Z	.011	.011	0	%100
51	MP-8	Z	.011	.011	0	%100
52	FFHR	Z	0	0	0	%100
53	SF1-HR	Z	.009	.009	0	%100
54	SF2-HR	Z	.009	.009	0	%100
55	K1	Z	.019	.019	0	%100
56	K2	Z	.019	.019	0	%100
57	K3	Z	.019	.019	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	-.003	-.003	0	%100
2	MP-1	X	-.005	-.005	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,%]
3	MP-2	X	-.005	-.005	0	%100
4	MP-3	X	-.005	-.005	0	%100
5	MP-4	X	-.005	-.005	0	%100
6	SF1-TH	X	-.003	-.003	0	%100
7	MP-6	X	-.005	-.005	0	%100
8	MP-7	X	-.005	-.005	0	%100
9	SF2-TH	X	-.005	-.005	0	%100
10	MP-10	X	-.005	-.005	0	%100
11	MP-11	X	-.005	-.005	0	%100
12	SA-1	X	-.003	-.003	0	%100
13	SA-2	X	0	0	0	%100
14	SA-3	X	-.004	-.004	0	%100
15	GSI-1	X	-.004	-.004	0	%100
16	GSI-2	X	-.009	-.009	0	%100
17	GSI-3	X	-.005	-.005	0	%100
18	GSI-6	X	-.003	-.003	0	%100
19	GSI-9	X	-.003	-.003	0	%100
20	M24	X	-.002	-.002	0	%100
21	M25	X	-.005	-.005	0	%100
22	GSI-4	X	-.003	-.003	0	%100
23	M28	X	-.005	-.005	0	%100
24	M29	X	-.003	-.003	0	%100
25	GSI-5	X	-.005	-.005	0	%100
26	M32	X	-.003	-.003	0	%100
27	M33	X	-.002	-.002	0	%100
28	GSI-7	X	-.002	-.002	0	%100
29	GSI-8	X	-.005	-.005	0	%100
30	M38	X	-.007	-.007	0	%100
31	M39	X	-.007	-.007	0	%100
32	M44	X	-.008	-.008	0	%100
33	M49	X	-.007	-.007	0	%100
34	M50	X	-.007	-.007	0	%100
35	M55	X	-.007	-.007	0	%100
36	M60	X	-.014	-.014	0	%100
37	M61	X	-.014	-.014	0	%100
38	M66	X	-.014	-.014	0	%100
39	SA-3R	X	-.008	-.008	0	%100
40	SA-3L	X	-.008	-.008	0	%100
41	SA-1R	X	-.01	-.01	0	%100
42	SA-1L	X	-.01	-.01	0	%100
43	SA-2R	X	0	0	0	%100
44	SA-2L	X	0	0	0	%100
45	RRU-2	X	-.005	-.005	0	%100
46	RRU-1	X	-.005	-.005	0	%100
47	RRU-3	X	-.005	-.005	0	%100
48	MP-9	X	-.005	-.005	0	%100
49	MP-12	X	-.005	-.005	0	%100
50	MP-5	X	-.005	-.005	0	%100
51	MP-8	X	-.005	-.005	0	%100
52	FFHR	X	-.003	-.003	0	%100
53	SF1-HR	X	-.003	-.003	0	%100
54	SF2-HR	X	-.005	-.005	0	%100
55	K1	X	-.009	-.009	0	%100
56	K2	X	-.009	-.009	0	%100
57	K3	X	-.009	-.009	0	%100
58	FFTH	Z	.005	.005	0	%100
59	MP-1	Z	.009	.009	0	%100
60	MP-2	Z	.009	.009	0	%100
61	MP-3	Z	.009	.009	0	%100
62	MP-4	Z	.009	.009	0	%100
63	SF1-TH	Z	.005	.005	0	%100
64	MP-6	Z	.009	.009	0	%100
65	MP-7	Z	.009	.009	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
Nov 4, 2019
9:45 AM
Checked By: HBC

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,%]
66	SF2-TH	Z	.009	.009	0	%100
67	MP-10	Z	.009	.009	0	%100
68	MP-11	Z	.009	.009	0	%100
69	SA-1	Z	.006	.006	0	%100
70	SA-2	Z	0	0	0	%100
71	SA-3	Z	.006	.006	0	%100
72	GSI-1	Z	.009	.009	0	%100
73	GSI-2	Z	.017	.017	0	%100
74	GSI-3	Z	.009	.009	0	%100
75	GSI-6	Z	.005	.005	0	%100
76	GSI-9	Z	.004	.004	0	%100
77	M24	Z	.004	.004	0	%100
78	M25	Z	.009	.009	0	%100
79	GSI-4	Z	.005	.005	0	%100
80	M28	Z	.009	.009	0	%100
81	M29	Z	.004	.004	0	%100
82	GSI-5	Z	.01	.01	0	%100
83	M32	Z	.004	.004	0	%100
84	M33	Z	.005	.005	0	%100
85	GSI-7	Z	.004	.004	0	%100
86	GSI-8	Z	.008	.008	0	%100
87	M38	Z	.012	.012	0	%100
88	M39	Z	.012	.012	0	%100
89	M44	Z	.014	.014	0	%100
90	M49	Z	.012	.012	0	%100
91	M50	Z	.012	.012	0	%100
92	M55	Z	.014	.014	0	%100
93	M60	Z	.024	.024	0	%100
94	M61	Z	.024	.024	0	%100
95	M66	Z	.027	.027	0	%100
96	SA-3R	Z	.017	.017	0	%100
97	SA-3L	Z	.017	.017	0	%100
98	SA-1R	Z	.015	.015	0	%100
99	SA-1L	Z	.015	.015	0	%100
100	SA-2R	Z	0	0	0	%100
101	SA-2L	Z	0	0	0	%100
102	RRU-2	Z	.008	.008	0	%100
103	RRU-1	Z	.008	.008	0	%100
104	RRU-3	Z	.008	.008	0	%100
105	MP-9	Z	.009	.009	0	%100
106	MP-12	Z	.009	.009	0	%100
107	MP-5	Z	.009	.009	0	%100
108	MP-8	Z	.009	.009	0	%100
109	FFHR	Z	.005	.005	0	%100
110	SF1-HR	Z	.005	.005	0	%100
111	SF2-HR	Z	.009	.009	0	%100
112	K1	Z	.016	.016	0	%100
113	K2	Z	.016	.016	0	%100
114	K3	Z	.016	.016	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	-.005	-.005	0	%100
2	MP-1	X	-.008	-.008	0	%100
3	MP-2	X	-.008	-.008	0	%100
4	MP-3	X	-.008	-.008	0	%100
5	MP-4	X	-.008	-.008	0	%100
6	SF1-TH	X	-.002	-.002	0	%100
7	MP-6	X	-.008	-.008	0	%100
8	MP-7	X	-.008	-.008	0	%100
9	SF2-TH	X	-.007	-.007	0	%100
10	MP-10	X	-.008	-.008	0	%100

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,%]
11	MP-11	X	-.008	-.008	0	%100
12	SA-1	X	-.005	-.005	0	%100
13	SA-2	X	-.001	-.001	0	%100
14	SA-3	X	-.004	-.004	0	%100
15	GSI-1	X	-.003	-.003	0	%100
16	GSI-2	X	-.012	-.012	0	%100
17	GSI-3	X	-.01	-.01	0	%100
18	GSI-6	X	-.006	-.006	0	%100
19	GSI-9	X	-.005	-.005	0	%100
20	M24	X	-.002	-.002	0	%100
21	M25	X	-.006	-.006	0	%100
22	GSI-4	X	-.002	-.002	0	%100
23	M28	X	-.006	-.006	0	%100
24	M29	X	-.005	-.005	0	%100
25	GSI-5	X	-.007	-.007	0	%100
26	M32	X	-.005	-.005	0	%100
27	M33	X	-.002	-.002	0	%100
28	GSI-7	X	-.002	-.002	0	%100
29	GSI-8	X	-.006	-.006	0	%100
30	M38	X	-.014	-.014	0	%100
31	M39	X	-.014	-.014	0	%100
32	M44	X	-.016	-.016	0	%100
33	M49	X	-.005	-.005	0	%100
34	M50	X	-.005	-.005	0	%100
35	M55	X	-.005	-.005	0	%100
36	M60	X	-.019	-.019	0	%100
37	M61	X	-.019	-.019	0	%100
38	M66	X	-.019	-.019	0	%100
39	SA-3R	X	-.009	-.009	0	%100
40	SA-3L	X	-.009	-.009	0	%100
41	SA-1R	X	-.015	-.015	0	%100
42	SA-1L	X	-.015	-.015	0	%100
43	SA-2R	X	-.004	-.004	0	%100
44	SA-2L	X	-.004	-.004	0	%100
45	RRU-2	X	-.006	-.006	0	%100
46	RRU-1	X	-.006	-.006	0	%100
47	RRU-3	X	-.006	-.006	0	%100
48	MP-9	X	-.008	-.008	0	%100
49	MP-12	X	-.008	-.008	0	%100
50	MP-5	X	-.008	-.008	0	%100
51	MP-8	X	-.008	-.008	0	%100
52	FFHR	X	-.005	-.005	0	%100
53	SF1-HR	X	-.002	-.002	0	%100
54	SF2-HR	X	-.007	-.007	0	%100
55	K1	X	-.013	-.013	0	%100
56	K2	X	-.013	-.013	0	%100
57	K3	X	-.013	-.013	0	%100
58	FFTH	Z	.005	.005	0	%100
59	MP-1	Z	.008	.008	0	%100
60	MP-2	Z	.008	.008	0	%100
61	MP-3	Z	.008	.008	0	%100
62	MP-4	Z	.008	.008	0	%100
63	SF1-TH	Z	.002	.002	0	%100
64	MP-6	Z	.008	.008	0	%100
65	MP-7	Z	.008	.008	0	%100
66	SF2-TH	Z	.007	.007	0	%100
67	MP-10	Z	.008	.008	0	%100
68	MP-11	Z	.008	.008	0	%100
69	SA-1	Z	.006	.006	0	%100
70	SA-2	Z	.002	.002	0	%100
71	SA-3	Z	.004	.004	0	%100
72	GSI-1	Z	.004	.004	0	%100
73	GSI-2	Z	.014	.014	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
74	GSI-3	Z	.01	.01	0	%100
75	GSI-6	Z	.006	.006	0	%100
76	GSI-9	Z	.005	.005	0	%100
77	M24	Z	.002	.002	0	%100
78	M25	Z	.007	.007	0	%100
79	GSI-4	Z	.002	.002	0	%100
80	M28	Z	.007	.007	0	%100
81	M29	Z	.005	.005	0	%100
82	GSI-5	Z	.008	.008	0	%100
83	M32	Z	.005	.005	0	%100
84	M33	Z	.002	.002	0	%100
85	GSI-7	Z	.002	.002	0	%100
86	GSI-8	Z	.007	.007	0	%100
87	M38	Z	.014	.014	0	%100
88	M39	Z	.014	.014	0	%100
89	M44	Z	.016	.016	0	%100
90	M49	Z	.005	.005	0	%100
91	M50	Z	.005	.005	0	%100
92	M55	Z	.006	.006	0	%100
93	M60	Z	.019	.019	0	%100
94	M61	Z	.019	.019	0	%100
95	M66	Z	.021	.021	0	%100
96	SA-3R	Z	.011	.011	0	%100
97	SA-3L	Z	.011	.011	0	%100
98	SA-1R	Z	.014	.014	0	%100
99	SA-1L	Z	.014	.014	0	%100
100	SA-2R	Z	.004	.004	0	%100
101	SA-2L	Z	.004	.004	0	%100
102	RRU-2	Z	.006	.006	0	%100
103	RRU-1	Z	.006	.006	0	%100
104	RRU-3	Z	.006	.006	0	%100
105	MP-9	Z	.008	.008	0	%100
106	MP-12	Z	.008	.008	0	%100
107	MP-5	Z	.008	.008	0	%100
108	MP-8	Z	.008	.008	0	%100
109	FFHR	Z	.005	.005	0	%100
110	SF1-HR	Z	.002	.002	0	%100
111	SF2-HR	Z	.007	.007	0	%100
112	K1	Z	.013	.013	0	%100
113	K2	Z	.013	.013	0	%100
114	K3	Z	.013	.013	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	-.008	-.008	0	%100
2	MP-1	X	-.009	-.009	0	%100
3	MP-2	X	-.009	-.009	0	%100
4	MP-3	X	-.009	-.009	0	%100
5	MP-4	X	-.009	-.009	0	%100
6	SF1-TH	X	0	0	0	%100
7	MP-6	X	-.009	-.009	0	%100
8	MP-7	X	-.009	-.009	0	%100
9	SF2-TH	X	-.008	-.008	0	%100
10	MP-10	X	-.009	-.009	0	%100
11	MP-11	X	-.009	-.009	0	%100
12	SA-1	X	-.007	-.007	0	%100
13	SA-2	X	-.003	-.003	0	%100
14	SA-3	X	-.004	-.004	0	%100
15	GSI-1	X	0	0	0	%100
16	GSI-2	X	-.013	-.013	0	%100
17	GSI-3	X	-.016	-.016	0	%100
18	GSI-6	X	-.009	-.009	0	%100

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,%]
19	GSI-9	X	-.008	-.008	0	%100
20	M24	X	-3.8e-5	-3.8e-5	0	%100
21	M25	X	-.007	-.007	0	%100
22	GSI-4	X	0	0	0	%100
23	M28	X	-.007	-.007	0	%100
24	M29	X	-.008	-.008	0	%100
25	GSI-5	X	-.008	-.008	0	%100
26	M32	X	-.008	-.008	0	%100
27	M33	X	-3.8e-5	-3.8e-5	0	%100
28	GSI-7	X	0	0	0	%100
29	GSI-8	X	-.007	-.007	0	%100
30	M38	X	-.021	-.021	0	%100
31	M39	X	-.021	-.021	0	%100
32	M44	X	-.024	-.024	0	%100
33	M49	X	0	0	0	%100
34	M50	X	0	0	0	%100
35	M55	X	0	0	0	%100
36	M60	X	-.02	-.02	0	%100
37	M61	X	-.02	-.02	0	%100
38	M66	X	-.021	-.021	0	%100
39	SA-3R	X	-.008	-.008	0	%100
40	SA-3L	X	-.008	-.008	0	%100
41	SA-1R	X	-.019	-.019	0	%100
42	SA-1L	X	-.019	-.019	0	%100
43	SA-2R	X	-.01	-.01	0	%100
44	SA-2L	X	-.01	-.01	0	%100
45	RRU-2	X	-.008	-.008	0	%100
46	RRU-1	X	-.008	-.008	0	%100
47	RRU-3	X	-.008	-.008	0	%100
48	MP-9	X	-.009	-.009	0	%100
49	MP-12	X	-.009	-.009	0	%100
50	MP-5	X	-.009	-.009	0	%100
51	MP-8	X	-.009	-.009	0	%100
52	FFHR	X	-.008	-.008	0	%100
53	SF1-HR	X	0	0	0	%100
54	SF2-HR	X	-.008	-.008	0	%100
55	K1	X	-.016	-.016	0	%100
56	K2	X	-.016	-.016	0	%100
57	K3	X	-.016	-.016	0	%100
58	FFTH	Z	.005	.005	0	%100
59	MP-1	Z	.005	.005	0	%100
60	MP-2	Z	.005	.005	0	%100
61	MP-3	Z	.005	.005	0	%100
62	MP-4	Z	.005	.005	0	%100
63	SF1-TH	Z	0	0	0	%100
64	MP-6	Z	.005	.005	0	%100
65	MP-7	Z	.005	.005	0	%100
66	SF2-TH	Z	.005	.005	0	%100
67	MP-10	Z	.005	.005	0	%100
68	MP-11	Z	.005	.005	0	%100
69	SA-1	Z	.004	.004	0	%100
70	SA-2	Z	.002	.002	0	%100
71	SA-3	Z	.002	.002	0	%100
72	GSI-1	Z	0	0	0	%100
73	GSI-2	Z	.009	.009	0	%100
74	GSI-3	Z	.009	.009	0	%100
75	GSI-6	Z	.005	.005	0	%100
76	GSI-9	Z	.004	.004	0	%100
77	M24	Z	2.4e-5	2.4e-5	0	%100
78	M25	Z	.005	.005	0	%100
79	GSI-4	Z	0	0	0	%100
80	M28	Z	.004	.004	0	%100
81	M29	Z	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
82	GSI-5	Z	.005	.005	0	%100
83	M32	Z	.004	.004	0	%100
84	M33	Z	2.4e-5	2.4e-5	0	%100
85	GSI-7	Z	0	0	0	%100
86	GSI-8	Z	.004	.004	0	%100
87	M38	Z	.012	.012	0	%100
88	M39	Z	.012	.012	0	%100
89	M44	Z	.014	.014	0	%100
90	M49	Z	0	0	0	%100
91	M50	Z	0	0	0	%100
92	M55	Z	0	0	0	%100
93	M60	Z	.012	.012	0	%100
94	M61	Z	.012	.012	0	%100
95	M66	Z	.014	.014	0	%100
96	SA-3R	Z	.006	.006	0	%100
97	SA-3L	Z	.006	.006	0	%100
98	SA-1R	Z	.01	.01	0	%100
99	SA-1L	Z	.01	.01	0	%100
100	SA-2R	Z	.005	.005	0	%100
101	SA-2L	Z	.005	.005	0	%100
102	RRU-2	Z	.005	.005	0	%100
103	RRU-1	Z	.005	.005	0	%100
104	RRU-3	Z	.005	.005	0	%100
105	MP-9	Z	.005	.005	0	%100
106	MP-12	Z	.005	.005	0	%100
107	MP-5	Z	.005	.005	0	%100
108	MP-8	Z	.005	.005	0	%100
109	FFHR	Z	.005	.005	0	%100
110	SF1-HR	Z	0	0	0	%100
111	SF2-HR	Z	.005	.005	0	%100
112	K1	Z	.009	.009	0	%100
113	K2	Z	.009	.009	0	%100
114	K3	Z	.009	.009	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	-.013	-.013	0	%100
2	MP-1	Y	-.014	-.014	0	%100
3	MP-2	Y	-.014	-.014	0	%100
4	MP-3	Y	-.014	-.014	0	%100
5	MP-4	Y	-.014	-.014	0	%100
6	SF1-TH	Y	-.013	-.013	0	%100
7	MP-6	Y	-.014	-.014	0	%100
8	MP-7	Y	-.014	-.014	0	%100
9	SF2-TH	Y	-.013	-.013	0	%100
10	MP-10	Y	-.014	-.014	0	%100
11	MP-11	Y	-.014	-.014	0	%100
12	SA-1	Y	-.02	-.02	0	%100
13	SA-2	Y	-.02	-.02	0	%100
14	SA-3	Y	-.02	-.02	0	%100
15	GSI-1	Y	-.011	-.011	0	%100
16	GSI-2	Y	-.011	-.011	0	%100
17	GSI-3	Y	-.011	-.011	0	%100
18	GSI-6	Y	-.008	-.008	0	%100
19	GSI-9	Y	-.01	-.01	0	%100
20	M24	Y	-.009	-.009	0	%100
21	M25	Y	-.009	-.009	0	%100
22	GSI-4	Y	-.008	-.008	0	%100
23	M28	Y	-.009	-.009	0	%100
24	M29	Y	-.009	-.009	0	%100
25	GSI-5	Y	-.008	-.008	0	%100
26	M32	Y	-.009	-.009	0	%100

Member Distributed Loads (BLC 18 : Ice Weight) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	M33	Y	-.009	-.009	0	%100
28	GSI-7	Y	-.01	-.01	0	%100
29	GSI-8	Y	-.01	-.01	0	%100
30	M38	Y	-.021	-.021	0	%100
31	M39	Y	-.021	-.021	0	%100
32	M44	Y	-.019	-.019	0	%100
33	M49	Y	-.021	-.021	0	%100
34	M50	Y	-.021	-.021	0	%100
35	M55	Y	-.019	-.019	0	%100
36	M60	Y	-.021	-.021	0	%100
37	M61	Y	-.021	-.021	0	%100
38	M66	Y	-.019	-.019	0	%100
39	SA-3R	Y	-.014	-.014	0	%100
40	SA-3L	Y	-.014	-.014	0	%100
41	SA-1R	Y	-.014	-.014	0	%100
42	SA-1L	Y	-.014	-.014	0	%100
43	SA-2R	Y	-.014	-.014	0	%100
44	SA-2L	Y	-.014	-.014	0	%100
45	RRU-2	Y	-.018	-.018	0	%100
46	RRU-1	Y	-.018	-.018	0	%100
47	RRU-3	Y	-.018	-.018	0	%100
48	MP-9	Y	-.014	-.014	0	%100
49	MP-12	Y	-.014	-.014	0	%100
50	MP-5	Y	-.014	-.014	0	%100
51	MP-8	Y	-.014	-.014	0	%100
52	FFHR	Y	-.013	-.013	0	%100
53	SF1-HR	Y	-.013	-.013	0	%100
54	SF2-HR	Y	-.013	-.013	0	%100
55	K1	Y	-.014	-.014	0	%100
56	K2	Y	-.014	-.014	0	%100
57	K3	Y	-.014	-.014	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	-.005	-.005	0	%100
2	MP-1	X	-.004	-.004	0	%100
3	MP-2	X	-.004	-.004	0	%100
4	MP-3	X	-.004	-.004	0	%100
5	MP-4	X	-.004	-.004	0	%100
6	SF1-TH	X	-.004	-.004	0	%100
7	MP-6	X	-.004	-.004	0	%100
8	MP-7	X	-.004	-.004	0	%100
9	SF2-TH	X	-.004	-.004	0	%100
10	MP-10	X	-.004	-.004	0	%100
11	MP-11	X	-.004	-.004	0	%100
12	SA-1	X	-.004	-.004	0	%100
13	SA-2	X	-.004	-.004	0	%100
14	SA-3	X	-.004	-.004	0	%100
15	GSI-1	X	-.006	-.006	0	%100
16	GSI-2	X	-.006	-.006	0	%100
17	GSI-3	X	-.007	-.007	0	%100
18	GSI-6	X	-.006	-.006	0	%100
19	GSI-9	X	-.007	-.007	0	%100
20	M24	X	-.006	-.006	0	%100
21	M25	X	-.006	-.006	0	%100
22	GSI-4	X	-.006	-.006	0	%100
23	M28	X	-.006	-.006	0	%100
24	M29	X	-.006	-.006	0	%100
25	GSI-5	X	-.006	-.006	0	%100
26	M32	X	-.006	-.006	0	%100
27	M33	X	-.006	-.006	0	%100
28	GSI-7	X	-.007	-.007	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
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Member Distributed Loads (BLC 19 : 0 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	GSI-8	X	-.007	-.007	0	%100
30	M38	X	-.009	-.009	0	%100
31	M39	X	-.009	-.009	0	%100
32	M44	X	-.009	-.009	0	%100
33	M49	X	-.009	-.009	0	%100
34	M50	X	-.009	-.009	0	%100
35	M55	X	-.008	-.008	0	%100
36	M60	X	-.009	-.009	0	%100
37	M61	X	-.009	-.009	0	%100
38	M66	X	-.008	-.008	0	%100
39	SA-3R	X	-.007	-.007	0	%100
40	SA-3L	X	-.007	-.007	0	%100
41	SA-1R	X	-.007	-.007	0	%100
42	SA-1L	X	-.007	-.007	0	%100
43	SA-2R	X	-.007	-.007	0	%100
44	SA-2L	X	-.007	-.007	0	%100
45	RRU-2	X	-.004	-.004	0	%100
46	RRU-1	X	-.004	-.004	0	%100
47	RRU-3	X	-.004	-.004	0	%100
48	MP-9	X	-.004	-.004	0	%100
49	MP-12	X	-.004	-.004	0	%100
50	MP-5	X	-.004	-.004	0	%100
51	MP-8	X	-.004	-.004	0	%100
52	FFHR	X	-.005	-.005	0	%100
53	SF1-HR	X	-.004	-.004	0	%100
54	SF2-HR	X	-.004	-.004	0	%100
55	K1	X	-.006	-.006	0	%100
56	K2	X	-.006	-.006	0	%100
57	K3	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	-.004	-.004	0	%100
2	MP-1	X	-.003	-.003	0	%100
3	MP-2	X	-.003	-.003	0	%100
4	MP-3	X	-.003	-.003	0	%100
5	MP-4	X	-.003	-.003	0	%100
6	SF1-TH	X	-.003	-.003	0	%100
7	MP-6	X	-.003	-.003	0	%100
8	MP-7	X	-.003	-.003	0	%100
9	SF2-TH	X	0	0	0	%100
10	MP-10	X	-.003	-.003	0	%100
11	MP-11	X	-.003	-.003	0	%100
12	SA-1	X	-.002	-.002	0	%100
13	SA-2	X	-.004	-.004	0	%100
14	SA-3	X	-.002	-.002	0	%100
15	GSI-1	X	-.005	-.005	0	%100
16	GSI-2	X	0	0	0	%100
17	GSI-3	X	-.005	-.005	0	%100
18	GSI-6	X	-.005	-.005	0	%100
19	GSI-9	X	-.005	-.005	0	%100
20	M24	X	-.005	-.005	0	%100
21	M25	X	-2.5e-5	-2.5e-5	0	%100
22	GSI-4	X	-.004	-.004	0	%100
23	M28	X	-2.5e-5	-2.5e-5	0	%100
24	M29	X	-.005	-.005	0	%100
25	GSI-5	X	0	0	0	%100
26	M32	X	-.005	-.005	0	%100
27	M33	X	-.005	-.005	0	%100
28	GSI-7	X	-.005	-.005	0	%100
29	GSI-8	X	0	0	0	%100
30	M38	X	-.007	-.007	0	%100

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,%]
31	M39	X	-.007	-.007	0	%100
32	M44	X	-.007	-.007	0	%100
33	M49	X	-.007	-.007	0	%100
34	M50	X	-.007	-.007	0	%100
35	M55	X	-.006	-.006	0	%100
36	M60	X	0	0	0	%100
37	M61	X	0	0	0	%100
38	M66	X	0	0	0	%100
39	SA-3R	X	-.003	-.003	0	%100
40	SA-3L	X	-.003	-.003	0	%100
41	SA-1R	X	-.003	-.003	0	%100
42	SA-1L	X	-.003	-.003	0	%100
43	SA-2R	X	-.006	-.006	0	%100
44	SA-2L	X	-.006	-.006	0	%100
45	RRU-2	X	-.003	-.003	0	%100
46	RRU-1	X	-.003	-.003	0	%100
47	RRU-3	X	-.003	-.003	0	%100
48	MP-9	X	-.003	-.003	0	%100
49	MP-12	X	-.003	-.003	0	%100
50	MP-5	X	-.003	-.003	0	%100
51	MP-8	X	-.003	-.003	0	%100
52	FFHR	X	-.004	-.004	0	%100
53	SF1-HR	X	-.003	-.003	0	%100
54	SF2-HR	X	0	0	0	%100
55	K1	X	-.006	-.006	0	%100
56	K2	X	-.006	-.006	0	%100
57	K3	X	-.006	-.006	0	%100
58	FFTH	Z	-.002	-.002	0	%100
59	MP-1	Z	-.002	-.002	0	%100
60	MP-2	Z	-.002	-.002	0	%100
61	MP-3	Z	-.002	-.002	0	%100
62	MP-4	Z	-.002	-.002	0	%100
63	SF1-TH	Z	-.002	-.002	0	%100
64	MP-6	Z	-.002	-.002	0	%100
65	MP-7	Z	-.002	-.002	0	%100
66	SF2-TH	Z	0	0	0	%100
67	MP-10	Z	-.002	-.002	0	%100
68	MP-11	Z	-.002	-.002	0	%100
69	SA-1	Z	-.001	-.001	0	%100
70	SA-2	Z	-.002	-.002	0	%100
71	SA-3	Z	-.001	-.001	0	%100
72	GSI-1	Z	-.003	-.003	0	%100
73	GSI-2	Z	0	0	0	%100
74	GSI-3	Z	-.003	-.003	0	%100
75	GSI-6	Z	-.002	-.002	0	%100
76	GSI-9	Z	-.003	-.003	0	%100
77	M24	Z	-.003	-.003	0	%100
78	M25	Z	-1.5e-5	-1.5e-5	0	%100
79	GSI-4	Z	-.003	-.003	0	%100
80	M28	Z	-1.5e-5	-1.5e-5	0	%100
81	M29	Z	-.003	-.003	0	%100
82	GSI-5	Z	0	0	0	%100
83	M32	Z	-.003	-.003	0	%100
84	M33	Z	-.003	-.003	0	%100
85	GSI-7	Z	-.003	-.003	0	%100
86	GSI-8	Z	0	0	0	%100
87	M38	Z	-.004	-.004	0	%100
88	M39	Z	-.004	-.004	0	%100
89	M44	Z	-.004	-.004	0	%100
90	M49	Z	-.004	-.004	0	%100
91	M50	Z	-.004	-.004	0	%100
92	M55	Z	-.004	-.004	0	%100
93	M60	Z	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
94	M61	Z	0	0	0	%100
95	M66	Z	0	0	0	%100
96	SA-3R	Z	-.002	-.002	0	%100
97	SA-3L	Z	-.002	-.002	0	%100
98	SA-1R	Z	-.002	-.002	0	%100
99	SA-1L	Z	-.002	-.002	0	%100
100	SA-2R	Z	-.004	-.004	0	%100
101	SA-2L	Z	-.004	-.004	0	%100
102	RRU-2	Z	-.002	-.002	0	%100
103	RRU-1	Z	-.002	-.002	0	%100
104	RRU-3	Z	-.002	-.002	0	%100
105	MP-9	Z	-.002	-.002	0	%100
106	MP-12	Z	-.002	-.002	0	%100
107	MP-5	Z	-.002	-.002	0	%100
108	MP-8	Z	-.002	-.002	0	%100
109	FFHR	Z	-.002	-.002	0	%100
110	SF1-HR	Z	-.002	-.002	0	%100
111	SF2-HR	Z	0	0	0	%100
112	K1	Z	-.004	-.004	0	%100
113	K2	Z	-.004	-.004	0	%100
114	K3	Z	-.004	-.004	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	MP-1	X	-.003	-.003	0	%100
3	MP-2	X	-.003	-.003	0	%100
4	MP-3	X	-.003	-.003	0	%100
5	MP-4	X	-.003	-.003	0	%100
6	SF1-TH	X	-.003	-.003	0	%100
7	MP-6	X	-.003	-.003	0	%100
8	MP-7	X	-.003	-.003	0	%100
9	SF2-TH	X	-.000749	-.000749	0	%100
10	MP-10	X	-.003	-.003	0	%100
11	MP-11	X	-.003	-.003	0	%100
12	SA-1	X	-.000792	-.000792	0	%100
13	SA-2	X	-.003	-.003	0	%100
14	SA-3	X	-.002	-.002	0	%100
15	GSI-1	X	-.004	-.004	0	%100
16	GSI-2	X	-.001	-.001	0	%100
17	GSI-3	X	-.004	-.004	0	%100
18	GSI-6	X	-.003	-.003	0	%100
19	GSI-9	X	-.003	-.003	0	%100
20	M24	X	-.004	-.004	0	%100
21	M25	X	-.001	-.001	0	%100
22	GSI-4	X	-.004	-.004	0	%100
23	M28	X	-.001	-.001	0	%100
24	M29	X	-.003	-.003	0	%100
25	GSI-5	X	-.001	-.001	0	%100
26	M32	X	-.003	-.003	0	%100
27	M33	X	-.004	-.004	0	%100
28	GSI-7	X	-.005	-.005	0	%100
29	GSI-8	X	-.001	-.001	0	%100
30	M38	X	-.005	-.005	0	%100
31	M39	X	-.005	-.005	0	%100
32	M44	X	-.005	-.005	0	%100
33	M49	X	-.006	-.006	0	%100
34	M50	X	-.006	-.006	0	%100
35	M55	X	-.006	-.006	0	%100
36	M60	X	-.002	-.002	0	%100
37	M61	X	-.002	-.002	0	%100
38	M66	X	-.002	-.002	0	%100

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,%]
39	SA-3R	X	-.003	-.003	0	%100
40	SA-3L	X	-.003	-.003	0	%100
41	SA-1R	X	-.001	-.001	0	%100
42	SA-1L	X	-.001	-.001	0	%100
43	SA-2R	X	-.005	-.005	0	%100
44	SA-2L	X	-.005	-.005	0	%100
45	RRU-2	X	-.003	-.003	0	%100
46	RRU-1	X	-.003	-.003	0	%100
47	RRU-3	X	-.003	-.003	0	%100
48	MP-9	X	-.003	-.003	0	%100
49	MP-12	X	-.003	-.003	0	%100
50	MP-5	X	-.003	-.003	0	%100
51	MP-8	X	-.003	-.003	0	%100
52	FFHR	X	-.003	-.003	0	%100
53	SF1-HR	X	-.003	-.003	0	%100
54	SF2-HR	X	-.000738	-.000738	0	%100
55	K1	X	-.005	-.005	0	%100
56	K2	X	-.005	-.005	0	%100
57	K3	X	-.005	-.005	0	%100
58	FFTH	Z	-.002	-.002	0	%100
59	MP-1	Z	-.003	-.003	0	%100
60	MP-2	Z	-.003	-.003	0	%100
61	MP-3	Z	-.003	-.003	0	%100
62	MP-4	Z	-.003	-.003	0	%100
63	SF1-TH	Z	-.003	-.003	0	%100
64	MP-6	Z	-.003	-.003	0	%100
65	MP-7	Z	-.003	-.003	0	%100
66	SF2-TH	Z	-.000917	-.000917	0	%100
67	MP-10	Z	-.003	-.003	0	%100
68	MP-11	Z	-.003	-.003	0	%100
69	SA-1	Z	-.000771	-.000771	0	%100
70	SA-2	Z	-.003	-.003	0	%100
71	SA-3	Z	-.002	-.002	0	%100
72	GSI-1	Z	-.005	-.005	0	%100
73	GSI-2	Z	-.001	-.001	0	%100
74	GSI-3	Z	-.003	-.003	0	%100
75	GSI-6	Z	-.003	-.003	0	%100
76	GSI-9	Z	-.003	-.003	0	%100
77	M24	Z	-.004	-.004	0	%100
78	M25	Z	-.001	-.001	0	%100
79	GSI-4	Z	-.004	-.004	0	%100
80	M28	Z	-.001	-.001	0	%100
81	M29	Z	-.003	-.003	0	%100
82	GSI-5	Z	-.001	-.001	0	%100
83	M32	Z	-.003	-.003	0	%100
84	M33	Z	-.004	-.004	0	%100
85	GSI-7	Z	-.005	-.005	0	%100
86	GSI-8	Z	-.001	-.001	0	%100
87	M38	Z	-.004	-.004	0	%100
88	M39	Z	-.004	-.004	0	%100
89	M44	Z	-.004	-.004	0	%100
90	M49	Z	-.006	-.006	0	%100
91	M50	Z	-.006	-.006	0	%100
92	M55	Z	-.006	-.006	0	%100
93	M60	Z	-.002	-.002	0	%100
94	M61	Z	-.002	-.002	0	%100
95	M66	Z	-.002	-.002	0	%100
96	SA-3R	Z	-.004	-.004	0	%100
97	SA-3L	Z	-.004	-.004	0	%100
98	SA-1R	Z	-.001	-.001	0	%100
99	SA-1L	Z	-.001	-.001	0	%100
100	SA-2R	Z	-.005	-.005	0	%100
101	SA-2L	Z	-.005	-.005	0	%100

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,%]
102	RRU-2	Z	-.003	-.003	0	%100
103	RRU-1	Z	-.003	-.003	0	%100
104	RRU-3	Z	-.003	-.003	0	%100
105	MP-9	Z	-.003	-.003	0	%100
106	MP-12	Z	-.003	-.003	0	%100
107	MP-5	Z	-.003	-.003	0	%100
108	MP-8	Z	-.003	-.003	0	%100
109	FFHR	Z	-.002	-.002	0	%100
110	SF1-HR	Z	-.003	-.003	0	%100
111	SF2-HR	Z	-.000899	-.000899	0	%100
112	K1	Z	-.005	-.005	0	%100
113	K2	Z	-.005	-.005	0	%100
114	K3	Z	-.005	-.005	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	-.001	-.001	0	%100
2	MP-1	X	-.002	-.002	0	%100
3	MP-2	X	-.002	-.002	0	%100
4	MP-3	X	-.002	-.002	0	%100
5	MP-4	X	-.002	-.002	0	%100
6	SF1-TH	X	-.002	-.002	0	%100
7	MP-6	X	-.002	-.002	0	%100
8	MP-7	X	-.002	-.002	0	%100
9	SF2-TH	X	-.001	-.001	0	%100
10	MP-10	X	-.002	-.002	0	%100
11	MP-11	X	-.002	-.002	0	%100
12	SA-1	X	0	0	0	%100
13	SA-2	X	-.002	-.002	0	%100
14	SA-3	X	-.002	-.002	0	%100
15	GSI-1	X	-.003	-.003	0	%100
16	GSI-2	X	-.002	-.002	0	%100
17	GSI-3	X	-.002	-.002	0	%100
18	GSI-6	X	-.002	-.002	0	%100
19	GSI-9	X	-.002	-.002	0	%100
20	M24	X	-.003	-.003	0	%100
21	M25	X	-.002	-.002	0	%100
22	GSI-4	X	-.003	-.003	0	%100
23	M28	X	-.002	-.002	0	%100
24	M29	X	-.002	-.002	0	%100
25	GSI-5	X	-.001	-.001	0	%100
26	M32	X	-.002	-.002	0	%100
27	M33	X	-.003	-.003	0	%100
28	GSI-7	X	-.003	-.003	0	%100
29	GSI-8	X	-.002	-.002	0	%100
30	M38	X	-.002	-.002	0	%100
31	M39	X	-.002	-.002	0	%100
32	M44	X	-.002	-.002	0	%100
33	M49	X	-.005	-.005	0	%100
34	M50	X	-.005	-.005	0	%100
35	M55	X	-.004	-.004	0	%100
36	M60	X	-.002	-.002	0	%100
37	M61	X	-.002	-.002	0	%100
38	M66	X	-.002	-.002	0	%100
39	SA-3R	X	-.003	-.003	0	%100
40	SA-3L	X	-.003	-.003	0	%100
41	SA-1R	X	0	0	0	%100
42	SA-1L	X	0	0	0	%100
43	SA-2R	X	-.003	-.003	0	%100
44	SA-2L	X	-.003	-.003	0	%100
45	RRU-2	X	-.002	-.002	0	%100
46	RRU-1	X	-.002	-.002	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,%]
47	RRU-3	X	-.002	-.002	0	%100
48	MP-9	X	-.002	-.002	0	%100
49	MP-12	X	-.002	-.002	0	%100
50	MP-5	X	-.002	-.002	0	%100
51	MP-8	X	-.002	-.002	0	%100
52	FFHR	X	-.001	-.001	0	%100
53	SF1-HR	X	-.002	-.002	0	%100
54	SF2-HR	X	-.001	-.001	0	%100
55	K1	X	-.003	-.003	0	%100
56	K2	X	-.003	-.003	0	%100
57	K3	X	-.003	-.003	0	%100
58	FFTH	Z	-.002	-.002	0	%100
59	MP-1	Z	-.003	-.003	0	%100
60	MP-2	Z	-.003	-.003	0	%100
61	MP-3	Z	-.003	-.003	0	%100
62	MP-4	Z	-.003	-.003	0	%100
63	SF1-TH	Z	-.004	-.004	0	%100
64	MP-6	Z	-.003	-.003	0	%100
65	MP-7	Z	-.003	-.003	0	%100
66	SF2-TH	Z	-.002	-.002	0	%100
67	MP-10	Z	-.003	-.003	0	%100
68	MP-11	Z	-.003	-.003	0	%100
69	SA-1	Z	0	0	0	%100
70	SA-2	Z	-.003	-.003	0	%100
71	SA-3	Z	-.003	-.003	0	%100
72	GSI-1	Z	-.006	-.006	0	%100
73	GSI-2	Z	-.003	-.003	0	%100
74	GSI-3	Z	-.003	-.003	0	%100
75	GSI-6	Z	-.002	-.002	0	%100
76	GSI-9	Z	-.003	-.003	0	%100
77	M24	Z	-.005	-.005	0	%100
78	M25	Z	-.003	-.003	0	%100
79	GSI-4	Z	-.005	-.005	0	%100
80	M28	Z	-.003	-.003	0	%100
81	M29	Z	-.003	-.003	0	%100
82	GSI-5	Z	-.003	-.003	0	%100
83	M32	Z	-.003	-.003	0	%100
84	M33	Z	-.005	-.005	0	%100
85	GSI-7	Z	-.006	-.006	0	%100
86	GSI-8	Z	-.003	-.003	0	%100
87	M38	Z	-.004	-.004	0	%100
88	M39	Z	-.004	-.004	0	%100
89	M44	Z	-.004	-.004	0	%100
90	M49	Z	-.008	-.008	0	%100
91	M50	Z	-.008	-.008	0	%100
92	M55	Z	-.008	-.008	0	%100
93	M60	Z	-.004	-.004	0	%100
94	M61	Z	-.004	-.004	0	%100
95	M66	Z	-.004	-.004	0	%100
96	SA-3R	Z	-.006	-.006	0	%100
97	SA-3L	Z	-.006	-.006	0	%100
98	SA-1R	Z	0	0	0	%100
99	SA-1L	Z	0	0	0	%100
100	SA-2R	Z	-.005	-.005	0	%100
101	SA-2L	Z	-.005	-.005	0	%100
102	RRU-2	Z	-.004	-.004	0	%100
103	RRU-1	Z	-.004	-.004	0	%100
104	RRU-3	Z	-.004	-.004	0	%100
105	MP-9	Z	-.003	-.003	0	%100
106	MP-12	Z	-.003	-.003	0	%100
107	MP-5	Z	-.003	-.003	0	%100
108	MP-8	Z	-.003	-.003	0	%100
109	FFHR	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

Nov 4, 2019
9:45 AM
Checked By: HBC

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,%]
110	SF1-HR	Z	-.004	-.004	0	%100
111	SF2-HR	Z	-.002	-.002	0	%100
112	K1	Z	-.006	-.006	0	%100
113	K2	Z	-.006	-.006	0	%100
114	K3	Z	-.006	-.006	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	MP-1	Z	-.004	-.004	0	%100
3	MP-2	Z	-.004	-.004	0	%100
4	MP-3	Z	-.004	-.004	0	%100
5	MP-4	Z	-.004	-.004	0	%100
6	SF1-TH	Z	-.004	-.004	0	%100
7	MP-6	Z	-.004	-.004	0	%100
8	MP-7	Z	-.004	-.004	0	%100
9	SF2-TH	Z	-.004	-.004	0	%100
10	MP-10	Z	-.004	-.004	0	%100
11	MP-11	Z	-.004	-.004	0	%100
12	SA-1	Z	-.002	-.002	0	%100
13	SA-2	Z	-.002	-.002	0	%100
14	SA-3	Z	-.004	-.004	0	%100
15	GSI-1	Z	-.006	-.006	0	%100
16	GSI-2	Z	-.006	-.006	0	%100
17	GSI-3	Z	0	0	0	%100
18	GSI-6	Z	0	0	0	%100
19	GSI-9	Z	0	0	0	%100
20	M24	Z	-.005	-.005	0	%100
21	M25	Z	-.005	-.005	0	%100
22	GSI-4	Z	-.005	-.005	0	%100
23	M28	Z	-.005	-.005	0	%100
24	M29	Z	-2.9e-5	-2.9e-5	0	%100
25	GSI-5	Z	-.005	-.005	0	%100
26	M32	Z	-2.9e-5	-2.9e-5	0	%100
27	M33	Z	-.005	-.005	0	%100
28	GSI-7	Z	-.006	-.006	0	%100
29	GSI-8	Z	-.006	-.006	0	%100
30	M38	Z	0	0	0	%100
31	M39	Z	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M49	Z	-.008	-.008	0	%100
34	M50	Z	-.008	-.008	0	%100
35	M55	Z	-.008	-.008	0	%100
36	M60	Z	-.008	-.008	0	%100
37	M61	Z	-.008	-.008	0	%100
38	M66	Z	-.008	-.008	0	%100
39	SA-3R	Z	-.008	-.008	0	%100
40	SA-3L	Z	-.008	-.008	0	%100
41	SA-1R	Z	-.004	-.004	0	%100
42	SA-1L	Z	-.004	-.004	0	%100
43	SA-2R	Z	-.004	-.004	0	%100
44	SA-2L	Z	-.004	-.004	0	%100
45	RRU-2	Z	-.004	-.004	0	%100
46	RRU-1	Z	-.004	-.004	0	%100
47	RRU-3	Z	-.004	-.004	0	%100
48	MP-9	Z	-.004	-.004	0	%100
49	MP-12	Z	-.004	-.004	0	%100
50	MP-5	Z	-.004	-.004	0	%100
51	MP-8	Z	-.004	-.004	0	%100
52	FFHR	Z	0	0	0	%100
53	SF1-HR	Z	-.004	-.004	0	%100
54	SF2-HR	Z	-.004	-.004	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,%]
55	K1	Z	-.007	-.007	0	%100
56	K2	Z	-.007	-.007	0	%100
57	K3	Z	-.007	-.007	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	.001	.001	0	%100
2	MP-1	X	.002	.002	0	%100
3	MP-2	X	.002	.002	0	%100
4	MP-3	X	.002	.002	0	%100
5	MP-4	X	.002	.002	0	%100
6	SF1-TH	X	.001	.001	0	%100
7	MP-6	X	.002	.002	0	%100
8	MP-7	X	.002	.002	0	%100
9	SF2-TH	X	.002	.002	0	%100
10	MP-10	X	.002	.002	0	%100
11	MP-11	X	.002	.002	0	%100
12	SA-1	X	.002	.002	0	%100
13	SA-2	X	0	0	0	%100
14	SA-3	X	.002	.002	0	%100
15	GSI-1	X	.002	.002	0	%100
16	GSI-2	X	.003	.003	0	%100
17	GSI-3	X	.002	.002	0	%100
18	GSI-6	X	.002	.002	0	%100
19	GSI-9	X	.002	.002	0	%100
20	M24	X	.002	.002	0	%100
21	M25	X	.003	.003	0	%100
22	GSI-4	X	.001	.001	0	%100
23	M28	X	.003	.003	0	%100
24	M29	X	.002	.002	0	%100
25	GSI-5	X	.003	.003	0	%100
26	M32	X	.002	.002	0	%100
27	M33	X	.002	.002	0	%100
28	GSI-7	X	.002	.002	0	%100
29	GSI-8	X	.003	.003	0	%100
30	M38	X	.002	.002	0	%100
31	M39	X	.002	.002	0	%100
32	M44	X	.002	.002	0	%100
33	M49	X	.002	.002	0	%100
34	M50	X	.002	.002	0	%100
35	M55	X	.002	.002	0	%100
36	M60	X	.005	.005	0	%100
37	M61	X	.005	.005	0	%100
38	M66	X	.004	.004	0	%100
39	SA-3R	X	.003	.003	0	%100
40	SA-3L	X	.003	.003	0	%100
41	SA-1R	X	.003	.003	0	%100
42	SA-1L	X	.003	.003	0	%100
43	SA-2R	X	0	0	0	%100
44	SA-2L	X	0	0	0	%100
45	RRU-2	X	.002	.002	0	%100
46	RRU-1	X	.002	.002	0	%100
47	RRU-3	X	.002	.002	0	%100
48	MP-9	X	.002	.002	0	%100
49	MP-12	X	.002	.002	0	%100
50	MP-5	X	.002	.002	0	%100
51	MP-8	X	.002	.002	0	%100
52	FFHR	X	.001	.001	0	%100
53	SF1-HR	X	.001	.001	0	%100
54	SF2-HR	X	.002	.002	0	%100
55	K1	X	.003	.003	0	%100
56	K2	X	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
57	K3	X	.003	.003	0	%100
58	FFTH	Z	-.002	-.002	0	%100
59	MP-1	Z	-.003	-.003	0	%100
60	MP-2	Z	-.003	-.003	0	%100
61	MP-3	Z	-.003	-.003	0	%100
62	MP-4	Z	-.003	-.003	0	%100
63	SF1-TH	Z	-.002	-.002	0	%100
64	MP-6	Z	-.003	-.003	0	%100
65	MP-7	Z	-.003	-.003	0	%100
66	SF2-TH	Z	-.004	-.004	0	%100
67	MP-10	Z	-.003	-.003	0	%100
68	MP-11	Z	-.003	-.003	0	%100
69	SA-1	Z	-.003	-.003	0	%100
70	SA-2	Z	0	0	0	%100
71	SA-3	Z	-.003	-.003	0	%100
72	GSI-1	Z	-.003	-.003	0	%100
73	GSI-2	Z	-.006	-.006	0	%100
74	GSI-3	Z	-.003	-.003	0	%100
75	GSI-6	Z	-.002	-.002	0	%100
76	GSI-9	Z	-.003	-.003	0	%100
77	M24	Z	-.003	-.003	0	%100
78	M25	Z	-.005	-.005	0	%100
79	GSI-4	Z	-.003	-.003	0	%100
80	M28	Z	-.005	-.005	0	%100
81	M29	Z	-.003	-.003	0	%100
82	GSI-5	Z	-.005	-.005	0	%100
83	M32	Z	-.003	-.003	0	%100
84	M33	Z	-.003	-.003	0	%100
85	GSI-7	Z	-.003	-.003	0	%100
86	GSI-8	Z	-.006	-.006	0	%100
87	M38	Z	-.004	-.004	0	%100
88	M39	Z	-.004	-.004	0	%100
89	M44	Z	-.004	-.004	0	%100
90	M49	Z	-.004	-.004	0	%100
91	M50	Z	-.004	-.004	0	%100
92	M55	Z	-.004	-.004	0	%100
93	M60	Z	-.008	-.008	0	%100
94	M61	Z	-.008	-.008	0	%100
95	M66	Z	-.008	-.008	0	%100
96	SA-3R	Z	-.006	-.006	0	%100
97	SA-3L	Z	-.006	-.006	0	%100
98	SA-1R	Z	-.005	-.005	0	%100
99	SA-1L	Z	-.005	-.005	0	%100
100	SA-2R	Z	0	0	0	%100
101	SA-2L	Z	0	0	0	%100
102	RRU-2	Z	-.004	-.004	0	%100
103	RRU-1	Z	-.004	-.004	0	%100
104	RRU-3	Z	-.004	-.004	0	%100
105	MP-9	Z	-.003	-.003	0	%100
106	MP-12	Z	-.003	-.003	0	%100
107	MP-5	Z	-.003	-.003	0	%100
108	MP-8	Z	-.003	-.003	0	%100
109	FFHR	Z	-.002	-.002	0	%100
110	SF1-HR	Z	-.002	-.002	0	%100
111	SF2-HR	Z	-.004	-.004	0	%100
112	K1	Z	-.006	-.006	0	%100
113	K2	Z	-.006	-.006	0	%100
114	K3	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

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,%]
2	MP-1	X	.003	.003	0	%100
3	MP-2	X	.003	.003	0	%100
4	MP-3	X	.003	.003	0	%100
5	MP-4	X	.003	.003	0	%100
6	SF1-TH	X	.000749	.000749	0	%100
7	MP-6	X	.003	.003	0	%100
8	MP-7	X	.003	.003	0	%100
9	SF2-TH	X	.003	.003	0	%100
10	MP-10	X	.003	.003	0	%100
11	MP-11	X	.003	.003	0	%100
12	SA-1	X	.003	.003	0	%100
13	SA-2	X	.000792	.000792	0	%100
14	SA-3	X	.002	.002	0	%100
15	GSI-1	X	.001	.001	0	%100
16	GSI-2	X	.004	.004	0	%100
17	GSI-3	X	.004	.004	0	%100
18	GSI-6	X	.003	.003	0	%100
19	GSI-9	X	.003	.003	0	%100
20	M24	X	.001	.001	0	%100
21	M25	X	.004	.004	0	%100
22	GSI-4	X	.001	.001	0	%100
23	M28	X	.004	.004	0	%100
24	M29	X	.003	.003	0	%100
25	GSI-5	X	.004	.004	0	%100
26	M32	X	.003	.003	0	%100
27	M33	X	.001	.001	0	%100
28	GSI-7	X	.001	.001	0	%100
29	GSI-8	X	.005	.005	0	%100
30	M38	X	.005	.005	0	%100
31	M39	X	.005	.005	0	%100
32	M44	X	.005	.005	0	%100
33	M49	X	.002	.002	0	%100
34	M50	X	.002	.002	0	%100
35	M55	X	.002	.002	0	%100
36	M60	X	.006	.006	0	%100
37	M61	X	.006	.006	0	%100
38	M66	X	.006	.006	0	%100
39	SA-3R	X	.003	.003	0	%100
40	SA-3L	X	.003	.003	0	%100
41	SA-1R	X	.005	.005	0	%100
42	SA-1L	X	.005	.005	0	%100
43	SA-2R	X	.001	.001	0	%100
44	SA-2L	X	.001	.001	0	%100
45	RRU-2	X	.003	.003	0	%100
46	RRU-1	X	.003	.003	0	%100
47	RRU-3	X	.003	.003	0	%100
48	MP-9	X	.003	.003	0	%100
49	MP-12	X	.003	.003	0	%100
50	MP-5	X	.003	.003	0	%100
51	MP-8	X	.003	.003	0	%100
52	FFHR	X	.003	.003	0	%100
53	SF1-HR	X	.000738	.000738	0	%100
54	SF2-HR	X	.003	.003	0	%100
55	K1	X	.005	.005	0	%100
56	K2	X	.005	.005	0	%100
57	K3	X	.005	.005	0	%100
58	FFTH	Z	-.002	-.002	0	%100
59	MP-1	Z	-.003	-.003	0	%100
60	MP-2	Z	-.003	-.003	0	%100
61	MP-3	Z	-.003	-.003	0	%100
62	MP-4	Z	-.003	-.003	0	%100
63	SF1-TH	Z	-.000917	-.000917	0	%100
64	MP-6	Z	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
65	MP-7	Z	-.003	-.003	0	%100
66	SF2-TH	Z	-.003	-.003	0	%100
67	MP-10	Z	-.003	-.003	0	%100
68	MP-11	Z	-.003	-.003	0	%100
69	SA-1	Z	-.003	-.003	0	%100
70	SA-2	Z	-.000771	-.000771	0	%100
71	SA-3	Z	-.002	-.002	0	%100
72	GSI-1	Z	-.001	-.001	0	%100
73	GSI-2	Z	-.005	-.005	0	%100
74	GSI-3	Z	-.003	-.003	0	%100
75	GSI-6	Z	-.003	-.003	0	%100
76	GSI-9	Z	-.003	-.003	0	%100
77	M24	Z	-.001	-.001	0	%100
78	M25	Z	-.004	-.004	0	%100
79	GSI-4	Z	-.001	-.001	0	%100
80	M28	Z	-.004	-.004	0	%100
81	M29	Z	-.003	-.003	0	%100
82	GSI-5	Z	-.004	-.004	0	%100
83	M32	Z	-.003	-.003	0	%100
84	M33	Z	-.001	-.001	0	%100
85	GSI-7	Z	-.001	-.001	0	%100
86	GSI-8	Z	-.005	-.005	0	%100
87	M38	Z	-.004	-.004	0	%100
88	M39	Z	-.004	-.004	0	%100
89	M44	Z	-.004	-.004	0	%100
90	M49	Z	-.002	-.002	0	%100
91	M50	Z	-.002	-.002	0	%100
92	M55	Z	-.002	-.002	0	%100
93	M60	Z	-.006	-.006	0	%100
94	M61	Z	-.006	-.006	0	%100
95	M66	Z	-.006	-.006	0	%100
96	SA-3R	Z	-.004	-.004	0	%100
97	SA-3L	Z	-.004	-.004	0	%100
98	SA-1R	Z	-.005	-.005	0	%100
99	SA-1L	Z	-.005	-.005	0	%100
100	SA-2R	Z	-.001	-.001	0	%100
101	SA-2L	Z	-.001	-.001	0	%100
102	RRU-2	Z	-.003	-.003	0	%100
103	RRU-1	Z	-.003	-.003	0	%100
104	RRU-3	Z	-.003	-.003	0	%100
105	MP-9	Z	-.003	-.003	0	%100
106	MP-12	Z	-.003	-.003	0	%100
107	MP-5	Z	-.003	-.003	0	%100
108	MP-8	Z	-.003	-.003	0	%100
109	FFHR	Z	-.002	-.002	0	%100
110	SF1-HR	Z	-.000899	-.000899	0	%100
111	SF2-HR	Z	-.003	-.003	0	%100
112	K1	Z	-.005	-.005	0	%100
113	K2	Z	-.005	-.005	0	%100
114	K3	Z	-.005	-.005	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	.004	.004	0	%100
2	MP-1	X	.003	.003	0	%100
3	MP-2	X	.003	.003	0	%100
4	MP-3	X	.003	.003	0	%100
5	MP-4	X	.003	.003	0	%100
6	SF1-TH	X	0	0	0	%100
7	MP-6	X	.003	.003	0	%100
8	MP-7	X	.003	.003	0	%100
9	SF2-TH	X	.003	.003	0	%100

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,%]
10	MP-10	X	.003	.003	0	%100
11	MP-11	X	.003	.003	0	%100
12	SA-1	X	.004	.004	0	%100
13	SA-2	X	.002	.002	0	%100
14	SA-3	X	.002	.002	0	%100
15	GSI-1	X	0	0	0	%100
16	GSI-2	X	.005	.005	0	%100
17	GSI-3	X	.005	.005	0	%100
18	GSI-6	X	.005	.005	0	%100
19	GSI-9	X	.005	.005	0	%100
20	M24	X	2.5e-5	2.5e-5	0	%100
21	M25	X	.005	.005	0	%100
22	GSI-4	X	0	0	0	%100
23	M28	X	.005	.005	0	%100
24	M29	X	.005	.005	0	%100
25	GSI-5	X	.004	.004	0	%100
26	M32	X	.005	.005	0	%100
27	M33	X	2.5e-5	2.5e-5	0	%100
28	GSI-7	X	0	0	0	%100
29	GSI-8	X	.005	.005	0	%100
30	M38	X	.007	.007	0	%100
31	M39	X	.007	.007	0	%100
32	M44	X	.007	.007	0	%100
33	M49	X	0	0	0	%100
34	M50	X	0	0	0	%100
35	M55	X	0	0	0	%100
36	M60	X	.007	.007	0	%100
37	M61	X	.007	.007	0	%100
38	M66	X	.006	.006	0	%100
39	SA-3R	X	.003	.003	0	%100
40	SA-3L	X	.003	.003	0	%100
41	SA-1R	X	.006	.006	0	%100
42	SA-1L	X	.006	.006	0	%100
43	SA-2R	X	.003	.003	0	%100
44	SA-2L	X	.003	.003	0	%100
45	RRU-2	X	.003	.003	0	%100
46	RRU-1	X	.003	.003	0	%100
47	RRU-3	X	.003	.003	0	%100
48	MP-9	X	.003	.003	0	%100
49	MP-12	X	.003	.003	0	%100
50	MP-5	X	.003	.003	0	%100
51	MP-8	X	.003	.003	0	%100
52	FFHR	X	.004	.004	0	%100
53	SF1-HR	X	0	0	0	%100
54	SF2-HR	X	.003	.003	0	%100
55	K1	X	.006	.006	0	%100
56	K2	X	.006	.006	0	%100
57	K3	X	.006	.006	0	%100
58	FFTH	Z	-.002	-.002	0	%100
59	MP-1	Z	-.002	-.002	0	%100
60	MP-2	Z	-.002	-.002	0	%100
61	MP-3	Z	-.002	-.002	0	%100
62	MP-4	Z	-.002	-.002	0	%100
63	SF1-TH	Z	0	0	0	%100
64	MP-6	Z	-.002	-.002	0	%100
65	MP-7	Z	-.002	-.002	0	%100
66	SF2-TH	Z	-.002	-.002	0	%100
67	MP-10	Z	-.002	-.002	0	%100
68	MP-11	Z	-.002	-.002	0	%100
69	SA-1	Z	-.002	-.002	0	%100
70	SA-2	Z	-.001	-.001	0	%100
71	SA-3	Z	-.001	-.001	0	%100
72	GSI-1	Z	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
73	GSI-2	Z	-.003	-.003	0	%100
74	GSI-3	Z	-.003	-.003	0	%100
75	GSI-6	Z	-.002	-.002	0	%100
76	GSI-9	Z	-.003	-.003	0	%100
77	M24	Z	-1.5e-5	-1.5e-5	0	%100
78	M25	Z	-.003	-.003	0	%100
79	GSI-4	Z	0	0	0	%100
80	M28	Z	-.003	-.003	0	%100
81	M29	Z	-.003	-.003	0	%100
82	GSI-5	Z	-.003	-.003	0	%100
83	M32	Z	-.003	-.003	0	%100
84	M33	Z	-1.5e-5	-1.5e-5	0	%100
85	GSI-7	Z	0	0	0	%100
86	GSI-8	Z	-.003	-.003	0	%100
87	M38	Z	-.004	-.004	0	%100
88	M39	Z	-.004	-.004	0	%100
89	M44	Z	-.004	-.004	0	%100
90	M49	Z	0	0	0	%100
91	M50	Z	0	0	0	%100
92	M55	Z	0	0	0	%100
93	M60	Z	-.004	-.004	0	%100
94	M61	Z	-.004	-.004	0	%100
95	M66	Z	-.004	-.004	0	%100
96	SA-3R	Z	-.002	-.002	0	%100
97	SA-3L	Z	-.002	-.002	0	%100
98	SA-1R	Z	-.004	-.004	0	%100
99	SA-1L	Z	-.004	-.004	0	%100
100	SA-2R	Z	-.002	-.002	0	%100
101	SA-2L	Z	-.002	-.002	0	%100
102	RRU-2	Z	-.002	-.002	0	%100
103	RRU-1	Z	-.002	-.002	0	%100
104	RRU-3	Z	-.002	-.002	0	%100
105	MP-9	Z	-.002	-.002	0	%100
106	MP-12	Z	-.002	-.002	0	%100
107	MP-5	Z	-.002	-.002	0	%100
108	MP-8	Z	-.002	-.002	0	%100
109	FFHR	Z	-.002	-.002	0	%100
110	SF1-HR	Z	0	0	0	%100
111	SF2-HR	Z	-.002	-.002	0	%100
112	K1	Z	-.004	-.004	0	%100
113	K2	Z	-.004	-.004	0	%100
114	K3	Z	-.004	-.004	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	.005	.005	0	%100
2	MP-1	X	.004	.004	0	%100
3	MP-2	X	.004	.004	0	%100
4	MP-3	X	.004	.004	0	%100
5	MP-4	X	.004	.004	0	%100
6	SF1-TH	X	.004	.004	0	%100
7	MP-6	X	.004	.004	0	%100
8	MP-7	X	.004	.004	0	%100
9	SF2-TH	X	.004	.004	0	%100
10	MP-10	X	.004	.004	0	%100
11	MP-11	X	.004	.004	0	%100
12	SA-1	X	.004	.004	0	%100
13	SA-2	X	.004	.004	0	%100
14	SA-3	X	.004	.004	0	%100
15	GSI-1	X	.006	.006	0	%100
16	GSI-2	X	.006	.006	0	%100
17	GSI-3	X	.007	.007	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	GSI-6	X	.006	.006	0	%100
19	GSI-9	X	.007	.007	0	%100
20	M24	X	.006	.006	0	%100
21	M25	X	.006	.006	0	%100
22	GSI-4	X	.006	.006	0	%100
23	M28	X	.006	.006	0	%100
24	M29	X	.006	.006	0	%100
25	GSI-5	X	.006	.006	0	%100
26	M32	X	.006	.006	0	%100
27	M33	X	.006	.006	0	%100
28	GSI-7	X	.007	.007	0	%100
29	GSI-8	X	.007	.007	0	%100
30	M38	X	.009	.009	0	%100
31	M39	X	.009	.009	0	%100
32	M44	X	.009	.009	0	%100
33	M49	X	.009	.009	0	%100
34	M50	X	.009	.009	0	%100
35	M55	X	.008	.008	0	%100
36	M60	X	.009	.009	0	%100
37	M61	X	.009	.009	0	%100
38	M66	X	.008	.008	0	%100
39	SA-3R	X	.007	.007	0	%100
40	SA-3L	X	.007	.007	0	%100
41	SA-1R	X	.007	.007	0	%100
42	SA-1L	X	.007	.007	0	%100
43	SA-2R	X	.007	.007	0	%100
44	SA-2L	X	.007	.007	0	%100
45	RRU-2	X	.004	.004	0	%100
46	RRU-1	X	.004	.004	0	%100
47	RRU-3	X	.004	.004	0	%100
48	MP-9	X	.004	.004	0	%100
49	MP-12	X	.004	.004	0	%100
50	MP-5	X	.004	.004	0	%100
51	MP-8	X	.004	.004	0	%100
52	FFHR	X	.005	.005	0	%100
53	SF1-HR	X	.004	.004	0	%100
54	SF2-HR	X	.004	.004	0	%100
55	K1	X	.006	.006	0	%100
56	K2	X	.006	.006	0	%100
57	K3	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	.004	.004	0	%100
2	MP-1	X	.003	.003	0	%100
3	MP-2	X	.003	.003	0	%100
4	MP-3	X	.003	.003	0	%100
5	MP-4	X	.003	.003	0	%100
6	SF1-TH	X	.003	.003	0	%100
7	MP-6	X	.003	.003	0	%100
8	MP-7	X	.003	.003	0	%100
9	SF2-TH	X	0	0	0	%100
10	MP-10	X	.003	.003	0	%100
11	MP-11	X	.003	.003	0	%100
12	SA-1	X	.002	.002	0	%100
13	SA-2	X	.004	.004	0	%100
14	SA-3	X	.002	.002	0	%100
15	GSI-1	X	.005	.005	0	%100
16	GSI-2	X	0	0	0	%100
17	GSI-3	X	.005	.005	0	%100
18	GSI-6	X	.005	.005	0	%100
19	GSI-9	X	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
20	M24	X	.005	.005	0	%100
21	M25	X	2.5e-5	2.5e-5	0	%100
22	GSI-4	X	.004	.004	0	%100
23	M28	X	2.5e-5	2.5e-5	0	%100
24	M29	X	.005	.005	0	%100
25	GSI-5	X	0	0	0	%100
26	M32	X	.005	.005	0	%100
27	M33	X	.005	.005	0	%100
28	GSI-7	X	.005	.005	0	%100
29	GSI-8	X	0	0	0	%100
30	M38	X	.007	.007	0	%100
31	M39	X	.007	.007	0	%100
32	M44	X	.007	.007	0	%100
33	M49	X	.007	.007	0	%100
34	M50	X	.007	.007	0	%100
35	M55	X	.006	.006	0	%100
36	M60	X	0	0	0	%100
37	M61	X	0	0	0	%100
38	M66	X	0	0	0	%100
39	SA-3R	X	.003	.003	0	%100
40	SA-3L	X	.003	.003	0	%100
41	SA-1R	X	.003	.003	0	%100
42	SA-1L	X	.003	.003	0	%100
43	SA-2R	X	.006	.006	0	%100
44	SA-2L	X	.006	.006	0	%100
45	RRU-2	X	.003	.003	0	%100
46	RRU-1	X	.003	.003	0	%100
47	RRU-3	X	.003	.003	0	%100
48	MP-9	X	.003	.003	0	%100
49	MP-12	X	.003	.003	0	%100
50	MP-5	X	.003	.003	0	%100
51	MP-8	X	.003	.003	0	%100
52	FFHR	X	.004	.004	0	%100
53	SF1-HR	X	.003	.003	0	%100
54	SF2-HR	X	0	0	0	%100
55	K1	X	.006	.006	0	%100
56	K2	X	.006	.006	0	%100
57	K3	X	.006	.006	0	%100
58	FFTH	Z	.002	.002	0	%100
59	MP-1	Z	.002	.002	0	%100
60	MP-2	Z	.002	.002	0	%100
61	MP-3	Z	.002	.002	0	%100
62	MP-4	Z	.002	.002	0	%100
63	SF1-TH	Z	.002	.002	0	%100
64	MP-6	Z	.002	.002	0	%100
65	MP-7	Z	.002	.002	0	%100
66	SF2-TH	Z	0	0	0	%100
67	MP-10	Z	.002	.002	0	%100
68	MP-11	Z	.002	.002	0	%100
69	SA-1	Z	.001	.001	0	%100
70	SA-2	Z	.002	.002	0	%100
71	SA-3	Z	.001	.001	0	%100
72	GSI-1	Z	.003	.003	0	%100
73	GSI-2	Z	0	0	0	%100
74	GSI-3	Z	.003	.003	0	%100
75	GSI-6	Z	.002	.002	0	%100
76	GSI-9	Z	.003	.003	0	%100
77	M24	Z	.003	.003	0	%100
78	M25	Z	1.5e-5	1.5e-5	0	%100
79	GSI-4	Z	.003	.003	0	%100
80	M28	Z	1.5e-5	1.5e-5	0	%100
81	M29	Z	.003	.003	0	%100
82	GSI-5	Z	0	0	0	%100

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,%]
83	M32	Z	.003	.003	0	%100
84	M33	Z	.003	.003	0	%100
85	GSI-7	Z	.003	.003	0	%100
86	GSI-8	Z	0	0	0	%100
87	M38	Z	.004	.004	0	%100
88	M39	Z	.004	.004	0	%100
89	M44	Z	.004	.004	0	%100
90	M49	Z	.004	.004	0	%100
91	M50	Z	.004	.004	0	%100
92	M55	Z	.004	.004	0	%100
93	M60	Z	0	0	0	%100
94	M61	Z	0	0	0	%100
95	M66	Z	0	0	0	%100
96	SA-3R	Z	.002	.002	0	%100
97	SA-3L	Z	.002	.002	0	%100
98	SA-1R	Z	.002	.002	0	%100
99	SA-1L	Z	.002	.002	0	%100
100	SA-2R	Z	.004	.004	0	%100
101	SA-2L	Z	.004	.004	0	%100
102	RRU-2	Z	.002	.002	0	%100
103	RRU-1	Z	.002	.002	0	%100
104	RRU-3	Z	.002	.002	0	%100
105	MP-9	Z	.002	.002	0	%100
106	MP-12	Z	.002	.002	0	%100
107	MP-5	Z	.002	.002	0	%100
108	MP-8	Z	.002	.002	0	%100
109	FFHR	Z	.002	.002	0	%100
110	SF1-HR	Z	.002	.002	0	%100
111	SF2-HR	Z	0	0	0	%100
112	K1	Z	.004	.004	0	%100
113	K2	Z	.004	.004	0	%100
114	K3	Z	.004	.004	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	MP-1	X	.003	.003	0	%100
3	MP-2	X	.003	.003	0	%100
4	MP-3	X	.003	.003	0	%100
5	MP-4	X	.003	.003	0	%100
6	SF1-TH	X	.003	.003	0	%100
7	MP-6	X	.003	.003	0	%100
8	MP-7	X	.003	.003	0	%100
9	SF2-TH	X	.000749	.000749	0	%100
10	MP-10	X	.003	.003	0	%100
11	MP-11	X	.003	.003	0	%100
12	SA-1	X	.000792	.000792	0	%100
13	SA-2	X	.003	.003	0	%100
14	SA-3	X	.002	.002	0	%100
15	GSI-1	X	.004	.004	0	%100
16	GSI-2	X	.001	.001	0	%100
17	GSI-3	X	.004	.004	0	%100
18	GSI-6	X	.003	.003	0	%100
19	GSI-9	X	.003	.003	0	%100
20	M24	X	.004	.004	0	%100
21	M25	X	.001	.001	0	%100
22	GSI-4	X	.004	.004	0	%100
23	M28	X	.001	.001	0	%100
24	M29	X	.003	.003	0	%100
25	GSI-5	X	.001	.001	0	%100
26	M32	X	.003	.003	0	%100
27	M33	X	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
28	GSI-7	X	.005	.005	0	%100
29	GSI-8	X	.001	.001	0	%100
30	M38	X	.005	.005	0	%100
31	M39	X	.005	.005	0	%100
32	M44	X	.005	.005	0	%100
33	M49	X	.006	.006	0	%100
34	M50	X	.006	.006	0	%100
35	M55	X	.006	.006	0	%100
36	M60	X	.002	.002	0	%100
37	M61	X	.002	.002	0	%100
38	M66	X	.002	.002	0	%100
39	SA-3R	X	.003	.003	0	%100
40	SA-3L	X	.003	.003	0	%100
41	SA-1R	X	.001	.001	0	%100
42	SA-1L	X	.001	.001	0	%100
43	SA-2R	X	.005	.005	0	%100
44	SA-2L	X	.005	.005	0	%100
45	RRU-2	X	.003	.003	0	%100
46	RRU-1	X	.003	.003	0	%100
47	RRU-3	X	.003	.003	0	%100
48	MP-9	X	.003	.003	0	%100
49	MP-12	X	.003	.003	0	%100
50	MP-5	X	.003	.003	0	%100
51	MP-8	X	.003	.003	0	%100
52	FFHR	X	.003	.003	0	%100
53	SF1-HR	X	.003	.003	0	%100
54	SF2-HR	X	.000738	.000738	0	%100
55	K1	X	.005	.005	0	%100
56	K2	X	.005	.005	0	%100
57	K3	X	.005	.005	0	%100
58	FFTH	Z	.002	.002	0	%100
59	MP-1	Z	.003	.003	0	%100
60	MP-2	Z	.003	.003	0	%100
61	MP-3	Z	.003	.003	0	%100
62	MP-4	Z	.003	.003	0	%100
63	SF1-TH	Z	.003	.003	0	%100
64	MP-6	Z	.003	.003	0	%100
65	MP-7	Z	.003	.003	0	%100
66	SF2-TH	Z	.000917	.000917	0	%100
67	MP-10	Z	.003	.003	0	%100
68	MP-11	Z	.003	.003	0	%100
69	SA-1	Z	.000771	.000771	0	%100
70	SA-2	Z	.003	.003	0	%100
71	SA-3	Z	.002	.002	0	%100
72	GSI-1	Z	.005	.005	0	%100
73	GSI-2	Z	.001	.001	0	%100
74	GSI-3	Z	.003	.003	0	%100
75	GSI-6	Z	.003	.003	0	%100
76	GSI-9	Z	.003	.003	0	%100
77	M24	Z	.004	.004	0	%100
78	M25	Z	.001	.001	0	%100
79	GSI-4	Z	.004	.004	0	%100
80	M28	Z	.001	.001	0	%100
81	M29	Z	.003	.003	0	%100
82	GSI-5	Z	.001	.001	0	%100
83	M32	Z	.003	.003	0	%100
84	M33	Z	.004	.004	0	%100
85	GSI-7	Z	.005	.005	0	%100
86	GSI-8	Z	.001	.001	0	%100
87	M38	Z	.004	.004	0	%100
88	M39	Z	.004	.004	0	%100
89	M44	Z	.004	.004	0	%100
90	M49	Z	.006	.006	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,%]
91	M50	Z	.006	.006	0	%100
92	M55	Z	.006	.006	0	%100
93	M60	Z	.002	.002	0	%100
94	M61	Z	.002	.002	0	%100
95	M66	Z	.002	.002	0	%100
96	SA-3R	Z	.004	.004	0	%100
97	SA-3L	Z	.004	.004	0	%100
98	SA-1R	Z	.001	.001	0	%100
99	SA-1L	Z	.001	.001	0	%100
100	SA-2R	Z	.005	.005	0	%100
101	SA-2L	Z	.005	.005	0	%100
102	RRU-2	Z	.003	.003	0	%100
103	RRU-1	Z	.003	.003	0	%100
104	RRU-3	Z	.003	.003	0	%100
105	MP-9	Z	.003	.003	0	%100
106	MP-12	Z	.003	.003	0	%100
107	MP-5	Z	.003	.003	0	%100
108	MP-8	Z	.003	.003	0	%100
109	FFHR	Z	.002	.002	0	%100
110	SF1-HR	Z	.003	.003	0	%100
111	SF2-HR	Z	.000899	.000899	0	%100
112	K1	Z	.005	.005	0	%100
113	K2	Z	.005	.005	0	%100
114	K3	Z	.005	.005	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	.001	.001	0	%100
2	MP-1	X	.002	.002	0	%100
3	MP-2	X	.002	.002	0	%100
4	MP-3	X	.002	.002	0	%100
5	MP-4	X	.002	.002	0	%100
6	SF1-TH	X	.002	.002	0	%100
7	MP-6	X	.002	.002	0	%100
8	MP-7	X	.002	.002	0	%100
9	SF2-TH	X	.001	.001	0	%100
10	MP-10	X	.002	.002	0	%100
11	MP-11	X	.002	.002	0	%100
12	SA-1	X	0	0	0	%100
13	SA-2	X	.002	.002	0	%100
14	SA-3	X	.002	.002	0	%100
15	GSI-1	X	.003	.003	0	%100
16	GSI-2	X	.002	.002	0	%100
17	GSI-3	X	.002	.002	0	%100
18	GSI-6	X	.002	.002	0	%100
19	GSI-9	X	.002	.002	0	%100
20	M24	X	.003	.003	0	%100
21	M25	X	.002	.002	0	%100
22	GSI-4	X	.003	.003	0	%100
23	M28	X	.002	.002	0	%100
24	M29	X	.002	.002	0	%100
25	GSI-5	X	.001	.001	0	%100
26	M32	X	.002	.002	0	%100
27	M33	X	.003	.003	0	%100
28	GSI-7	X	.003	.003	0	%100
29	GSI-8	X	.002	.002	0	%100
30	M38	X	.002	.002	0	%100
31	M39	X	.002	.002	0	%100
32	M44	X	.002	.002	0	%100
33	M49	X	.005	.005	0	%100
34	M50	X	.005	.005	0	%100
35	M55	X	.004	.004	0	%100

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,%]
36	M60	X	.002	.002	0	%100
37	M61	X	.002	.002	0	%100
38	M66	X	.002	.002	0	%100
39	SA-3R	X	.003	.003	0	%100
40	SA-3L	X	.003	.003	0	%100
41	SA-1R	X	0	0	0	%100
42	SA-1L	X	0	0	0	%100
43	SA-2R	X	.003	.003	0	%100
44	SA-2L	X	.003	.003	0	%100
45	RRU-2	X	.002	.002	0	%100
46	RRU-1	X	.002	.002	0	%100
47	RRU-3	X	.002	.002	0	%100
48	MP-9	X	.002	.002	0	%100
49	MP-12	X	.002	.002	0	%100
50	MP-5	X	.002	.002	0	%100
51	MP-8	X	.002	.002	0	%100
52	FFHR	X	.001	.001	0	%100
53	SF1-HR	X	.002	.002	0	%100
54	SF2-HR	X	.001	.001	0	%100
55	K1	X	.003	.003	0	%100
56	K2	X	.003	.003	0	%100
57	K3	X	.003	.003	0	%100
58	FFTH	Z	.002	.002	0	%100
59	MP-1	Z	.003	.003	0	%100
60	MP-2	Z	.003	.003	0	%100
61	MP-3	Z	.003	.003	0	%100
62	MP-4	Z	.003	.003	0	%100
63	SF1-TH	Z	.004	.004	0	%100
64	MP-6	Z	.003	.003	0	%100
65	MP-7	Z	.003	.003	0	%100
66	SF2-TH	Z	.002	.002	0	%100
67	MP-10	Z	.003	.003	0	%100
68	MP-11	Z	.003	.003	0	%100
69	SA-1	Z	0	0	0	%100
70	SA-2	Z	.003	.003	0	%100
71	SA-3	Z	.003	.003	0	%100
72	GSI-1	Z	.006	.006	0	%100
73	GSI-2	Z	.003	.003	0	%100
74	GSI-3	Z	.003	.003	0	%100
75	GSI-6	Z	.002	.002	0	%100
76	GSI-9	Z	.003	.003	0	%100
77	M24	Z	.005	.005	0	%100
78	M25	Z	.003	.003	0	%100
79	GSI-4	Z	.005	.005	0	%100
80	M28	Z	.003	.003	0	%100
81	M29	Z	.003	.003	0	%100
82	GSI-5	Z	.003	.003	0	%100
83	M32	Z	.003	.003	0	%100
84	M33	Z	.005	.005	0	%100
85	GSI-7	Z	.006	.006	0	%100
86	GSI-8	Z	.003	.003	0	%100
87	M38	Z	.004	.004	0	%100
88	M39	Z	.004	.004	0	%100
89	M44	Z	.004	.004	0	%100
90	M49	Z	.008	.008	0	%100
91	M50	Z	.008	.008	0	%100
92	M55	Z	.008	.008	0	%100
93	M60	Z	.004	.004	0	%100
94	M61	Z	.004	.004	0	%100
95	M66	Z	.004	.004	0	%100
96	SA-3R	Z	.006	.006	0	%100
97	SA-3L	Z	.006	.006	0	%100
98	SA-1R	Z	0	0	0	%100

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,%]
99	SA-1L	Z	0	0	0	%100
100	SA-2R	Z	.005	.005	0	%100
101	SA-2L	Z	.005	.005	0	%100
102	RRU-2	Z	.004	.004	0	%100
103	RRU-1	Z	.004	.004	0	%100
104	RRU-3	Z	.004	.004	0	%100
105	MP-9	Z	.003	.003	0	%100
106	MP-12	Z	.003	.003	0	%100
107	MP-5	Z	.003	.003	0	%100
108	MP-8	Z	.003	.003	0	%100
109	FFHR	Z	.002	.002	0	%100
110	SF1-HR	Z	.004	.004	0	%100
111	SF2-HR	Z	.002	.002	0	%100
112	K1	Z	.006	.006	0	%100
113	K2	Z	.006	.006	0	%100
114	K3	Z	.006	.006	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,%]
1	FFTH	Z	0	0	0	%100
2	MP-1	Z	.004	.004	0	%100
3	MP-2	Z	.004	.004	0	%100
4	MP-3	Z	.004	.004	0	%100
5	MP-4	Z	.004	.004	0	%100
6	SF1-TH	Z	.004	.004	0	%100
7	MP-6	Z	.004	.004	0	%100
8	MP-7	Z	.004	.004	0	%100
9	SF2-TH	Z	.004	.004	0	%100
10	MP-10	Z	.004	.004	0	%100
11	MP-11	Z	.004	.004	0	%100
12	SA-1	Z	.002	.002	0	%100
13	SA-2	Z	.002	.002	0	%100
14	SA-3	Z	.004	.004	0	%100
15	GSI-1	Z	.006	.006	0	%100
16	GSI-2	Z	.006	.006	0	%100
17	GSI-3	Z	0	0	0	%100
18	GSI-6	Z	0	0	0	%100
19	GSI-9	Z	0	0	0	%100
20	M24	Z	.005	.005	0	%100
21	M25	Z	.005	.005	0	%100
22	GSI-4	Z	.005	.005	0	%100
23	M28	Z	.005	.005	0	%100
24	M29	Z	2.9e-5	2.9e-5	0	%100
25	GSI-5	Z	.005	.005	0	%100
26	M32	Z	2.9e-5	2.9e-5	0	%100
27	M33	Z	.005	.005	0	%100
28	GSI-7	Z	.006	.006	0	%100
29	GSI-8	Z	.006	.006	0	%100
30	M38	Z	0	0	0	%100
31	M39	Z	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M49	Z	.008	.008	0	%100
34	M50	Z	.008	.008	0	%100
35	M55	Z	.008	.008	0	%100
36	M60	Z	.008	.008	0	%100
37	M61	Z	.008	.008	0	%100
38	M66	Z	.008	.008	0	%100
39	SA-3R	Z	.008	.008	0	%100
40	SA-3L	Z	.008	.008	0	%100
41	SA-1R	Z	.004	.004	0	%100
42	SA-1L	Z	.004	.004	0	%100
43	SA-2R	Z	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
44	SA-2L	Z	.004	.004	0	%100
45	RRU-2	Z	.004	.004	0	%100
46	RRU-1	Z	.004	.004	0	%100
47	RRU-3	Z	.004	.004	0	%100
48	MP-9	Z	.004	.004	0	%100
49	MP-12	Z	.004	.004	0	%100
50	MP-5	Z	.004	.004	0	%100
51	MP-8	Z	.004	.004	0	%100
52	FFHR	Z	0	0	0	%100
53	SF1-HR	Z	.004	.004	0	%100
54	SF2-HR	Z	.004	.004	0	%100
55	K1	Z	.007	.007	0	%100
56	K2	Z	.007	.007	0	%100
57	K3	Z	.007	.007	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	-.001	-.001	0	%100
2	MP-1	X	-.002	-.002	0	%100
3	MP-2	X	-.002	-.002	0	%100
4	MP-3	X	-.002	-.002	0	%100
5	MP-4	X	-.002	-.002	0	%100
6	SF1-TH	X	-.001	-.001	0	%100
7	MP-6	X	-.002	-.002	0	%100
8	MP-7	X	-.002	-.002	0	%100
9	SF2-TH	X	-.002	-.002	0	%100
10	MP-10	X	-.002	-.002	0	%100
11	MP-11	X	-.002	-.002	0	%100
12	SA-1	X	-.002	-.002	0	%100
13	SA-2	X	0	0	0	%100
14	SA-3	X	-.002	-.002	0	%100
15	GSI-1	X	-.002	-.002	0	%100
16	GSI-2	X	-.003	-.003	0	%100
17	GSI-3	X	-.002	-.002	0	%100
18	GSI-6	X	-.002	-.002	0	%100
19	GSI-9	X	-.002	-.002	0	%100
20	M24	X	-.002	-.002	0	%100
21	M25	X	-.003	-.003	0	%100
22	GSI-4	X	-.001	-.001	0	%100
23	M28	X	-.003	-.003	0	%100
24	M29	X	-.002	-.002	0	%100
25	GSI-5	X	-.003	-.003	0	%100
26	M32	X	-.002	-.002	0	%100
27	M33	X	-.002	-.002	0	%100
28	GSI-7	X	-.002	-.002	0	%100
29	GSI-8	X	-.003	-.003	0	%100
30	M38	X	-.002	-.002	0	%100
31	M39	X	-.002	-.002	0	%100
32	M44	X	-.002	-.002	0	%100
33	M49	X	-.002	-.002	0	%100
34	M50	X	-.002	-.002	0	%100
35	M55	X	-.002	-.002	0	%100
36	M60	X	-.005	-.005	0	%100
37	M61	X	-.005	-.005	0	%100
38	M66	X	-.004	-.004	0	%100
39	SA-3R	X	-.003	-.003	0	%100
40	SA-3L	X	-.003	-.003	0	%100
41	SA-1R	X	-.003	-.003	0	%100
42	SA-1L	X	-.003	-.003	0	%100
43	SA-2R	X	0	0	0	%100
44	SA-2L	X	0	0	0	%100
45	RRU-2	X	-.002	-.002	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,%]
46	RRU-1	X	-.002	-.002	0	%100
47	RRU-3	X	-.002	-.002	0	%100
48	MP-9	X	-.002	-.002	0	%100
49	MP-12	X	-.002	-.002	0	%100
50	MP-5	X	-.002	-.002	0	%100
51	MP-8	X	-.002	-.002	0	%100
52	FFHR	X	-.001	-.001	0	%100
53	SF1-HR	X	-.001	-.001	0	%100
54	SF2-HR	X	-.002	-.002	0	%100
55	K1	X	-.003	-.003	0	%100
56	K2	X	-.003	-.003	0	%100
57	K3	X	-.003	-.003	0	%100
58	FFTH	Z	.002	.002	0	%100
59	MP-1	Z	.003	.003	0	%100
60	MP-2	Z	.003	.003	0	%100
61	MP-3	Z	.003	.003	0	%100
62	MP-4	Z	.003	.003	0	%100
63	SF1-TH	Z	.002	.002	0	%100
64	MP-6	Z	.003	.003	0	%100
65	MP-7	Z	.003	.003	0	%100
66	SF2-TH	Z	.004	.004	0	%100
67	MP-10	Z	.003	.003	0	%100
68	MP-11	Z	.003	.003	0	%100
69	SA-1	Z	.003	.003	0	%100
70	SA-2	Z	0	0	0	%100
71	SA-3	Z	.003	.003	0	%100
72	GSI-1	Z	.003	.003	0	%100
73	GSI-2	Z	.006	.006	0	%100
74	GSI-3	Z	.003	.003	0	%100
75	GSI-6	Z	.002	.002	0	%100
76	GSI-9	Z	.003	.003	0	%100
77	M24	Z	.003	.003	0	%100
78	M25	Z	.005	.005	0	%100
79	GSI-4	Z	.003	.003	0	%100
80	M28	Z	.005	.005	0	%100
81	M29	Z	.003	.003	0	%100
82	GSI-5	Z	.005	.005	0	%100
83	M32	Z	.003	.003	0	%100
84	M33	Z	.003	.003	0	%100
85	GSI-7	Z	.003	.003	0	%100
86	GSI-8	Z	.006	.006	0	%100
87	M38	Z	.004	.004	0	%100
88	M39	Z	.004	.004	0	%100
89	M44	Z	.004	.004	0	%100
90	M49	Z	.004	.004	0	%100
91	M50	Z	.004	.004	0	%100
92	M55	Z	.004	.004	0	%100
93	M60	Z	.008	.008	0	%100
94	M61	Z	.008	.008	0	%100
95	M66	Z	.008	.008	0	%100
96	SA-3R	Z	.006	.006	0	%100
97	SA-3L	Z	.006	.006	0	%100
98	SA-1R	Z	.005	.005	0	%100
99	SA-1L	Z	.005	.005	0	%100
100	SA-2R	Z	0	0	0	%100
101	SA-2L	Z	0	0	0	%100
102	RRU-2	Z	.004	.004	0	%100
103	RRU-1	Z	.004	.004	0	%100
104	RRU-3	Z	.004	.004	0	%100
105	MP-9	Z	.003	.003	0	%100
106	MP-12	Z	.003	.003	0	%100
107	MP-5	Z	.003	.003	0	%100
108	MP-8	Z	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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,%]
109	FFHR	Z	.002	.002	0	%100
110	SF1-HR	Z	.002	.002	0	%100
111	SF2-HR	Z	.004	.004	0	%100
112	K1	Z	.006	.006	0	%100
113	K2	Z	.006	.006	0	%100
114	K3	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	MP-1	X	-.003	-.003	0	%100
3	MP-2	X	-.003	-.003	0	%100
4	MP-3	X	-.003	-.003	0	%100
5	MP-4	X	-.003	-.003	0	%100
6	SF1-TH	X	-.000749	-.000749	0	%100
7	MP-6	X	-.003	-.003	0	%100
8	MP-7	X	-.003	-.003	0	%100
9	SF2-TH	X	-.003	-.003	0	%100
10	MP-10	X	-.003	-.003	0	%100
11	MP-11	X	-.003	-.003	0	%100
12	SA-1	X	-.003	-.003	0	%100
13	SA-2	X	-.000792	-.000792	0	%100
14	SA-3	X	-.002	-.002	0	%100
15	GSI-1	X	-.001	-.001	0	%100
16	GSI-2	X	-.004	-.004	0	%100
17	GSI-3	X	-.004	-.004	0	%100
18	GSI-6	X	-.003	-.003	0	%100
19	GSI-9	X	-.003	-.003	0	%100
20	M24	X	-.001	-.001	0	%100
21	M25	X	-.004	-.004	0	%100
22	GSI-4	X	-.001	-.001	0	%100
23	M28	X	-.004	-.004	0	%100
24	M29	X	-.003	-.003	0	%100
25	GSI-5	X	-.004	-.004	0	%100
26	M32	X	-.003	-.003	0	%100
27	M33	X	-.001	-.001	0	%100
28	GSI-7	X	-.001	-.001	0	%100
29	GSI-8	X	-.005	-.005	0	%100
30	M38	X	-.005	-.005	0	%100
31	M39	X	-.005	-.005	0	%100
32	M44	X	-.005	-.005	0	%100
33	M49	X	-.002	-.002	0	%100
34	M50	X	-.002	-.002	0	%100
35	M55	X	-.002	-.002	0	%100
36	M60	X	-.006	-.006	0	%100
37	M61	X	-.006	-.006	0	%100
38	M66	X	-.006	-.006	0	%100
39	SA-3R	X	-.003	-.003	0	%100
40	SA-3L	X	-.003	-.003	0	%100
41	SA-1R	X	-.005	-.005	0	%100
42	SA-1L	X	-.005	-.005	0	%100
43	SA-2R	X	-.001	-.001	0	%100
44	SA-2L	X	-.001	-.001	0	%100
45	RRU-2	X	-.003	-.003	0	%100
46	RRU-1	X	-.003	-.003	0	%100
47	RRU-3	X	-.003	-.003	0	%100
48	MP-9	X	-.003	-.003	0	%100
49	MP-12	X	-.003	-.003	0	%100
50	MP-5	X	-.003	-.003	0	%100
51	MP-8	X	-.003	-.003	0	%100
52	FFHR	X	-.003	-.003	0	%100
53	SF1-HR	X	-.000738	-.000738	0	%100

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,%]
54	SF2-HR	X	-.003	-.003	0	%100
55	K1	X	-.005	-.005	0	%100
56	K2	X	-.005	-.005	0	%100
57	K3	X	-.005	-.005	0	%100
58	FFTH	Z	.002	.002	0	%100
59	MP-1	Z	.003	.003	0	%100
60	MP-2	Z	.003	.003	0	%100
61	MP-3	Z	.003	.003	0	%100
62	MP-4	Z	.003	.003	0	%100
63	SF1-TH	Z	.000917	.000917	0	%100
64	MP-6	Z	.003	.003	0	%100
65	MP-7	Z	.003	.003	0	%100
66	SF2-TH	Z	.003	.003	0	%100
67	MP-10	Z	.003	.003	0	%100
68	MP-11	Z	.003	.003	0	%100
69	SA-1	Z	.003	.003	0	%100
70	SA-2	Z	.000771	.000771	0	%100
71	SA-3	Z	.002	.002	0	%100
72	GSI-1	Z	.001	.001	0	%100
73	GSI-2	Z	.005	.005	0	%100
74	GSI-3	Z	.003	.003	0	%100
75	GSI-6	Z	.003	.003	0	%100
76	GSI-9	Z	.003	.003	0	%100
77	M24	Z	.001	.001	0	%100
78	M25	Z	.004	.004	0	%100
79	GSI-4	Z	.001	.001	0	%100
80	M28	Z	.004	.004	0	%100
81	M29	Z	.003	.003	0	%100
82	GSI-5	Z	.004	.004	0	%100
83	M32	Z	.003	.003	0	%100
84	M33	Z	.001	.001	0	%100
85	GSI-7	Z	.001	.001	0	%100
86	GSI-8	Z	.005	.005	0	%100
87	M38	Z	.004	.004	0	%100
88	M39	Z	.004	.004	0	%100
89	M44	Z	.004	.004	0	%100
90	M49	Z	.002	.002	0	%100
91	M50	Z	.002	.002	0	%100
92	M55	Z	.002	.002	0	%100
93	M60	Z	.006	.006	0	%100
94	M61	Z	.006	.006	0	%100
95	M66	Z	.006	.006	0	%100
96	SA-3R	Z	.004	.004	0	%100
97	SA-3L	Z	.004	.004	0	%100
98	SA-1R	Z	.005	.005	0	%100
99	SA-1L	Z	.005	.005	0	%100
100	SA-2R	Z	.001	.001	0	%100
101	SA-2L	Z	.001	.001	0	%100
102	RRU-2	Z	.003	.003	0	%100
103	RRU-1	Z	.003	.003	0	%100
104	RRU-3	Z	.003	.003	0	%100
105	MP-9	Z	.003	.003	0	%100
106	MP-12	Z	.003	.003	0	%100
107	MP-5	Z	.003	.003	0	%100
108	MP-8	Z	.003	.003	0	%100
109	FFHR	Z	.002	.002	0	%100
110	SF1-HR	Z	.000899	.000899	0	%100
111	SF2-HR	Z	.003	.003	0	%100
112	K1	Z	.005	.005	0	%100
113	K2	Z	.005	.005	0	%100
114	K3	Z	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

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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	-.004	-.004	0	%100
2	MP-1	X	-.003	-.003	0	%100
3	MP-2	X	-.003	-.003	0	%100
4	MP-3	X	-.003	-.003	0	%100
5	MP-4	X	-.003	-.003	0	%100
6	SF1-TH	X	0	0	0	%100
7	MP-6	X	-.003	-.003	0	%100
8	MP-7	X	-.003	-.003	0	%100
9	SF2-TH	X	-.003	-.003	0	%100
10	MP-10	X	-.003	-.003	0	%100
11	MP-11	X	-.003	-.003	0	%100
12	SA-1	X	-.004	-.004	0	%100
13	SA-2	X	-.002	-.002	0	%100
14	SA-3	X	-.002	-.002	0	%100
15	GSI-1	X	0	0	0	%100
16	GSI-2	X	-.005	-.005	0	%100
17	GSI-3	X	-.005	-.005	0	%100
18	GSI-6	X	-.005	-.005	0	%100
19	GSI-9	X	-.005	-.005	0	%100
20	M24	X	-2.5e-5	-2.5e-5	0	%100
21	M25	X	-.005	-.005	0	%100
22	GSI-4	X	0	0	0	%100
23	M28	X	-.005	-.005	0	%100
24	M29	X	-.005	-.005	0	%100
25	GSI-5	X	-.004	-.004	0	%100
26	M32	X	-.005	-.005	0	%100
27	M33	X	-2.5e-5	-2.5e-5	0	%100
28	GSI-7	X	0	0	0	%100
29	GSI-8	X	-.005	-.005	0	%100
30	M38	X	-.007	-.007	0	%100
31	M39	X	-.007	-.007	0	%100
32	M44	X	-.007	-.007	0	%100
33	M49	X	0	0	0	%100
34	M50	X	0	0	0	%100
35	M55	X	0	0	0	%100
36	M60	X	-.007	-.007	0	%100
37	M61	X	-.007	-.007	0	%100
38	M66	X	-.006	-.006	0	%100
39	SA-3R	X	-.003	-.003	0	%100
40	SA-3L	X	-.003	-.003	0	%100
41	SA-1R	X	-.006	-.006	0	%100
42	SA-1L	X	-.006	-.006	0	%100
43	SA-2R	X	-.003	-.003	0	%100
44	SA-2L	X	-.003	-.003	0	%100
45	RRU-2	X	-.003	-.003	0	%100
46	RRU-1	X	-.003	-.003	0	%100
47	RRU-3	X	-.003	-.003	0	%100
48	MP-9	X	-.003	-.003	0	%100
49	MP-12	X	-.003	-.003	0	%100
50	MP-5	X	-.003	-.003	0	%100
51	MP-8	X	-.003	-.003	0	%100
52	FFHR	X	-.004	-.004	0	%100
53	SF1-HR	X	0	0	0	%100
54	SF2-HR	X	-.003	-.003	0	%100
55	K1	X	-.006	-.006	0	%100
56	K2	X	-.006	-.006	0	%100
57	K3	X	-.006	-.006	0	%100
58	FFTH	Z	.002	.002	0	%100
59	MP-1	Z	.002	.002	0	%100
60	MP-2	Z	.002	.002	0	%100
61	MP-3	Z	.002	.002	0	%100
62	MP-4	Z	.002	.002	0	%100
63	SF1-TH	Z	0	0	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,%]
64	MP-6	Z	.002	.002	0	%100
65	MP-7	Z	.002	.002	0	%100
66	SF2-TH	Z	.002	.002	0	%100
67	MP-10	Z	.002	.002	0	%100
68	MP-11	Z	.002	.002	0	%100
69	SA-1	Z	.002	.002	0	%100
70	SA-2	Z	.001	.001	0	%100
71	SA-3	Z	.001	.001	0	%100
72	GSI-1	Z	0	0	0	%100
73	GSI-2	Z	.003	.003	0	%100
74	GSI-3	Z	.003	.003	0	%100
75	GSI-6	Z	.002	.002	0	%100
76	GSI-9	Z	.003	.003	0	%100
77	M24	Z	1.5e-5	1.5e-5	0	%100
78	M25	Z	.003	.003	0	%100
79	GSI-4	Z	0	0	0	%100
80	M28	Z	.003	.003	0	%100
81	M29	Z	.003	.003	0	%100
82	GSI-5	Z	.003	.003	0	%100
83	M32	Z	.003	.003	0	%100
84	M33	Z	1.5e-5	1.5e-5	0	%100
85	GSI-7	Z	0	0	0	%100
86	GSI-8	Z	.003	.003	0	%100
87	M38	Z	.004	.004	0	%100
88	M39	Z	.004	.004	0	%100
89	M44	Z	.004	.004	0	%100
90	M49	Z	0	0	0	%100
91	M50	Z	0	0	0	%100
92	M55	Z	0	0	0	%100
93	M60	Z	.004	.004	0	%100
94	M61	Z	.004	.004	0	%100
95	M66	Z	.004	.004	0	%100
96	SA-3R	Z	.002	.002	0	%100
97	SA-3L	Z	.002	.002	0	%100
98	SA-1R	Z	.004	.004	0	%100
99	SA-1L	Z	.004	.004	0	%100
100	SA-2R	Z	.002	.002	0	%100
101	SA-2L	Z	.002	.002	0	%100
102	RRU-2	Z	.002	.002	0	%100
103	RRU-1	Z	.002	.002	0	%100
104	RRU-3	Z	.002	.002	0	%100
105	MP-9	Z	.002	.002	0	%100
106	MP-12	Z	.002	.002	0	%100
107	MP-5	Z	.002	.002	0	%100
108	MP-8	Z	.002	.002	0	%100
109	FFHR	Z	.002	.002	0	%100
110	SF1-HR	Z	0	0	0	%100
111	SF2-HR	Z	.002	.002	0	%100
112	K1	Z	.004	.004	0	%100
113	K2	Z	.004	.004	0	%100
114	K3	Z	.004	.004	0	%100

Member Distributed Loads (BLC 39 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SF1-TH	Y	-.007	-.009	0	2.179
2	SF1-TH	Y	-.009	-.009	2.179	4.357
3	SF1-TH	Y	-.009	-.009	4.357	6.536
4	SF1-TH	Y	-.009	-.009	6.536	8.714
5	SF1-TH	Y	-.009	-.008	8.714	10.893
6	SF1-TH	Y	-.008	-.009	10.893	13.071
7	SF1-TH	Y	-.009	-.007	13.071	15.25
8	GSI-2	Y	-5.39e-5	-.006	3.046	3.723

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL
Nov 4, 2019
9:45 AM
Checked By: HBC

Member Distributed Loads (BLC 39 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	GSI-2	Y	-.006	-.011	3.723	4.4
10	GSI-2	Y	-.011	-.011	4.4	5.077
11	GSI-3	Y	5.561e-5	-.007	3.046	3.723
12	GSI-3	Y	-.007	-.013	3.723	4.4
13	GSI-3	Y	-.013	-.014	4.4	5.077
14	SF2-TH	Y	-.007	-.009	0	2.179
15	SF2-TH	Y	-.009	-.008	2.179	4.357
16	SF2-TH	Y	-.008	-.009	4.357	6.536
17	SF2-TH	Y	-.009	-.009	6.536	8.714
18	SF2-TH	Y	-.009	-.009	8.714	10.893
19	SF2-TH	Y	-.009	-.009	10.893	13.071
20	SF2-TH	Y	-.009	-.007	13.071	15.25
21	GSI-1	Y	-5.39e-5	-.006	3.046	3.723
22	GSI-1	Y	-.006	-.011	3.723	4.4
23	GSI-1	Y	-.011	-.011	4.4	5.077
24	GSI-3	Y	-.012	-.013	0	.677
25	GSI-3	Y	-.013	-.006	.677	1.354
26	GSI-3	Y	-.006	-2.695e-5	1.354	2.031
27	FFTH	Y	-.007	-.009	0	2.179
28	FFTH	Y	-.009	-.008	2.179	4.357
29	FFTH	Y	-.008	-.009	4.357	6.536
30	FFTH	Y	-.009	-.009	6.536	8.714
31	FFTH	Y	-.009	-.008	8.714	10.893
32	FFTH	Y	-.008	-.009	10.893	13.071
33	FFTH	Y	-.009	-.007	13.071	15.25
34	GSI-1	Y	-.012	-.013	0	.677
35	GSI-1	Y	-.013	-.006	.677	1.354
36	GSI-1	Y	-.006	-2.695e-5	1.354	2.031
37	GSI-2	Y	-.012	-.013	0	.677
38	GSI-2	Y	-.013	-.006	.677	1.354
39	GSI-2	Y	-.006	-2.693e-5	1.354	2.031

Member Distributed Loads (BLC 40 : BLC 18 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SF1-TH	Y	-.004	-.006	0	2.179
2	SF1-TH	Y	-.006	-.006	2.179	4.357
3	SF1-TH	Y	-.006	-.006	4.357	6.536
4	SF1-TH	Y	-.006	-.006	6.536	8.714
5	SF1-TH	Y	-.006	-.005	8.714	10.893
6	SF1-TH	Y	-.005	-.006	10.893	13.071
7	SF1-TH	Y	-.006	-.004	13.071	15.25
8	GSI-2	Y	-3.594e-5	-.004	3.046	3.723
9	GSI-2	Y	-.004	-.008	3.723	4.4
10	GSI-2	Y	-.008	-.007	4.4	5.077
11	GSI-3	Y	3.707e-5	-.004	3.046	3.723
12	GSI-3	Y	-.004	-.009	3.723	4.4
13	GSI-3	Y	-.009	-.009	4.4	5.077
14	SF2-TH	Y	-.004	-.006	0	2.179
15	SF2-TH	Y	-.006	-.005	2.179	4.357
16	SF2-TH	Y	-.005	-.006	4.357	6.536
17	SF2-TH	Y	-.006	-.006	6.536	8.714
18	SF2-TH	Y	-.006	-.006	8.714	10.893
19	SF2-TH	Y	-.006	-.006	10.893	13.071
20	SF2-TH	Y	-.006	-.004	13.071	15.25
21	GSI-1	Y	-3.594e-5	-.004	3.046	3.723
22	GSI-1	Y	-.004	-.008	3.723	4.4
23	GSI-1	Y	-.008	-.007	4.4	5.077
24	GSI-3	Y	-.008	-.008	0	.677
25	GSI-3	Y	-.008	-.004	.677	1.354
26	GSI-3	Y	-.004	-1.797e-5	1.354	2.031
27	FFTH	Y	-.004	-.006	0	2.179
28	FFTH	Y	-.006	-.006	2.179	4.357

Member Distributed Loads (BLC 40 : BLC 18 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	FFTH	Y	-.006	-.006	4.357	6.536
30	FFTH	Y	-.006	-.006	6.536	8.714
31	FFTH	Y	-.006	-.005	8.714	10.893
32	FFTH	Y	-.005	-.006	10.893	13.071
33	FFTH	Y	-.006	-.004	13.071	15.25
34	GSI-1	Y	-.008	-.008	0	.677
35	GSI-1	Y	-.008	-.004	.677	1.354
36	GSI-1	Y	-.004	-1.797e-5	1.354	2.031
37	GSI-2	Y	-.008	-.008	0	.677
38	GSI-2	Y	-.008	-.004	.677	1.354
39	GSI-2	Y	-.004	-1.796e-5	1.354	2.031

Member Area Loads (BLC 1 : Dead)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	FF5	FF1	N174	N172	Y	Two Way	-.012
2	FF5	N172	N173	FF2	Y	Two Way	-.012
3	FF2	N173	N174	FF1	Y	Two Way	-.012

Member Area Loads (BLC 18 : Ice Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	FF5	FF1	N174	N172	Y	Two Way	-.008
2	FF5	N172	N173	FF2	Y	Two Way	-.008
3	FF2	N173	N174	FF1	Y	Two Way	-.008

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....	...	phi*Pn...	phi*Pn...	phi*M...	phi*M...	...	Eqn
1	MP-2	PIPE_2.0	.703	5	22	.117	5		29	13.788	32.13	1.872	1.872	...	H1-1b
2	MP-10	PIPE_2.0	.691	5	32	.107	5		24	13.788	32.13	1.872	1.872	...	H1-1b
3	FFTH	PIPE_2.0	.689	4.924	42	.206	5.0...		18	4.23	32.13	1.872	1.872	...	H1-1b
4	MP-6	PIPE_2.0	.676	5	27	.105	5		18	13.788	32.13	1.872	1.872	...	H1-1b
5	SF1-TH	PIPE_2.0	.642	10.167	34	.217	10....		29	4.23	32.13	1.872	1.872	...	H1-1b
6	SF2-TH	PIPE_2.0	.599	10.167	45	.205	10....		23	4.23	32.13	1.872	1.872	...	H1-1b
7	SA-2L	C4X5.4	.573	2.406	3	.087	1.8...	z	20	31.024	51.192	1.2	6.183	...	H1-1b
8	SA-2R	C4X5.4	.571	1.094	19	.078	1.6...	z	19	31.024	51.192	1.2	6.183	1	H1-1b
9	FFHR	PIPE_2.0	.563	13.443	13	.243	2.4...		26	1.061	32.13	1.872	1.872	...	H1-1a
10	SA-3R	C4X5.4	.521	1.094	30	.073	1.6...	z	22	31.024	51.192	1.2	6.183	1	H1-1b
11	SA-3L	C4X5.4	.520	2.406	14	.079	1.8...	z	30	31.024	51.192	1.2	6.183	...	H1-1b
12	GSI-8	L2x2x4	.520	.716	27	.152	.458	y	22	30.041	30.586	.691	1.577	...	H2-1
13	SA-1R	C4X5.4	.511	1.094	25	.071	1.6...	z	33	31.024	51.192	1.2	6.183	1	H1-1b
14	SA-1L	C4X5.4	.508	2.406	9	.078	1.8...	z	25	31.024	51.192	1.2	6.183	...	H1-1b
15	GSI-2	HSS3X3X4	.507	2.538	39	.198	2.3...	z	19	96.042	101.016	8.556	8.556	...	H1-1b
16	GSI-3	HSS3X3X4	.491	2.538	34	.181	2.5...	z	30	96.042	101.016	8.556	8.556	...	H1-1b
17	GSI-1	HSS3X3X4	.481	2.274	28	.175	2.5...	z	25	96.042	101.016	8.556	8.556	...	H1-1b
18	GSI-9	L2x2x4	.480	.201	30	.141	.458	y	19	30.041	30.586	.691	1.577	...	H2-1
19	GSI-7	L2x2x4	.466	.201	25	.154	.458	y	27	30.041	30.586	.691	1.577	...	H2-1
20	SF2-HR	PIPE_2.0	.452	1.057	13	.243	2.4...		31	1.061	32.13	1.872	1.872	...	H1-1a
21	SF1-HR	PIPE_2.0	.445	13.443	7	.234	1.0...		21	1.061	32.13	1.872	1.872	...	H1-1b
22	MP-11	PIPE_2.0	.347	5	34	.158	5		20	13.788	32.13	1.872	1.872	...	H1-1b
23	MP-1	PIPE_2.0	.344	5	44	.113	5		19	13.788	32.13	1.872	1.872	...	H1-1b
24	GSI-4	L2x2x4	.343	1.083	28	.136	1.0...	z	28	29.807	30.586	.691	1.577	...	H2-1
25	GSI-6	L2x2x4	.308	1.083	19	.118	1.0...	z	19	29.807	30.586	.691	1.577	...	H2-1
26	GSI-5	L2x2x4	.305	1.083	20	.142	1.0...	z	20	29.807	30.586	.691	1.577	...	H2-1
27	MP-3	PIPE_2.0	.298	5	39	.134	5		26	13.788	32.13	1.872	1.872	...	H1-1b
28	MP-9	PIPE_2.0	.291	5	39	.107	5		30	13.788	32.13	1.872	1.872	...	H1-1b
29	MP-5	PIPE_2.0	.286	5	66	.104	5		25	13.788	32.13	1.872	1.872	...	H1-1b
30	MP-7	PIPE_2.0	.285	1	29	.133	5		31	30.475	32.13	1.872	1.872	...	H1-1b
31	MP-4	PIPE_2.0	.179	1	53	.101	5		25	30.475	32.13	1.872	1.872	...	H1-1b
32	MP-12	PIPE_2.0	.147	5	47	.106	5		19	13.788	32.13	1.872	1.872	...	H1-1b
33	MP-8	PIPE_2.0	.146	5	42	.103	5		30	13.788	32.13	1.872	1.872	...	H1-1b

Company : Tower Engineering Professionals, Inc.
Designer : LEG
Job Number : TEP No. 58885.317809
Model Name : BU# 855662 - WINDSORCENTRAL

Nov 4, 2019
9:45 AM
Checked By: HBC

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....	...	phi*Pn...	phi*Pn...	phi*M...	phi*M...	...	Eqn
34	K2	LL2.5x2.5x3x...	.130	7	21	.007	7	z	19	31.666	58.482	3.793	2.094	...	H1-1b
35	K3	LL2.5x2.5x3x...	.124	7	31	.007	7	z	30	31.666	58.482	3.793	2.094	...	H1-1b
36	K1	LL2.5x2.5x3x...	.121	7	26	.007	7	z	25	31.666	58.482	3.793	2.094	...	H1-1b
37	SA-2	PIPE_3.5	.108	0	19	.089	0		19	71.409	78.75	7.954	7.954	...	H1-1b
38	M39	C6X8.2	.105	.659	19	.027	1.7...	z	19	71.8	77.436	2.108	13.932	...	H1-1b
39	M49	C6X8.2	.105	.659	27	.026	.659	z	27	71.8	77.436	2.108	13.932	...	H1-1b
40	SA-3	PIPE_3.5	.091	0	30	.080	0		30	71.409	78.75	7.954	7.954	...	H1-1b
41	SA-1	PIPE_3.5	.087	0	25	.079	0		25	71.409	78.75	7.954	7.954	...	H1-1b
42	M60	C6X8.2	.087	.659	22	.023	1.7...	z	22	71.8	77.436	2.108	13.932	...	H1-1b
43	M50	C6X8.2	.085	.659	30	.025	1.7...	z	30	71.8	77.436	2.108	13.932	...	H1-1b
44	M38	C6X8.2	.084	.659	33	.022	.659	z	33	71.8	77.436	2.108	13.932	...	H1-1b
45	M61	C6X8.2	.082	.659	25	.025	1.7...	z	25	71.8	77.436	2.108	13.932	...	H1-1b
46	M33	L2x2x4	.078	1.24	28	.011	0	y	27	29.596	30.586	.691	1.577	...	H2-1
47	M25	L2x2x4	.073	1.24	23	.011	0	y	22	29.596	30.586	.691	1.577	...	H2-1
48	M32	L2x2x4	.073	0	18	.012	1.24	y	19	29.596	30.586	.691	1.577	...	H2-1
49	M29	L2x2x4	.071	1.24	18	.010	0	y	33	29.596	30.586	.691	1.577	...	H2-1
50	M28	L2x2x4	.071	0	24	.011	1.24	y	25	29.596	30.586	.691	1.577	...	H2-1
51	M24	L2x2x4	.070	0	29	.011	1.24	y	30	29.596	30.586	.691	1.577	...	H2-1
52	M44	C6X8.2	.066	2.076	19	.027	1.7...	z	20	64.992	77.436	2.108	13.932	...	H1-1b
53	M55	C6X8.2	.066	1.757	27	.024	2.0...	z	19	64.992	77.436	2.108	13.932	...	H1-1b
54	M66	C6X8.2	.060	1.757	22	.021	1.7...	z	25	64.992	77.436	2.108	13.932	...	H1-1b
55	RRU-1	PIPE_3.0	.020	3.5	26	.004	3.5		26	48.83	65.205	5.749	5.749	...	H1-1b
56	RRU-3	PIPE_3.0	.020	3.5	21	.004	3.5		21	48.83	65.205	5.749	5.749	...	H1-1b
57	RRU-2	PIPE_3.0	.020	3.5	23	.004	3.5		23	48.83	65.205	5.749	5.749	...	H1-1b

Exhibit F

Power Density/RF Emissions Report

Site Name: Windsor 3, CT
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
CBRS	3500	1	50	50	128	0.0011	1.0	0.11%
VZW PCS	1970	1	6230	6230	128	0.1367	1.0	13.67%
VZW Cellular LTE	869	1	1610	1610	128	0.0353	0.579333333	6.10%
VZW Cellular	869	2	408	816	128	0.0179	0.579333333	3.09%
VZW AWS	2145	1	6170	6170	128	0.1354	1.0	13.54%
VZW 700	746	1	2740	2740	128	0.0601	0.497333333	12.09%

Total Percentage of Maximum Permissible Exposure 48.61%

*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.