Crown Castle
300 Meridian Centre
Rochester, NY 14618

November 18, 2019

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

RE: **Notice of Exempt Modification for Verizon:**
Crown Castle Site ID#: 800515
49 Wig Hill Road, Chester, CT 06412
Latitude: 41° 24' 13.93"Longitude: -72° 28' 20.82"

Dear Ms. Bachman:

Verizon currently maintains twelve (12) total antennas at the 141-foot mount on the existing 150-foot monopole tower, located at 49 Wig Hill Road in Chester, CT. The tower is owned by Crown Castle and the property is owned by Toni Myers. Verizon now intends to replace six (6) existing antennas at the 141-foot mount.

Tower modifications:

- Remove six (6) 700/2100 LTE antennas
- Remove three (3) B13 RRHs
- Remove three (3) B66A RRHs
- Add six (6) hexport antennas on side-by-side mounting brackets
- Add three (3) B5/B13 RRHs
- Add three (3) B2/B66A RRHs

Ground modifications:

- None

Melanie A. Bachman

The facility was approved by the Connecticut Siting Council in Docket No. 181 on May 13th, 1998. Verizon's proposed modification complies with the conditions of approval.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.S.C.A. § 16-50j-73, a copy of this letter is being sent to Ms. Lauren Gister, First-Selectman, Town of Chester, 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:

Ms. Lauren Gister, First-Selectman Town of Chester
203 Middlesex Ave
Chester, CT 06412

Planning and Zoning Commission Town of Chester
203 Middlesex Ave
Chester, CT 06412

Toni Myers
56 North Moodus Rd
Moodus, CT 06469

Exhibit A

Original Facility Approval

Filing Guides
Meetings & Minutes
Public Participation
Audio Link to New Britain Hearing Rooms
Programs & Services
Telecommunications Database
Publications
Other Resources
Statutes & Regulations
Electric Transmission Upgrade Projects
Frequently Asked Questions

Robert Stein,
Chairman

Melanie Bachman,
Acting Executive Director

NOTICE TO USERS

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DOCKET NO. 181 - Cellco Partnership d/b/a Bell Atlantic Mobile application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications tower and associated equipment located at 8 Inspiration Lane, or 49 Wig Hill Road in the Town of Chester, Connecticut

Connecticut Siting Council

May 13, 1998

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility at the proposed alternate site in Chester, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Bell Atlantic Mobile (BAM) for the construction, operation, and maintenance of a telecommunications tower, associated equipment, and buildings at the proposed alternate site, on an approximately 18 acre site at 49 Wig Hill Road in the Town of Chester, Connecticut. We deny certification of the proposed prime site, without prejudice, due to the potential effects to the environment associated with the construction of additional future towers that would be required to provide adequate coverage for all carriers along Route 9, with a tower configuration using the proposed prime site.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of BAM, Springwich Cellular Limited Partnership (Springwich), Sprint Spectrum L. P. (Sprint), Nextel Communications of the Mid-Atlantic, Inc. (Nextel); and other entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level (AGL).

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for site development to include the location and specifications for the tower foundation, antennas, equipment buildings, emergency generator and fuel tank, security fence, access road, and utility line; construction plans for site clearing, tree trimming, water drainage, and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended; provisions for the tower finish that may include painting; and provisions for the prevention and containment of spills and/or other discharge into surface water and groundwater bodies.

3. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

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

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

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

7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and ceases to function.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction

authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

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

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

The parties and intervenors to this proceeding are:

APPLICANT ITS REPRESENTATIVE

Bell Atlantic Mobile

Kenneth C. Baldwin, Esq.

Brian C. S. Freeman, Esq.

Robinson & Cole

One Commercial Plaza

Hartford, CT 06103-3597

Mr. David S. Malko, P.E.

Jennifer Young Gaudet

Bell Atlantic Mobile

20 Alexander Drive

Wallingford, CT 06492

INTERVENORS ITS REPRESENTATIVE

Springwich Cellular Limited Partnership

Peter J. Tyrrell, Esq.

General Counsel

500 Enterprise Drive

Rocky Hill, CT 06067-3900

Nextel Communications of the Mid-Atlantic, Inc. d/b/a Nextel Communications

Christopher B. Fisher, Esq.

Cuddy, Feder & Worby, Esq.

90 Maple Avenue

White Plains, NY 10601

Sprint Spectrum, L.P. d/b/a Sprint PCS

Elias A. Alexiades

Julie M. Cashin

Hurwitz and Sagarin, P.C.

147 North Broad Street

Milford, CT 06460

I:\siting\dockets\181\d&o.doc

Exhibit B

Property Card

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2018.

Information on the Property Records for the Municipality of Chester was last updated on 11/8/2019.

Parcel Information

Location:	49 WIG HILL RD	Property Use:	Residential	Primary Use:	Residential
Unique ID:	00128600	Map Lot:	8/127	Acres:	9.98
490 Acres:		Zone:	R-2	Volume / Page:	171/ 101
Developers Map / Lot:		Census:	6001		

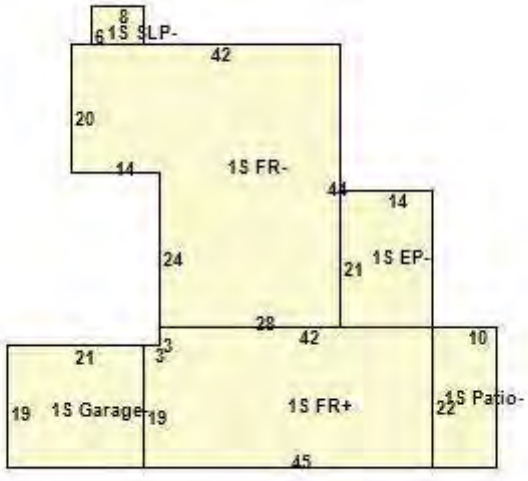
Value Information

	Appraised Value	Assessed Value
Land	135,194	94,630
Buildings	215,711	151,000
Detached Outbuildings	2,656	1,860
Total	353,561	247,490

Owner's Information

Owner's Data
MYERS RANDY D 49 WIG HILL RD CHESTER CT 06412

Building 1



Building Use:	Single Family	Style:	Ranch	Living Area:	2,493
Stories:	1.00	Construction:	Wood Frame	Year Built:	1970
Total Rooms:	9	Bedrooms:	3	Full Baths:	2
Half Baths:	1	Fireplaces:	2	Heating:	FHA
Fuel:	Oil	Cooling Percent:	100%	Basement Area:	981
Basement Finished Area:	616	Basement Garages:	0	Roof Material:	Arch Shingles
Siding:	Clapboards/Texture 1-11	Units:	01		

Special Features

Attached Components

Type:	Year Built:	Area:
Frame Garage	1970	399
Concrete Patio	1970	220
Slate Patio	1970	48
Enclosed Porch	1970	294

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Slate Patio	1999			217
Frame Shed	1999			120

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Valid Sale	Sale Price
MYERS RANDY D	171	101	10/01/2018	Warranty Deed	Yes	$355,000
MYERS TONI L	163	704	05/18/2015	Fiduciary Deed	Yes	$345,000
RAYNER BRUCE A EST	163	71	03/16/2015	Fiduciary Deed	No	$0
RAYNER MARY C EST	163	70	03/16/2015	Fiduciary Deed	No	$0
RAYNER BRUCE A & MARY C	159	708	09/30/2013	Warranty Deed	No	$0
RAYNER BRUCE A+MARY C	0050	0305	08/04/1981		No	$0

Information Published With Permission From The Assessor

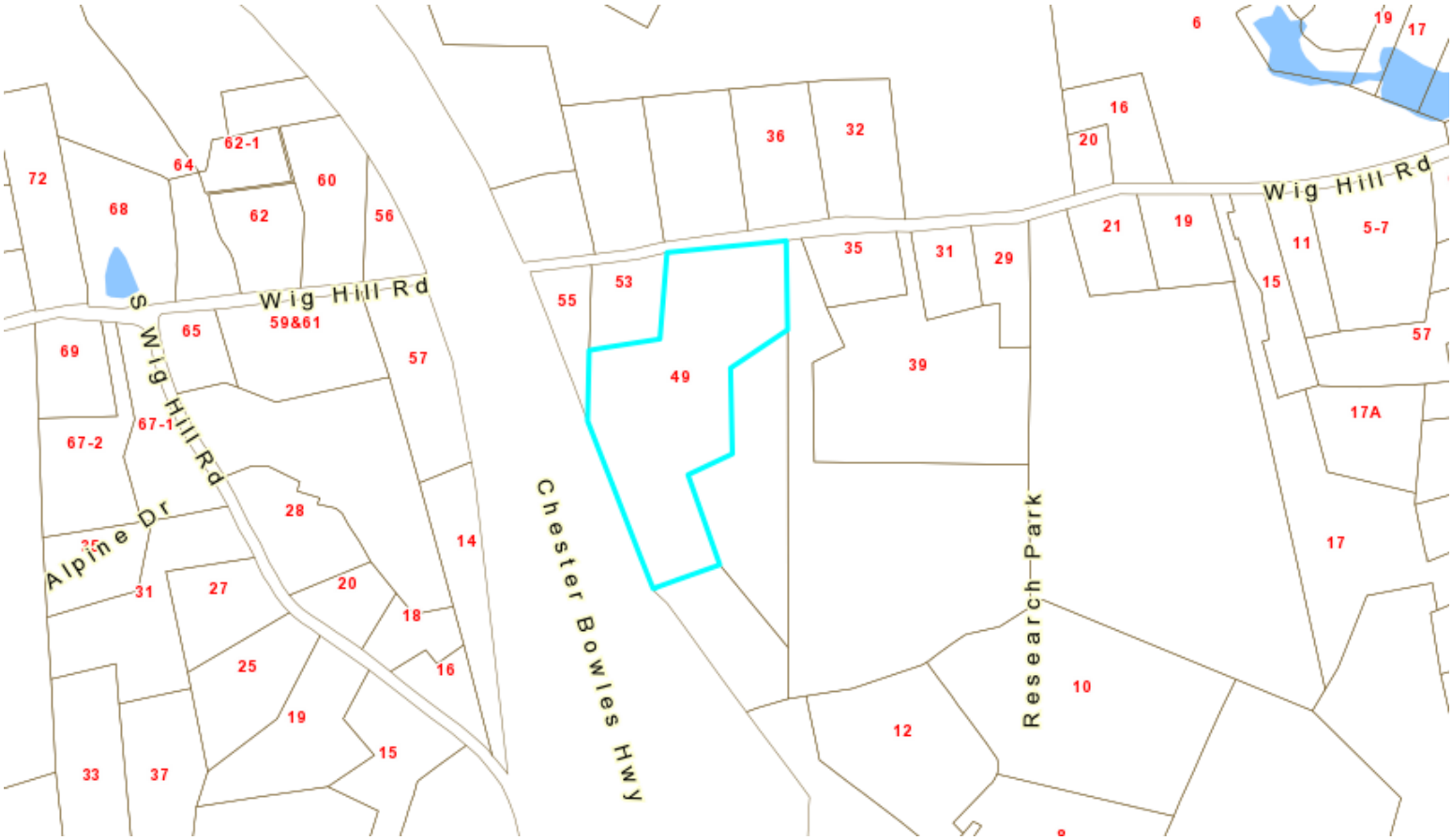


Exhibit C

Construction Drawings

verizon

CHESTER CT
49 WIG HILLL RD
CHESTER, CT 06412

PROJECT SUMMARY

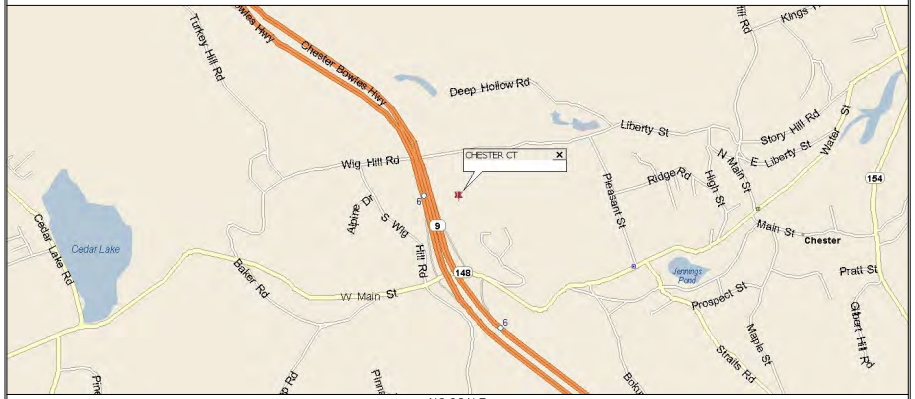
SITE NAME:	CHESTER CT
SITE ADDRESS:	49 WIG HILLL RD CHESTER, CT 06412
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DR CANONSBURG, PA 15317
BU NUMBER:	800515
MAP NUMBER:	8
LOT NUMBER:	127
CUSTOMER/APPLICANT:	VERIZON WIRELESS 400 FRIEBERG PARKWAY WESTBOROUGH, MA 01581
CONTACT:	DAN MYZYRI (617) 945-7288
NAD83	
LATITUDE:	41° 24' 13.93" N
LONGITUDE:	72° 28' 20.82" W
ELEVATION:	380'
CURRENT ZONING:	R-2
A&E FIRM:	B+T GROUP 1717 S. BOULDER, SUITE 300 TULSA, OK 74119 STEVE THORNHILL (918) 587-4630
OCCUPANCY TYPE:	UNMANNED
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

CODE COMPLIANCE

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

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

LOCATION MAP



NO SCALE

DRIVING DIRECTIONS

DEPART BRADLEY INTERNATIONAL AIRPORT ON TERMINAL RD. ROAD NAME CHANGES TO BRADLEY FIELD CONNECTOR. ROAD NAME CHANGES TO CT-20 [BRADLEY FIELD CONNECTOR]. TAKE RAMP (RIGHT) ONTO I-91 [RICHARD P HORAN MEMORIAL HWY]. AT EXIT 22S, TAKE RAMP (LEFT) ONTO CT-9. KEEP STRAIGHT ONTO CT-17 [CT-9]. AT EXIT 13, ROAD NAME CHANGES TO CT-9. AT EXIT 6, KEEP RIGHT ONTO RAMP. TURN LEFT ONTO CT-148 [W MAIN ST]. TURN LEFT ONTO INSPIRATION LN. BEAR LEFT ONTO RESEARCH PARK. TURN LEFT ONTO ACCESS ROAD AND ARRIVE AT CHESTER CT.

DRAWING INDEX

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

A/E DOCUMENT REVIEW STATUS

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

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

DO NOT SCALE DRAWINGS

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

CALL CONNECTICUT ONE CALL
(800) 922-4455
CALL 3 WORKING DAYS
BEFORE YOU DIG!

811

B+T GRP

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

CHESTER CT
49 WIG HILLL RD
CHESTER, CT 06412
EXISTING MONOPOLE

PROJECT NO:	136092.002.01
CHECKED BY:	RMC

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	11/4/19	MLC	CONSTRUCTION
1	11/14/19	MLC	CONSTRUCTION

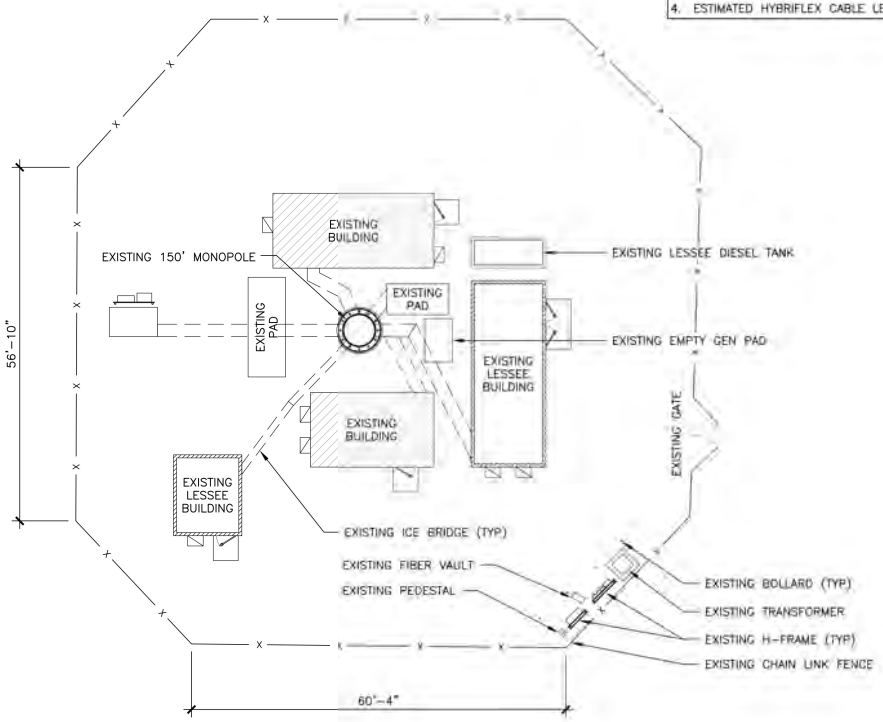
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/20

STATE OF CONNECTICUT
31627
LICENSED
PROFESSIONAL ENGINEER

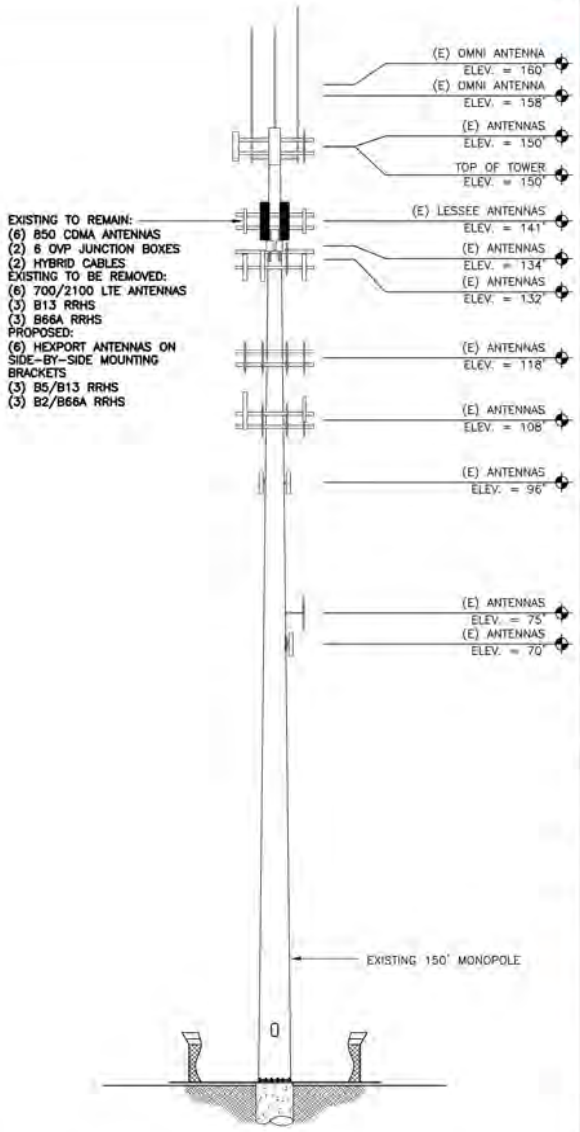
11/14/19

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 WEATHERPROOF UNUSED ANTENNA PORTS.
4. ESTIMATED HYBRIFLEX CABLE LENGTH: 189' (EACH RUN)



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



2 FINAL TOWER ELEVATION
SCALE: 0' 10' 20' 30' 40' 1"=20'

B+T GRP

verizon

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

CHESTER CT

49 WIG HILL RD
CHESTER, CT 06412
EXISTING MONOPOLE

PROJECT NO:	136092.002.01
CHECKED BY:	RMC

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	11/4/19	MLC	CONSTRUCTION
1	11/14/19	MLC	CONSTRUCTION

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

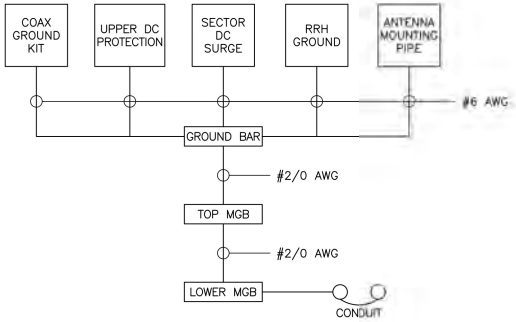
STATE OF CONNECTICUT 31627 LICENSED PROFESSIONAL ENGINEER

11/14/19

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

SHEET NUMBER:	REVISION:
A-1	1

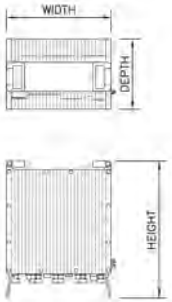
NOTE:
1. INSTALL ALL EQUIPMENT, MOUNTING BRACKETS AND HARDWARE ACCORDING WITH MANUFACTURE'S RECOMMENDATIONS.
2. GROUND DISTRIBUTION BOXES, MOUNTING PIPES AND RRHs IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
3. INSTALLED EQUIPMENT AND MOUNTING BRACKETS SHALL NOT INTERFERE WITH CLIMBING ACCESS NOR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



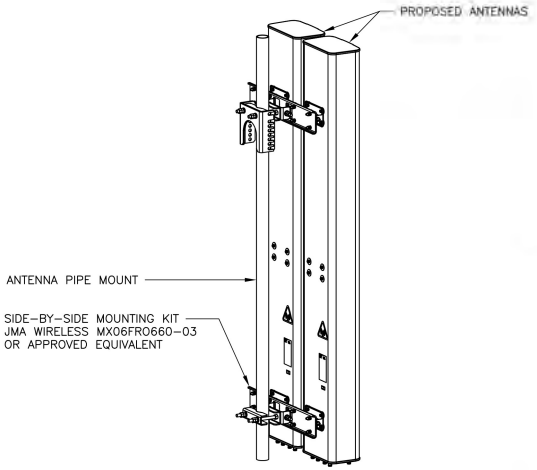
NOTE:
1. BOND ANTENNA GROUNDING KIT CABLES TO TOP CIBE.
2. BOND ANTENNA GROUNDING KIT CABLE TO BOTTOM CIBE.
3. TYPICAL FOR ALL SECTORS.

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

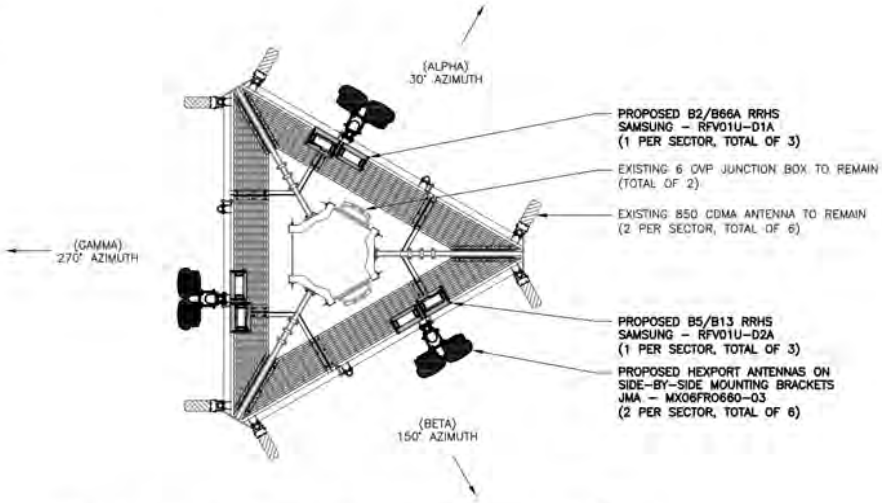
REMOTE RADIO HEAD DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
B2/B66A RFV01U-D1A	15.0"	15.0"	10.0"	84.4 LBS
B5/B13 RFV01U-D2A	15.0"	15.0"	8.1"	70.30 LBS



2 RRH SPECIFICATIONS
SCALE: N.T.S.



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



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

N

B+T GRP

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

CHESTER CT

49 WIG HILL RD
CHESTER, CT 06412
EXISTING MONOPOLE

PROJECT NO:	136092.002.01
CHECKED BY:	RMC

ISSUED FOR:

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0	11/4/19	MLC	CONSTRUCTION
1	11/14/19	MLC	CONSTRUCTION

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

11/14/19

SHEET NUMBER:	REVISION:
A-2	1

Exhibit D

Structural Analysis Report

PAUL J. FORD & COMPANY

Date: **October 31, 2019**

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

Paul J. Ford and Company
250 East Broad St., Suite 600
Columbus, OH
614-221-6679

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Carrier Site Number:	NG3657
	Carrier Site Name:	CHESTER CT
Crown Castle Designation:	**Crown Castle BU Number:**	800515
	Crown Castle Site Name:	CT CHESTER CAC 800515
	Crown Castle JDE Job Number:	592761
	Crown Castle Work Order Number:	1803292
	Crown Castle Order Number:	506819 Rev. 0
Engineering Firm Designation:	**Paul J. Ford and Company Project Number:**	37519-1587.004.7805
Site Data:	**49 Wig Hill Road, Chester, Middlesex County, CT**	
	Latitude *41° 24' 13.93"*, Longitude *-72° 28' 20.82"*	
	150 Foot - Monopole Tower	

Dear Amanda D Brown,

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity-81.7%**

This analysis utilizes an ultimate 3-second gust wind speed of 130 mph as required by the 2018 Connecticut State Building Code and Appendix N. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

Gowtham Penumatsa
Structural Designer II
gpenumatsa@pauljford.com

2019.11.01
14:44:48-04'00'

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 150 ft Monopole tower designed by ENGINEERED ENDEAVORS, INC., in August of 1998.

The tower has been modified per reinforcement drawings prepared by GPD in February of 2005. Reinforcement consist of base plate stiffeners.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	130 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
139.0	142.0	6	antel	LPA-80080-4CF-EDIN-0 w/ Mount Pipe	1 12	1-1/4 1-5/8
		6	jma wireless	MX06FRO660-03 w/ Mount Pipe		
		1	rfs celwave	DB-B1-6C-12AB-0Z		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
	139.0	1	tower mounts	Platform Mount [LP 602-1]		

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)
150.0	150.0	3	alcatel lucent	PCS 1900MHz 4x45W-65MHz	4	1-1/4
		6	alcatel lucent	RRH2X50-800		
		3	alcatel lucent	TD-RRH8x20-25		
		3	commscope	NNVV-65B-R4 w/ Mount Pipe		
		3	nokia	FZHN		
		3	rfs celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
		1	tower mounts	Platform Mount [LP 602-1]		
148.0	163.0	1	rfs celwave	PD1142-1	5	7/8
	162.0	1	dbspectra	DS4C06F36D-N		
	159.0	1	decibel	DB636-A		
		1	rfs celwave	PD1142-1		
	148.0	4	tower mounts	Side Arm Mount [SO 701-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
134.0	134.0	3	ericsson	TME-RRUS-11	-	-
		1	tower mounts	Side Arm Mount [SO 102-3]		
132.0	142.0	1	decibel	DB810KE-YP	12 1 2 1 2	1-1/4 7/8 7/16 3/8 2” Cond
	132.0	1	andrew	DBXNH-6565B-R2M w/ Mount Pipe		
		3	ericsson	RRUS 12		
		3	kathrein	782 10253		
		2	kmw communications	AM-X-CD-16-65-00T-RET w/ Mount Pipe		
		6	powerwave technologies	7020.00		
		6	powerwave technologies	7770.00 w/ Mount Pipe		
		6	powerwave technologies	LGP21401		
		8	powerwave technologies	LGP21901		
		1	raycap	DC6-48-60-18-8F		
		1	tower mounts	Platform Mount [LP 602-1]		
116.0	120.0	2	gps	GPS_A	12 2	1-1/4 1/2
	118.0	12	allgon	7120.16 w/ Mount Pipe		
	116.0	1	tower mounts	Platform Mount [LP 602-1]		
106.0	108.0	2	ericsson	KRY 112 144/1	13	1-5/8
		3	ericsson	KRY 112 489/2		
		3	ericsson	RADIO 4449 B12/B71		
		3	rfs celwave	APXV18-206516S-C-A20 w/ Mount Pipe		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
	106.0	1	tower mounts	Platform Mount [LP 602-1]		
96.0	96.0	3	rfs celwave	APXV18-206517LS w/ Mount Pipe	6	1-1/4
		1	tower mounts	Side Arm Mount [SO 104-3]		
75.0	75.0	1	gps	GPS_A	1	1/2
		1	tower mounts	Side Arm Mount [SO 701-1]		
70.0	70.0	1	kathrein	PR-950	1	WEP65
		1	tower mounts	Side Arm Mount [SO 104-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	Clarence Welti, 10/27/1998	2301672	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	EEI, 4123 Rev. 1, 04/25/1999 & TEP, 081974, 07/31/2008 (Mapping)	671930	CCISITES
4-TOWER MANUFACTURER DRAWINGS	EEI, 4123, 08/07/1998	671925	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	GPD, 2005078.33, 02/24/2005	1037702	CCISITES
4-POST-MODIFICATION INSPECTION	GPD, 2006185.04, 10/05/2006	1285403	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.

3.2) Assumptions

1) Tower and structures were built in accordance with the manufacturer's specifications.
2) The tower and structures have been maintained in accordance with the manufacturer's specification.
3) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
4) Monopole was modified in conformance with the referenced modification drawings.
5) Base plate grout was not installed at the time of the analysis and has not been considered.

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	150 - 122.92	Pole	TP28.83x21x0.1875	1	-10.81	1002.97	44.2	Pass
L2	122.92 - 84.26	Pole	TP39.51x27.2493x0.375	2	-24.26	2746.10	45.6	Pass
L3	84.26 - 41.55	Pole	TP50.99x37.1855x0.4375	3	-38.67	4143.17	50.5	Pass
L4	41.55 - 0	Pole	TP62x48.1364x0.5	4	-61.54	5995.11	48.4	Pass
							Summary	
						Pole (L3)	50.5	Pass
						Rating =	50.5	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	47.7	Pass
1	Base Plate	0	33.3	Pass
1	Base Foundation Structural Steel	0	81.7	Pass
1	Base Foundation Soil Interaction	0	53.4	Pass

Structure Rating (max from all components) =	81.7%

Notes:

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

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

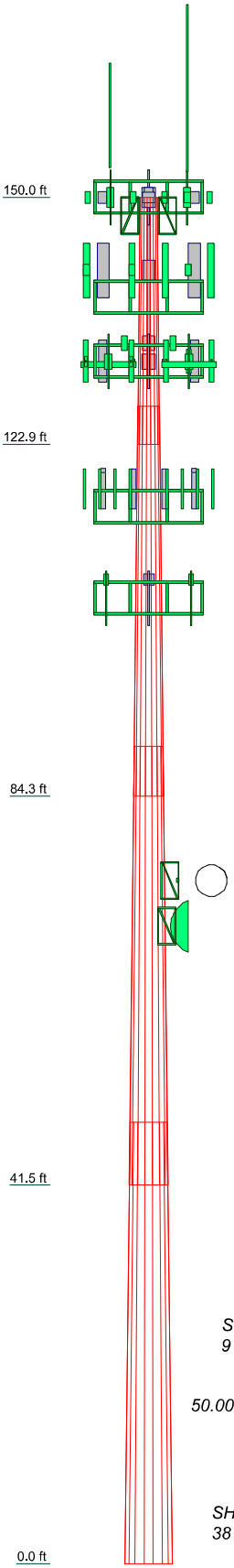
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	27.08	18	0.1875	4.17	21.0000	28.8300		1.4
2	42.83	18	0.3750	5.50	27.2493	39.5100		5.7
3	48.21	18	0.4375	6.91	37.1855	50.9900		9.9
4	48.46	18	0.5000		48.1364	62.0000		14.3
							A572-65	31.3



ALL REACTIONS ARE FACTORED

AXIAL 101 K

SHEAR 9 K

MOMENT 1037 kip-ft

TORQUE 1 kip-ft
50.00 mph WIND - 1.5000 in ICE

AXIAL 62 K

SHEAR 38 K

MOMENT 4239 kip-ft

TORQUE 3 kip-ft
REACTIONS - 130.00 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 130.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50.00 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TIA-222-H Annex S
9. TOWER RATING: 50.5%

PJFLogo

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

Job:	*150 Ft. Monopole / CT Chester CAC*
Project:	*PJF 37519-1587 / BU 800515*
Client: Crown Castle	Drawn by: gpenumatsa — App'd:
Code: TIA-222-H	Date: 10/31/19 — Scale: NTS
Path:	Dwg No. E-1

Tower Input Data

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

1) Tower is located in Middlesex County, Connecticut.
2) Tower base elevation above sea level: 356.00 ft.
3) Basic wind speed of 130.00 mph.
4) Risk Category II.
5) Exposure Category B.
6) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
7) Topographic Category: 1.
8) Crest Height: 0.00 ft.
9) Nominal ice thickness of 1.5000 in.
10) Ice thickness is considered to increase with height.
11) Ice density of 56.00 pcf.
12) A wind speed of 50.00 mph is used in combination with ice.
13) Temperature drop of 50.00 °F.
14) Deflections calculated using a wind speed of 60.00 mph.
15) TIA-222-H Annex S.
16) A non-linear (P-delta) analysis was used.
17) Pressures are calculated at each section.
18) Stress ratio used in pole design is 1.05.
19) Tower analysis based on target reliabilities in accordance with Annex S.
20) Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
21) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade

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	150.00-122.92	27.08	4.17	18	21.0000	28.8300	0.1875	0.7500	A572-65 (65 ksi)
L2	122.92-84.26	42.83	5.50	18	27.2493	39.5100	0.3750	1.5000	A572-65 (65 ksi)
L3	84.26-41.55	48.21	6.91	18	37.1855	50.9900	0.4375	1.7500	A572-65 (65 ksi)
L4	41.55-0.00	48.46		18	48.1364	62.0000	0.5000	2.0000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	21.2950	12.3860	677.8263	7.3884	10.6680	63.5383	1356.5444	6.1942	3.3660	17.952
	29.2458	17.0459	1766.7635	10.1681	14.6456	120.6341	3535.8517	8.5246	4.7441	25.302
L2	28.8239	31.9871	2918.6755	9.5404	13.8426	210.8469	5841.1915	15.9966	4.1359	11.029
	40.0617	46.5804	9013.0474	13.8929	20.0711	449.0564	18037.9544	23.2946	6.2938	16.783
L3	39.2909	51.0293	8706.1286	13.0456	18.8903	460.8793	17423.7129	25.5195	5.7747	13.199
	51.7091	70.1985	22664.7192	17.9461	25.9029	874.9870	45359.2613	35.1059	8.2042	18.753
L4	50.8092	75.5990	21673.5925	16.9109	24.4533	886.3264	43375.7037	37.8067	7.5920	15.184
	62.8793	97.6005	46637.9792	21.8325	31.4960	1480.7588	93337.3258	48.8095	10.0320	20.064

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 150.00-122.92				1	1	1			
L2 122.92-84.26				1	1	1			
L3 84.26-41.55				1	1	1			
L4 41.55-0.00				1	1	1			

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
HJ5-50(7/8")	A	No	Surface Ar (CaAa)	148.00 - 0.00	1	1	-0.042 -0.025	1.1100		0.54
LCF78-50A(7/8") ***	A	No	Surface Ar (CaAa)	132.00 - 0.00	1	1	0.225 0.242	1.0900		0.34
FLC 12-50J(1/2") ***	B	No	Surface Ar (CaAa)	75.00 - 0.00	1	1	0.283 0.300	0.6400		0.17
WEP65(ELLIPTICAL)	B	No	Surface Ar (CaAa)	70.00 - 0.00	1	1	-0.342 -0.317	2.0300		0.53

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
HB114-1-0813U4-M5J(1-1/4)	C	No	No	Inside Pole	150.00 - 0.00	3	No Ice	0.00	1.20
							1/2" Ice	0.00	1.20
							1" Ice	0.00	1.20
							2" Ice	0.00	1.20
HB114-13U3M12-XXXF(1-1/4)	C	No	No	Inside Pole	150.00 - 0.00	1	No Ice	0.00	0.99
							1/2" Ice	0.00	0.99
							1" Ice	0.00	0.99
							2" Ice	0.00	0.99
***									
HJ5-50(7/8")	C	No	No	Inside Pole	148.00 - 0.00	4	No Ice	0.00	0.54
							1/2" Ice	0.00	0.54
							1" Ice	0.00	0.54
							2" Ice	0.00	0.54
***									
HJ7-50A(1-5/8")	C	No	No	Inside Pole	139.00 - 0.00	12	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
HB114-U6S12-xxx-LI(1-1/4")	C	No	No	Inside Pole	139.00 - 0.00	1	No Ice	0.00	1.70
							1/2" Ice	0.00	1.70
							1" Ice	0.00	1.70
							2" Ice	0.00	1.70
***									
LCF114-50J(1-1/4")	C	No	No	Inside Pole	132.00 - 0.00	12	No Ice	0.00	0.70
							1/2" Ice	0.00	0.70
							1" Ice	0.00	0.70
							2" Ice	0.00	0.70
FB-L98B-002-75000(3/8")	C	No	No	Inside Pole	132.00 - 0.00	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-VG122ST-BRDA(7/16")	C	No	No	Inside Pole	132.00 - 0.00	2	No Ice	0.00	0.14
							1/2" Ice	0.00	0.14
							1" Ice	0.00	0.14
							2" Ice	0.00	0.14
2" (Nominal) Conduit	C	No	No	Inside Pole	132.00 - 0.00	1	No Ice	0.00	0.72
							1/2" Ice	0.00	0.72
							1" Ice	0.00	0.72
							2" Ice	0.00	0.72
***									
LDF4-50A(1/2")	C	No	No	Inside Pole	116.00 - 0.00	2	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
CR 1480 PE(1-1/4)	C	No	No	Inside Pole	116.00 - 0.00	12	No Ice	0.00	0.55
							1/2" Ice	0.00	0.55
							1" Ice	0.00	0.55
							2" Ice	0.00	0.55
***									
AVA7-50(1-5/8")	C	No	No	Inside Pole	106.00 - 0.00	13	No Ice	0.00	0.72
							1/2" Ice	0.00	0.72
							1" Ice	0.00	0.72
							2" Ice	0.00	0.72
***									
LDF6-50A(1-1/4")	C	No	No	Inside Pole	96.00 - 0.00	6	No Ice	0.00	0.66
							1/2" Ice	0.00	0.66
							1" Ice	0.00	0.66
							2" Ice	0.00	0.66

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.00-122.92	A	0.000	0.000	3.774	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.49
L2	122.92-84.26	A	0.000	0.000	8.505	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1.64
L3	84.26-41.55	A	0.000	0.000	9.396	0.000	0.04
		B	0.000	0.000	7.916	0.000	0.02
		C	0.000	0.000	0.000	0.000	2.16
L4	41.55-0.00	A	0.000	0.000	9.141	0.000	0.04
		B	0.000	0.000	11.094	0.000	0.03
		C	0.000	0.000	0.000	0.000	2.10

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.00-122.92	A	1.469	0.000	0.000	13.808	0.000	0.17
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.49
L2	122.92-84.26	A	1.428	0.000	0.000	31.217	0.000	0.39
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	1.64
L3	84.26-41.55	A	1.359	0.000	0.000	33.799	0.000	0.41
		B		0.000	0.000	25.600	0.000	0.31
		C		0.000	0.000	0.000	0.000	2.16
L4	41.55-0.00	A	1.213	0.000	0.000	31.727	0.000	0.38
		B		0.000	0.000	33.680	0.000	0.40
		C		0.000	0.000	0.000	0.000	2.10

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	150.00-122.92	-0.8903	-0.6180	-1.6382	-1.1409
L2	122.92-84.26	-1.1934	-1.0687	-2.2272	-2.0022
L3	84.26-41.55	-0.4075	-1.9667	-0.6144	-2.9863
L4	41.55-0.00	-0.1598	-2.3819	-0.1711	-3.4674

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	6	HJ5-50(7/8")	122.92 - 148.00	1.0000	1.0000
L1	12	LCF78-50A(7/8")	122.92 - 132.00	1.0000	1.0000
L2	6	HJ5-50(7/8")	84.26 - 122.92	1.0000	1.0000
L2	12	LCF78-50A(7/8")	84.26 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			122.92		
L2	24	FLC 12-50J(1/2")	84.26 - 75.00	1.0000	1.0000
L2	26	WEP65(ELLIPTICAL)	84.26 - 70.00	1.0000	1.0000
L3	6	HJ5-50(7/8")	41.55 - 84.26	1.0000	1.0000
L3	12	LCF78-50A(7/8")	41.55 - 84.26	1.0000	1.0000
L3	24	FLC 12-50J(1/2")	41.55 - 75.00	1.0000	1.0000
L3	26	WEP65(ELLIPTICAL)	41.55 - 70.00	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
NNVV-65B-R4 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
NNVV-65B-R4 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
NNVV-65B-R4 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	150.00	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	0.08 0.13 0.19 0.33
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	150.00	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	0.08 0.13 0.19 0.33
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	150.00	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	0.08 0.13 0.19 0.33
FZHN	A	From Leg	4.00 0.00 0.00	0.00	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.02 2.20 2.38 2.77	0.61 0.71 0.83 1.09	0.04 0.06 0.07 0.12
FZHN	B	From Leg	4.00 0.00 0.00	0.00	150.00	No Ice 1/2" Ice Ice 1" Ice	2.02 2.20 2.38 2.77	0.61 0.71 0.83 1.09	0.04 0.06 0.07 0.12

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment ° °	Placement ft ft		C_AA_A Front ft^2 ft^2	C_AA_A Side ft^2 ft^2	Weight K K
						2" Ice			
FZHN	C	From Leg	4.00	0.00	150.00	No Ice	2.02	0.61	0.04
			0.00			1/2" Ice	2.20	0.71	0.06
			0.00			1" Ice	2.38	0.83	0.07
						2" Ice	2.77	1.09	0.12
PCS 1900MHz 4x45W-65MHz	A	From Leg	4.00	0.00	150.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.53	2.44	0.08
			0.00			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
PCS 1900MHz 4x45W-65MHz	B	From Leg	4.00	0.00	150.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.53	2.44	0.08
			0.00			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
PCS 1900MHz 4x45W-65MHz	C	From Leg	4.00	0.00	150.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.53	2.44	0.08
			0.00			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
TD-RRH8x20-25	A	From Leg	4.00	0.00	150.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
						2" Ice	5.10	2.30	0.20
TD-RRH8x20-25	B	From Leg	4.00	0.00	150.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
						2" Ice	5.10	2.30	0.20
TD-RRH8x20-25	C	From Leg	4.00	0.00	150.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
						2" Ice	5.10	2.30	0.20
(2) RRH2X50-800	A	From Leg	4.00	0.00	150.00	No Ice	1.70	1.28	0.05
			0.00			1/2" Ice	1.86	1.43	0.07
			0.00			1" Ice	2.03	1.58	0.09
						2" Ice	2.40	1.91	0.14
(2) RRH2X50-800	B	From Leg	4.00	0.00	150.00	No Ice	1.70	1.28	0.05
			0.00			1/2" Ice	1.86	1.43	0.07
			0.00			1" Ice	2.03	1.58	0.09
						2" Ice	2.40	1.91	0.14
(2) RRH2X50-800	C	From Leg	4.00	0.00	150.00	No Ice	1.70	1.28	0.05
			0.00			1/2" Ice	1.86	1.43	0.07
			0.00			1" Ice	2.03	1.58	0.09
						2" Ice	2.40	1.91	0.14
(2) 2.375" OD x 6' Mount Pipe	A	From Leg	4.00	0.00	150.00	No Ice	1.43	1.43	0.03
			0.00			1/2" Ice	1.92	1.92	0.04
			0.00			1" Ice	2.29	2.29	0.05
						2" Ice	3.06	3.06	0.09
(2) 2.375" OD x 6' Mount Pipe	B	From Leg	4.00	0.00	150.00	No Ice	1.43	1.43	0.03
			0.00			1/2" Ice	1.92	1.92	0.04
			0.00			1" Ice	2.29	2.29	0.05
						2" Ice	3.06	3.06	0.09
(2) 2.375" OD x 6' Mount Pipe	C	From Leg	4.00	0.00	150.00	No Ice	1.43	1.43	0.03
			0.00			1/2" Ice	1.92	1.92	0.04
			0.00			1" Ice	2.29	2.29	0.05
						2" Ice	3.06	3.06	0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice			
8-ft Ladder	C	From Leg	2.00 0.00 -2.00	0.00	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.07 9.73 11.19 13.98	7.07 9.73 11.19 13.98	0.04 0.07 0.08 0.11
Platform Mount [LP 602-1]	C	None		0.00	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	31.07 34.82 38.48 45.60	31.07 34.82 38.48 45.60	1.34 1.97 2.67 4.31
***									
PD1142-1	A	From Leg	4.00 0.00 15.00	30.00	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.32 3.21 5.12 8.99	1.32 3.21 5.12 8.99	0.01 0.02 0.05 0.14
PD1142-1	C	From Leg	4.00 0.00 11.00	-30.00	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.32 3.21 5.12 8.99	1.32 3.21 5.12 8.99	0.01 0.02 0.05 0.14
DB636-A	C	From Leg	4.00 0.00 11.00	60.00	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 3.96 5.16 7.24	2.78 3.96 5.16 7.24	0.03 0.05 0.08 0.16
DS4C06F36D-N	B	From Leg	4.00 0.00 14.00	10.00	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 7.37 9.25 13.07	5.50 7.37 9.25 13.07	0.07 0.11 0.16 0.30
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.00 0.00	30.00	148.00	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	0.07 0.08 0.09 0.12
Side Arm Mount [SO 701-1]	B	From Leg	1.50 0.00 0.00	10.00	148.00	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	0.07 0.08 0.09 0.12
Side Arm Mount [SO 701-1]	C	From Leg	1.50 0.00 0.00	-30.00	148.00	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	0.07 0.08 0.09 0.12
Side Arm Mount [SO 701-1]	C	From Leg	1.50 0.00 0.00	60.00	148.00	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	0.07 0.08 0.09 0.12
*** ****									
(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.00	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.22 3.59 4.34	6.57 7.19 7.84 9.17	0.03 0.08 0.13 0.25
(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.00	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.22 3.59 4.34	6.57 7.19 7.84 9.17	0.03 0.08 0.13 0.25
(2) LPA-80080-4CF-EDIN-	C	From Leg	4.00	0.00	139.00	No Ice	2.86	6.57	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
0 w/ Mount Pipe			0.00 3.00			1/2" Ice 1" Ice 2" Ice	3.22 3.59 4.34	7.19 7.84 9.17	0.08 0.13 0.25
(2) MX06FRO660-03 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.00	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	10.11 10.68 11.22 12.32	8.99 10.15 11.03 12.83	0.09 0.17 0.27 0.49
(2) MX06FRO660-03 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.00	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	10.11 10.68 11.22 12.32	8.99 10.15 11.03 12.83	0.09 0.17 0.27 0.49
(2) MX06FRO660-03 w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.00	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	10.11 10.68 11.22 12.32	8.99 10.15 11.03 12.83	0.09 0.17 0.27 0.49
(2) RFV01U-D2A	A	From Leg	4.00 0.00 3.00	0.00	139.00	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	0.07 0.09 0.11 0.15
RFV01U-D2A	B	From Leg	4.00 0.00 3.00	0.00	139.00	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	0.07 0.09 0.11 0.15
RFV01U-D1A	B	From Leg	4.00 0.00 3.00	0.00	139.00	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	0.08 0.10 0.12 0.18
(2) RFV01U-D1A	C	From Leg	4.00 0.00 3.00	0.00	139.00	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	0.08 0.10 0.12 0.18
DB-B1-6C-12AB-0Z	A	From Leg	4.00 0.00 3.00	0.00	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.36 3.60 3.84 4.34	2.19 2.39 2.61 3.05	0.03 0.06 0.09 0.17
8-ft Ladder	C	From Leg	2.00 0.00 -2.00	0.00	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.07 9.73 11.19 13.98	7.07 9.73 11.19 13.98	0.04 0.07 0.08 0.11
Platform Mount [LP 602-1]	C	None		0.00	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	31.07 34.82 38.48 45.60	31.07 34.82 38.48 45.60	1.34 1.97 2.67 4.31
***									
TME-RRUS-11	A	From Leg	2.00 0.00 0.00	0.00	134.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
TME-RRUS-11	B	From Leg	2.00 0.00 0.00	0.00	134.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
TME-RRUS-11	C	From Leg	2.00 0.00 0.00	0.00	134.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
Side Arm Mount [SO 102-3]	C	None		0.00	134.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.60 4.18 4.75 5.90	3.60 4.18 4.75 5.90	0.07 0.11 0.14 0.20
***									
(2) 7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
(2) 7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
(2) 7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
DBXNH-6565B-R2M w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.71	3.30 3.68 4.06 4.87	0.07 0.14 0.21 0.39
AM-X-CD-16-65-00T-RET w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.63 5.06 5.51 6.43	3.27 3.69 4.12 5.00	0.07 0.13 0.20 0.38
AM-X-CD-16-65-00T-RET w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.63 5.06 5.51 6.43	3.27 3.69 4.12 5.00	0.07 0.13 0.20 0.38
DB810KE-YP	A	From Leg	4.00 0.00 10.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.37 5.86 7.37 10.43	4.37 5.86 7.37 10.43	0.04 0.07 0.11 0.22
(4) LGP21901	A	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.23 0.29 0.36 0.53	0.16 0.21 0.28 0.42	0.01 0.01 0.01 0.02
(2) LGP21901	B	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.23 0.29 0.36 0.53	0.16 0.21 0.28 0.42	0.01 0.01 0.01 0.02
(2) LGP21901	C	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.23 0.29 0.36 0.53	0.16 0.21 0.28 0.42	0.01 0.01 0.01 0.02
(2) LGP21401	A	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38 1.69	0.35 0.44 0.54 0.77	0.01 0.02 0.03 0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice			
(2) LGP21401	B	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.10 1.24 1.38 1.69	0.35 0.44 0.54 0.77	0.01 0.02 0.03 0.05
(2) LGP21401	C	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.10 1.24 1.38 1.69	0.35 0.44 0.54 0.77	0.01 0.02 0.03 0.05
782 10253	A	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.11 0.15 0.20 0.33	0.06 0.10 0.14 0.25	0.00 0.00 0.01 0.01
782 10253	B	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.11 0.15 0.20 0.33	0.06 0.10 0.14 0.25	0.00 0.00 0.01 0.01
782 10253	C	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.11 0.15 0.20 0.33	0.06 0.10 0.14 0.25	0.00 0.00 0.01 0.01
(2) 7020.00	A	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.10 0.15 0.20 0.33	0.17 0.24 0.31 0.48	0.00 0.01 0.01 0.02
(2) 7020.00	B	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.10 0.15 0.20 0.33	0.17 0.24 0.31 0.48	0.00 0.01 0.01 0.02
(2) 7020.00	C	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.10 0.15 0.20 0.33	0.17 0.24 0.31 0.48	0.00 0.01 0.01 0.02
DC6-48-60-18-8F	B	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
RRUS 12	A	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.15 3.36 3.59 4.07	1.29 1.44 1.60 1.95	0.06 0.08 0.11 0.17
RRUS 12	B	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.15 3.36 3.59 4.07	1.29 1.44 1.60 1.95	0.06 0.08 0.11 0.17
RRUS 12	C	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.15 3.36 3.59 4.07	1.29 1.44 1.60 1.95	0.06 0.08 0.11 0.17
2.375" OD x 6' Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	132.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.03 0.04 0.05 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice			
2.375" OD x 6' Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	132.00	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	0.03 0.04 0.05 0.09
2.375" OD x 6' Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	132.00	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	0.03 0.04 0.05 0.09
8-ft Ladder	C	From Leg	2.00 0.00 -2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.07 9.73 11.19 13.98	7.07 9.73 11.19 13.98	0.04 0.07 0.08 0.11
Platform Mount [LP 602-1]	C	None		0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	31.07 34.82 38.48 45.60	31.07 34.82 38.48 45.60	1.34 1.97 2.67 4.31
***									
(4) 7120.16 w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.00	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.52 3.92 4.32 5.13	5.95 6.66 7.33 8.73	0.03 0.08 0.13 0.26
(4) 7120.16 w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.00	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.52 3.92 4.32 5.13	5.95 6.66 7.33 8.73	0.03 0.08 0.13 0.26
(4) 7120.16 w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.00	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.52 3.92 4.32 5.13	5.95 6.66 7.33 8.73	0.03 0.08 0.13 0.26
(2) GPS_A	A	From Leg	4.00 0.00 4.00	0.00	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.26 0.32 0.39 0.56	0.26 0.32 0.39 0.56	0.00 0.00 0.01 0.02
Platform Mount [LP 602-1]	C	None		0.00	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	31.07 34.82 38.48 45.60	31.07 34.82 38.48 45.60	1.34 1.97 2.67 4.31
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APXV18-206516S-C-A20 w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.55 2.96 3.38 4.26	2.15 2.55 2.96 3.83	0.04 0.07 0.11 0.21
APXV18-206516S-C-A20 w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.55 2.96 3.38 4.26	2.15 2.55 2.96 3.83	0.04 0.07 0.11 0.21
APXV18-206516S-C-A20 w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.55 2.96 3.38 4.26	2.15 2.55 2.96 3.83	0.04 0.07 0.11 0.21
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00 0.00	0.00	106.00	No Ice 1/2"	14.69 15.46	6.87 7.55	0.19 0.31

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.00			Ice	16.23	8.25	0.46
						1" Ice	17.82	9.67	0.79
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.00	106.00	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	0.19 0.31 0.46 0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.00	106.00	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	0.19 0.31 0.46 0.79
KRY 112 489/2	A	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.56 0.66 0.76 1.00	0.37 0.45 0.54 0.75	0.02 0.02 0.03 0.05
KRY 112 489/2	B	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.56 0.66 0.76 1.00	0.37 0.45 0.54 0.75	0.02 0.02 0.03 0.05
KRY 112 489/2	C	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.56 0.66 0.76 1.00	0.37 0.45 0.54 0.75	0.02 0.02 0.03 0.05
KRY 112 144/1	A	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
KRY 112 144/1	B	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
RADIO 4449 B12/B71	A	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.34	1.16 1.30 1.45 1.76	0.07 0.09 0.11 0.16
RADIO 4449 B12/B71	B	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.34	1.16 1.30 1.45 1.76	0.07 0.09 0.11 0.16
RADIO 4449 B12/B71	C	From Leg	4.00 0.00 2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.34	1.16 1.30 1.45 1.76	0.07 0.09 0.11 0.16
(2) 2.375" OD x 6' Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	106.00	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	0.03 0.04 0.05 0.09
(2) 2.375" OD x 6' Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	106.00	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	0.03 0.04 0.05 0.09
(2) 2.375" OD x 6' Mount Pipe	C	From Leg	4.00 0.00	0.00	106.00	No Ice 1/2"	1.43 1.92	1.43 1.92	0.03 0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			
8-ft Ladder	C	From Leg	2.00 0.00 -2.00	0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.07 9.73 11.19 13.98	7.07 9.73 11.19 13.98	0.04 0.07 0.08 0.11
Platform Mount [LP 602-1]	C	None		0.00	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	31.07 34.82 38.48 45.60	31.07 34.82 38.48 45.60	1.34 1.97 2.67 4.31
***									
APXV18-206517LS w/ Mount Pipe	A	From Leg	2.00 0.00 0.00	0.00	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.35 4.93 6.13	3.15 3.71 4.28 5.46	0.05 0.09 0.14 0.27
APXV18-206517LS w/ Mount Pipe	B	From Leg	2.00 0.00 0.00	0.00	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.35 4.93 6.13	3.15 3.71 4.28 5.46	0.05 0.09 0.14 0.27
APXV18-206517LS w/ Mount Pipe	C	From Leg	2.00 0.00 0.00	0.00	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.35 4.93 6.13	3.15 3.71 4.28 5.46	0.05 0.09 0.14 0.27
Side Arm Mount [SO 104-3]	C	None		0.00	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.62 3.30 3.98 5.35	2.62 3.30 3.98 5.35	0.29 0.41 0.53 0.77
***									
GPS_A	B	From Leg	2.00 0.00 0.00	0.00	75.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.26 0.32 0.39 0.56	0.26 0.32 0.39 0.56	0.00 0.00 0.01 0.02
Side Arm Mount [SO 701-1]	B	From Leg	1.00 0.00 0.00	0.00	75.00	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	0.07 0.08 0.09 0.12
***									
Side Arm Mount [SO 104-1]	B	From Leg	0.50 0.00 0.00	0.00	70.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.51 1.82 2.13 2.75	0.67 0.93 1.19 1.71	0.10 0.14 0.18 0.26

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft^2	Weight K

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
PR-950	B	Grid	From Leg	1.00 0.00 0.00	0.00		70.00	5.67	No Ice 1/2" Ice 1" Ice 2" Ice	25.22 25.97 26.71 28.21	0.04 0.17 0.31 0.57

Tower Pressures - No Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft^2	Face	A_F ft^2	A_R ft^2	A_{leg} ft^2	Leg %	C_AA_A In Face ft^2	C_AA_A Out Face ft^2
L1 150.00-122.92	135.75	1.078	41.57	57.027	A	0.000	57.027	57.027	100.00	3.774	0.000
					B	0.000	57.027		100.00	0.000	0.000
					C	0.000	57.027		100.00	0.000	0.000
L2 122.92-84.26	102.80	0.996	38.33	110.963	A	0.000	110.963	110.963	100.00	8.505	0.000
					B	0.000	110.963		100.00	0.000	0.000
					C	0.000	110.963		100.00	0.000	0.000
L3 84.26-41.55	62.46	0.864	33.12	161.942	A	0.000	161.942	161.942	100.00	9.396	0.000
					B	0.000	161.942		100.00	7.916	0.000
					C	0.000	161.942		100.00	0.000	0.000
L4 41.55-0.00	20.09	0.7	27.11	196.823	A	0.000	196.823	196.823	100.00	9.141	0.000
					B	0.000	196.823		100.00	11.094	0.000
					C	0.000	196.823		100.00	0.000	0.000

Tower Pressure - With Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	t_Z in	A_G ft^2	Face	A_F ft^2	A_R ft^2	A_{leg} ft^2	Leg %	C_AA_A In Face ft^2	C_AA_A Out Face ft^2
L1 150.00-122.92	135.75	1.078	6.15	1.4687	63.656	A	0.000	63.656	63.656	100.00	13.808	0.000
						B	0.000	63.656		100.00	0.000	0.000
						C	0.000	63.656		100.00	0.000	0.000
L2 122.92-84.26	102.80	0.996	5.67	1.4284	120.427	A	0.000	120.427	120.427	100.00	31.217	0.000
						B	0.000	120.427		100.00	0.000	0.000
						C	0.000	120.427		100.00	0.000	0.000
L3 84.26-41.55	62.46	0.864	4.90	1.3590	172.110	A	0.000	172.110	172.110	100.00	33.799	0.000
						B	0.000	172.110		100.00	25.600	0.000
						C	0.000	172.110		100.00	0.000	0.000
L4 41.55-0.00	20.09	0.7	4.01	1.2133	206.234	A	0.000	206.234	206.234	100.00	31.727	0.000
						B	0.000	206.234		100.00	33.680	0.000
						C	0.000	206.234		100.00	0.000	0.000

Tower Pressure - Service

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft^2	Face	A_F ft^2	A_R ft^2	A_{leg} ft^2	Leg %	C_AA_A In Face ft^2	C_AA_A Out Face ft^2

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 150.00-122.92	135.75	1.078	8.34	57.027	A	0.000	57.027	57.027	100.00	3.774	0.000
					B	0.000	57.027		100.00	0.000	0.000
					C	0.000	57.027		100.00	0.000	0.000
L2 122.92-84.26	102.80	0.996	7.69	110.963	A	0.000	110.963	110.963	100.00	8.505	0.000
					B	0.000	110.963		100.00	0.000	0.000
					C	0.000	110.963		100.00	0.000	0.000
L3 84.26-41.55	62.46	0.864	6.64	161.942	A	0.000	161.942	161.942	100.00	9.396	0.000
					B	0.000	161.942		100.00	7.916	0.000
					C	0.000	161.942		100.00	0.000	0.000
L4 41.55-0.00	20.09	0.7	5.44	196.823	A	0.000	196.823	196.823	100.00	9.141	0.000
					B	0.000	196.823		100.00	11.094	0.000
					C	0.000	196.823		100.00	0.000	0.000

Load Combinations

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

Comb. No.	Description
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	150 - 122.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-29.07	0.69	0.11
			Max. Mx	20	-10.82	267.04	-0.18
			Max. My	14	-10.81	0.13	-267.78
			Max. Vy	8	18.48	-266.53	-0.23
			Max. Vx	14	18.53	0.13	-267.78
			Max. Torque	12			-2.43
L2	122.92 - 84.26	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.41	1.32	0.45
			Max. Mx	20	-24.27	1179.63	-0.08
			Max. My	14	-24.26	0.11	-1182.00
			Max. Vy	8	29.46	-1178.92	-0.44
			Max. Vx	14	29.51	0.11	-1182.00
			Max. Torque	12			-3.36
L3	84.26 - 41.55	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.88	-0.25	0.07
			Max. Mx	8	-38.67	-2489.08	-2.16
			Max. My	14	-38.67	-2.39	-2491.00
			Max. Vy	8	33.86	-2489.08	-2.16
			Max. Vx	14	33.77	-2.39	-2491.00
			Max. Torque	12			-3.36
L4	41.55 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-100.50	-0.29	1.13
			Max. Mx	8	-61.54	-4231.49	-5.22
			Max. My	14	-61.54	-6.88	-4229.00
			Max. Vy	8	37.99	-4231.49	-5.22
			Max. Vx	14	37.91	-6.88	-4229.00
			Max. Torque	11			-2.82

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	100.50	-0.00	0.00
	Max. H_x	21	46.17	37.96	0.03
	Max. H_z	3	46.17	0.06	37.86
	Max. M_x	2	4227.34	0.06	37.86
	Max. M_z	8	4231.49	-37.96	-0.06
	Max. Torsion	23	2.81	32.90	19.02
	Min. Vert	15	46.17	-0.09	-37.87
	Min. H_x	8	61.56	-37.96	-0.06
	Min. H_z	14	61.56	-0.09	-37.87
	Min. M_x	14	-4229.00	-0.09	-37.87
	Min. M_z	20	-4231.07	37.96	0.03
	Min. Torsion	11	-2.82	-32.95	-19.05

Tower Mast Reaction Summary

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead Only	51.30	-0.00	0.00	0.33	-0.07	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	61.56	-0.06	-37.86	-4227.34	4.71	-1.72
0.9 Dead+1.0 Wind 0 deg - No Ice	46.17	-0.06	-37.86	-4194.46	4.71	-1.72
1.2 Dead+1.0 Wind 30 deg - No Ice	61.56	18.89	-32.67	-3652.04	-2109.10	-0.68
0.9 Dead+1.0 Wind 30 deg - No Ice	46.17	18.89	-32.67	-3623.59	-2092.60	-0.67
1.2 Dead+1.0 Wind 60 deg - No Ice	61.56	32.80	-18.86	-2108.07	-3659.19	1.07
0.9 Dead+1.0 Wind 60 deg - No Ice	46.17	32.80	-18.86	-2091.69	-3630.61	1.08
1.2 Dead+1.0 Wind 90 deg - No Ice	61.56	37.96	0.06	5.22	-4231.49	2.40
0.9 Dead+1.0 Wind 90 deg - No Ice	46.17	37.96	0.06	5.09	-4198.32	2.40
1.2 Dead+1.0 Wind 120 deg - No Ice	61.56	32.95	19.05	2122.75	-3669.65	2.82
0.9 Dead+1.0 Wind 120 deg - No Ice	46.17	32.95	19.05	2106.10	-3641.02	2.82
1.2 Dead+1.0 Wind 150 deg - No Ice	61.56	19.04	32.89	3669.05	-2120.02	2.48
0.9 Dead+1.0 Wind 150 deg - No Ice	46.17	19.04	32.89	3640.31	-2103.47	2.47
1.2 Dead+1.0 Wind 180 deg - No Ice	61.56	0.09	37.87	4229.00	-6.88	1.74
0.9 Dead+1.0 Wind 180 deg - No Ice	46.17	0.09	37.87	4195.73	-6.82	1.74
1.2 Dead+1.0 Wind 210 deg - No Ice	61.56	-18.81	32.71	3656.33	2102.94	0.67
0.9 Dead+1.0 Wind 210 deg - No Ice	46.17	-18.81	32.72	3627.65	2086.51	0.67
1.2 Dead+1.0 Wind 240 deg - No Ice	61.56	-32.78	18.88	2110.19	3657.32	-1.10
0.9 Dead+1.0 Wind 240 deg - No Ice	46.17	-32.78	18.88	2093.59	3628.79	-1.10
1.2 Dead+1.0 Wind 270 deg - No Ice	61.56	-37.96	-0.03	-2.26	4231.07	-2.48
0.9 Dead+1.0 Wind 270 deg - No Ice	46.17	-37.96	-0.03	-2.36	4198.20	-2.48
1.2 Dead+1.0 Wind 300 deg - No Ice	61.56	-32.90	-19.02	-2119.95	3666.02	-2.81
0.9 Dead+1.0 Wind 300 deg - No Ice	46.17	-32.90	-19.02	-2103.52	3637.45	-2.81
1.2 Dead+1.0 Wind 330 deg - No Ice	61.56	-19.01	-32.91	-3669.31	2117.97	-2.39
0.9 Dead+1.0 Wind 330 deg - No Ice	46.17	-19.01	-32.91	-3640.78	2101.48	-2.39
1.2 Dead+1.0 Ice+1.0 Temp	100.50	0.00	-0.00	-1.13	-0.29	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	100.50	-0.20	-9.10	-1032.81	14.12	-0.80
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	100.50	4.50	-7.79	-887.97	-511.95	-0.28
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	100.50	7.84	-4.50	-513.23	-889.85	0.20
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	100.50	9.07	0.01	-0.77	-1029.00	0.60
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	100.50	7.88	4.55	514.64	-892.93	0.70
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	100.50	4.54	7.86	890.28	-514.97	0.62
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	100.50	0.02	9.04	1025.91	-1.95	0.51
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	100.50	-4.50	7.80	885.74	511.27	0.28
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	100.50	-7.98	4.38	502.21	899.64	0.09
1.2 Dead+1.0 Wind 270	100.50	-9.14	-0.12	-9.97	1033.71	-0.29

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	100.50	-7.95	-4.59	-519.75	897.24	-0.70
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	100.50	-4.68	-7.86	-892.93	524.35	-0.93
Dead+Wind 0 deg - Service	51.30	-0.01	-7.60	-843.91	0.89	-0.35
Dead+Wind 30 deg - Service	51.30	3.79	-6.55	-729.00	-421.21	-0.14
Dead+Wind 60 deg - Service	51.30	6.58	-3.78	-420.69	-730.75	0.22
Dead+Wind 90 deg - Service	51.30	7.62	0.01	1.31	-845.06	0.48
Dead+Wind 120 deg - Service	51.30	6.61	3.82	424.16	-732.85	0.57
Dead+Wind 150 deg - Service	51.30	3.82	6.60	732.93	-423.40	0.50
Dead+Wind 180 deg - Service	51.30	0.02	7.60	844.77	-1.43	0.35
Dead+Wind 210 deg - Service	51.30	-3.77	6.56	730.39	419.88	0.14
Dead+Wind 240 deg - Service	51.30	-6.58	3.79	421.64	730.27	-0.22
Dead+Wind 270 deg - Service	51.30	-7.62	-0.01	-0.19	844.92	-0.50
Dead+Wind 300 deg - Service	51.30	-6.60	-3.82	-423.07	732.01	-0.57
Dead+Wind 330 deg - Service	51.30	-3.81	-6.60	-732.46	422.89	-0.48

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-51.30	0.00	0.00	51.30	-0.00	0.000%
2	-0.06	-61.56	-37.86	0.06	61.56	37.86	0.001%
3	-0.06	-46.17	-37.86	0.06	46.17	37.86	0.001%
4	18.89	-61.56	-32.67	-18.89	61.56	32.67	0.000%
5	18.89	-46.17	-32.67	-18.89	46.17	32.67	0.000%
6	32.80	-61.56	-18.86	-32.80	61.56	18.86	0.000%
7	32.80	-46.17	-18.86	-32.80	46.17	18.86	0.000%
8	37.96	-61.56	0.06	-37.96	61.56	-0.06	0.001%
9	37.96	-46.17	0.06	-37.96	46.17	-0.06	0.003%
10	32.95	-61.56	19.05	-32.95	61.56	-19.05	0.000%
11	32.95	-46.17	19.05	-32.95	46.17	-19.05	0.000%
12	19.04	-61.56	32.89	-19.04	61.56	-32.89	0.000%
13	19.04	-46.17	32.89	-19.04	46.17	-32.89	0.000%
14	0.09	-61.56	37.88	-0.09	61.56	-37.87	0.001%
15	0.09	-46.17	37.88	-0.09	46.17	-37.87	0.003%
16	-18.81	-61.56	32.72	18.81	61.56	-32.71	0.000%
17	-18.81	-46.17	32.72	18.81	46.17	-32.72	0.000%
18	-32.78	-61.56	18.88	32.78	61.56	-18.88	0.000%
19	-32.78	-46.17	18.88	32.78	46.17	-18.88	0.000%
20	-37.97	-61.56	-0.03	37.96	61.56	0.03	0.004%
21	-37.97	-46.17	-0.03	37.96	46.17	0.03	0.003%
22	-32.90	-61.56	-19.02	32.90	61.56	19.02	0.000%
23	-32.90	-46.17	-19.02	32.90	46.17	19.02	0.000%
24	-19.01	-61.56	-32.91	19.01	61.56	32.91	0.000%
25	-19.01	-46.17	-32.91	19.01	46.17	32.91	0.000%
26	0.00	-100.50	0.00	-0.00	100.50	0.00	0.000%
27	-0.20	-100.50	-9.11	0.20	100.50	9.10	0.001%
28	4.50	-100.50	-7.79	-4.50	100.50	7.79	0.001%
29	7.84	-100.50	-4.50	-7.84	100.50	4.50	0.001%
30	9.07	-100.50	0.01	-9.07	100.50	-0.01	0.001%
31	7.88	-100.50	4.55	-7.88	100.50	-4.55	0.001%
32	4.54	-100.50	7.86	-4.54	100.50	-7.86	0.001%
33	0.02	-100.50	9.04	-0.02	100.50	-9.04	0.001%
34	-4.50	-100.50	7.80	4.50	100.50	-7.80	0.001%
35	-7.98	-100.50	4.38	7.98	100.50	-4.38	0.001%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
36	-9.14	-100.50	-0.12	9.14	100.50	0.12	0.001%
37	-7.95	-100.50	-4.59	7.95	100.50	4.59	0.001%
38	-4.68	-100.50	-7.86	4.68	100.50	7.86	0.001%
39	-0.01	-51.30	-7.60	0.01	51.30	7.60	0.003%
40	3.79	-51.30	-6.55	-3.79	51.30	6.55	0.003%
41	6.58	-51.30	-3.78	-6.58	51.30	3.78	0.003%
42	7.62	-51.30	0.01	-7.62	51.30	-0.01	0.003%
43	6.61	-51.30	3.82	-6.61	51.30	-3.82	0.003%
44	3.82	-51.30	6.60	-3.82	51.30	-6.60	0.003%
45	0.02	-51.30	7.60	-0.02	51.30	-7.60	0.003%
46	-3.77	-51.30	6.56	3.77	51.30	-6.56	0.003%
47	-6.58	-51.30	3.79	6.58	51.30	-3.79	0.003%
48	-7.62	-51.30	-0.01	7.62	51.30	0.01	0.003%
49	-6.60	-51.30	-3.82	6.60	51.30	3.82	0.003%
50	-3.81	-51.30	-6.60	3.81	51.30	6.60	0.003%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	13	0.00000001	0.00006781
3	Yes	13	0.00000001	0.00005557
4	Yes	15	0.00000001	0.00008059
5	Yes	15	0.00000001	0.00006111
6	Yes	15	0.00000001	0.00008186
7	Yes	15	0.00000001	0.00006207
8	Yes	13	0.00000001	0.00005630
9	Yes	12	0.00004360	0.00012766
10	Yes	15	0.00000001	0.00008735
11	Yes	15	0.00000001	0.00006633
12	Yes	15	0.00000001	0.00007882
13	Yes	15	0.00000001	0.00005966
14	Yes	13	0.00000001	0.00006564
15	Yes	12	0.00004360	0.00014646
16	Yes	15	0.00000001	0.00008451
17	Yes	15	0.00000001	0.00006413
18	Yes	15	0.00000001	0.00008313
19	Yes	15	0.00000001	0.00006305
20	Yes	12	0.00006374	0.00014942
21	Yes	12	0.00004360	0.00012573
22	Yes	15	0.00000001	0.00007893
23	Yes	15	0.00000001	0.00005975
24	Yes	15	0.00000001	0.00008759
25	Yes	15	0.00000001	0.00006652
26	Yes	6	0.00000001	0.00000001
27	Yes	13	0.00000001	0.00008496
28	Yes	13	0.00000001	0.00009894
29	Yes	13	0.00000001	0.00009954
30	Yes	13	0.00000001	0.00008411
31	Yes	13	0.00000001	0.00010090
32	Yes	13	0.00000001	0.00009905
33	Yes	13	0.00000001	0.00008450
34	Yes	13	0.00000001	0.00010033
35	Yes	13	0.00000001	0.00009959
36	Yes	13	0.00000001	0.00008448
37	Yes	13	0.00000001	0.00009989
38	Yes	13	0.00000001	0.00010219
39	Yes	11	0.00000001	0.00006791
40	Yes	11	0.00000001	0.00005357
41	Yes	11	0.00000001	0.00005544
42	Yes	11	0.00000001	0.00006692
43	Yes	11	0.00000001	0.00006724
44	Yes	11	0.00000001	0.00005255
45	Yes	11	0.00000001	0.00006801

46	Yes	11	0.00000001	0.00006087
47	Yes	11	0.00000001	0.00005766
48	Yes	11	0.00000001	0.00006699
49	Yes	11	0.00000001	0.00005244
50	Yes	11	0.00000001	0.00006798

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 122.92	14.63	44	0.93	0.00
L2	127.09 - 84.26	10.37	44	0.81	0.00
L3	89.76 - 41.55	4.93	44	0.55	0.00
L4	48.46 - 0	1.36	43	0.26	0.00

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	NNVV-65B-R4 w/ Mount Pipe	44	14.63	0.93	0.00	35255
148.00	PD1142-1	44	14.24	0.92	0.00	35255
139.00	(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	44	12.53	0.88	0.00	16025
134.00	TME-RRUS-11	44	11.60	0.85	0.00	11017
132.00	(2) 7770.00 w/ Mount Pipe	44	11.24	0.84	0.00	9793
116.00	(4) 7120.16 w/ Mount Pipe	44	8.53	0.74	0.00	7825
106.00	APXV18-206516S-C-A20 w/ Mount Pipe	44	7.04	0.67	0.00	7948
96.00	APXV18-206517LS w/ Mount Pipe	44	5.69	0.60	0.00	8074
75.00	GPS_A	44	3.35	0.44	0.00	7896
70.00	PR-950	44	2.90	0.41	0.00	7813

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 122.92	73.20	12	4.63	0.02
L2	127.09 - 84.26	51.90	12	4.08	0.01
L3	89.76 - 41.55	24.69	12	2.76	0.00
L4	48.46 - 0	6.83	10	1.31	0.00

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	NNVV-65B-R4 w/ Mount Pipe	12	73.20	4.63	0.02	7163
148.00	PD1142-1	12	71.28	4.59	0.02	7163
139.00	(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	12	62.72	4.38	0.02	3255
134.00	TME-RRUS-11	12	58.08	4.26	0.02	2237
132.00	(2) 7770.00 w/ Mount Pipe	12	56.26	4.21	0.01	1988

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
116.00	(4) 7120.16 w/ Mount Pipe	12	42.71	3.73	0.01	1581
106.00	APXV18-206516S-C-A20 w/ Mount Pipe	12	35.23	3.37	0.01	1600
96.00	APXV18-206517LS w/ Mount Pipe	12	28.51	3.00	0.00	1620
75.00	GPS_A	10	16.80	2.21	0.00	1580
70.00	PR-950	10	14.50	2.03	0.00	1563

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	150 - 122.92 (1)	TP28.83x21x0.1875	27.08	0.00	0.0	16.3283	-10.81	955.21	0.011
L2	122.92 - 84.26 (2)	TP39.51x27.2493x0.375	42.83	0.00	0.0	44.7064	-24.26	2615.33	0.009
L3	84.26 - 41.55 (3)	TP50.99x37.1855x0.4375	48.21	0.00	0.0	67.4509	-38.67	3945.88	0.010
L4	41.55 - 0 (4)	TP62x48.1364x0.5	48.46	0.00	0.0	97.6005	-61.54	5709.63	0.011

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	150 - 122.92 (1)	TP28.83x21x0.1875	267.78	597.04	0.449	0.00	597.04	0.000
L2	122.92 - 84.26 (2)	TP39.51x27.2493x0.375	1182.00	2527.26	0.468	0.00	2527.26	0.000
L3	84.26 - 41.55 (3)	TP50.99x37.1855x0.4375	2493.21	4799.61	0.519	0.00	4799.61	0.000
L4	41.55 - 0 (4)	TP62x48.1364x0.5	4239.38	8525.50	0.497	0.00	8525.50	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	150 - 122.92 (1)	TP28.83x21x0.1875	18.53	286.56	0.065	2.14	688.54	0.003
L2	122.92 - 84.26 (2)	TP39.51x27.2493x0.375	29.51	784.60	0.038	2.99	2580.82	0.001
L3	84.26 - 41.55 (3)	TP50.99x37.1855x0.4375	33.90	1183.76	0.029	2.48	5035.56	0.000
L4	41.55 - 0 (4)	TP62x48.1364x0.5	38.09	1712.89	0.022	2.82	9225.42	0.000

Pole Interaction Design Data

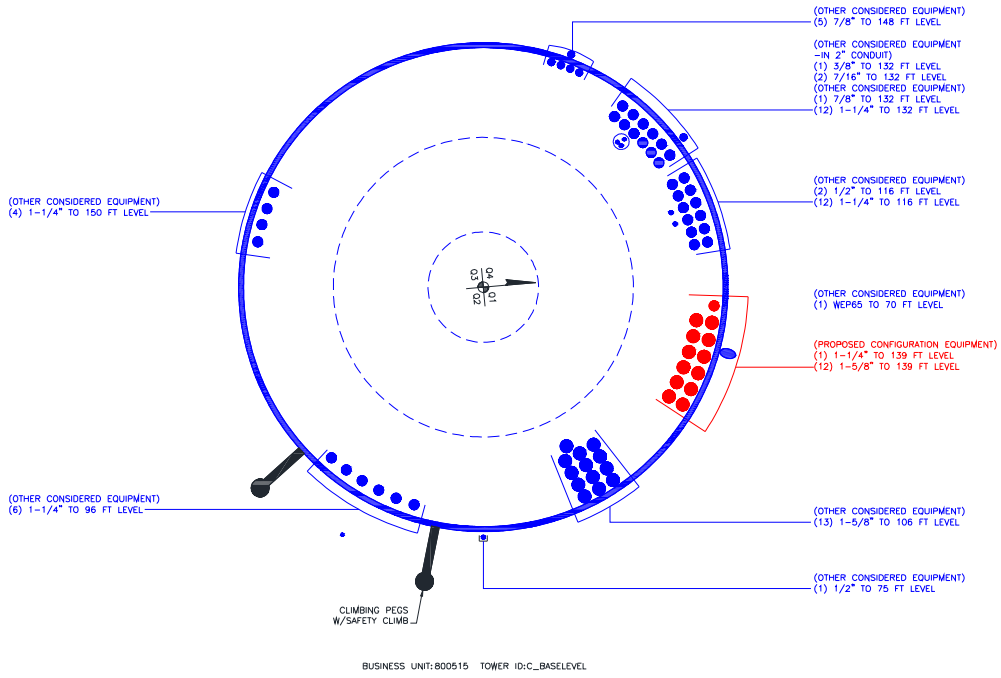
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 122.92 (1)	0.011	0.449	0.000	0.065	0.003	0.464	1.050	4.8.2
L2	122.92 - 84.26 (2)	0.009	0.468	0.000	0.038	0.001	0.478	1.050	4.8.2
L3	84.26 - 41.55 (3)	0.010	0.519	0.000	0.029	0.000	0.530	1.050	4.8.2
L4	41.55 - 0 (4)	0.011	0.497	0.000	0.022	0.000	0.509	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	150 - 122.92	Pole	TP28.83x21x0.1875	1	-10.81	1002.97	44.2	Pass
L2	122.92 - 84.26	Pole	TP39.51x27.2493x0.375	2	-24.26	2746.10	45.6	Pass
L3	84.26 - 41.55	Pole	TP50.99x37.1855x0.4375	3	-38.67	4143.17	50.5	Pass
L4	41.55 - 0	Pole	TP62x48.1364x0.5	4	-61.54	5995.11	48.4	Pass
							Summary	
						Pole (L3)	50.5	Pass
						RATING =	**50.5**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(5) 7/8" TO 148 FT LEVEL
(OTHER CONSIDERED EQUIPMENT
-IN 2" CONDUIT)
(1) 3/8" TO 132 FT LEVEL
(2) 7/16" TO 132 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 7/8" TO 132 FT LEVEL
(12) 1-1/4" TO 132 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(4) 1-1/4" TO 150 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 1/2" TO 116 FT LEVEL
(12) 1-1/4" TO 116 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) WEP65 TO 70 FT LEVEL
(PROPOSED CONFIGURATION EQUIPMENT)
(1) 1-1/4" TO 139 FT LEVEL
(12) 1-5/8" TO 139 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 1-1/4" TO 96 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(13) 1-5/8" TO 106 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 75 FT LEVEL
CLIMBING PEGS
W/SAFETY CLIMB
Q4
Q3
Q1
Q2
BUSINESS UNIT:800515 TOWER ID:C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

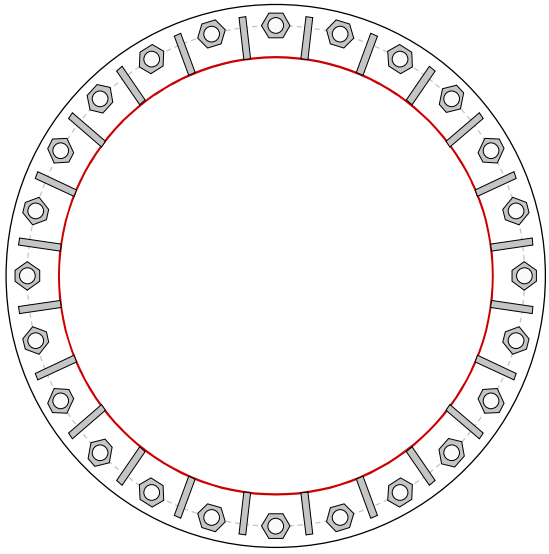
Monopole Base Plate Connection

Site Info	
BU #	800515
Site Name	
Order #	

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0.5

Applied Loads	
Moment (kip-ft)	4239.39
Axial Force (kips)	61.54
Shear Force (kips)	38.09

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(24) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 71" BC

Base Plate Data

77" OD x 2.25" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

(24) 16"H x 6"W x 1"T, Notch: 1"
plate: Fy= 70 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" groove, 45° dbl bevelFALSE
vert. weld: 0.5" fillet

Pole Data

62" x 0.5" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary		*(units of kips, kip-in)*
Pu_c = 121.93	ϕPn_c = 243.75	**Stress Rating**
Vu = 1.59	ϕVn = 73.13	**47.7%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary		
Max Stress (ksi):	18.88	(Roark's Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**33.3%**	**Pass**

Stiffener Summary		
Horizontal Weld:	**25.2%**	**Pass**
Vertical Weld:	**25.3%**	**Pass**
Plate Flexure+Shear:	**6.1%**	**Pass**
Plate Tension+Shear:	**24.2%**	**Pass**
Plate Compression:	**26.1%**	**Pass**
Pole Summary		
Punching Shear:	**7.6%**	**Pass**

Pier and Pad Foundation

BU # :	800515
Site Name:	
App. Number:	

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	61.54	kips
Base Shear, Vu_comp:	38.09	kips
Moment, M_u:	4239.39	ft-kips
Tower Height, **H**:	150	ft
BP Dist. Above Fdn, bp_{dist}:	2.75	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	7.5	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	51	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	7	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	5.2	ft
Pad Width, **W**:	28	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom), **Sp**:	8	
Pad Rebar Quantity (Bottom), **mp**:	24	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	3	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	165	pcf
Ultimate Gross Bearing, Qult:	20.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:		
Base Friction, μ:		
Neglected Depth, **N**:	3.75	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, **gw**:	n/a	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	237.10	38.09	**15.3%**	**Pass**
Bearing Pressure (ksf)	15.00	2.84	**18.0%**	**Pass**
*Overturning (kip*ft)*	8359.62	4465.23	**53.4%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	6888.01	4342.23	**60.0%**	**Pass**
Pier Compression (kip)	21089.12	83.01	**0.4%**	**Pass**
*Pad Flexure (kip*ft)*	2630.94	1583.65	**57.3%**	**Pass**
Pad Shear - 1-way (kips)	869.56	220.90	**24.2%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.039	**22.6%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3036.17	2605.34	**81.7%**	**Pass**

**Rating per TIA-222-H Section 15.5*

Soil Rating*:	**53.4%**
Structural Rating*:	**81.7%**

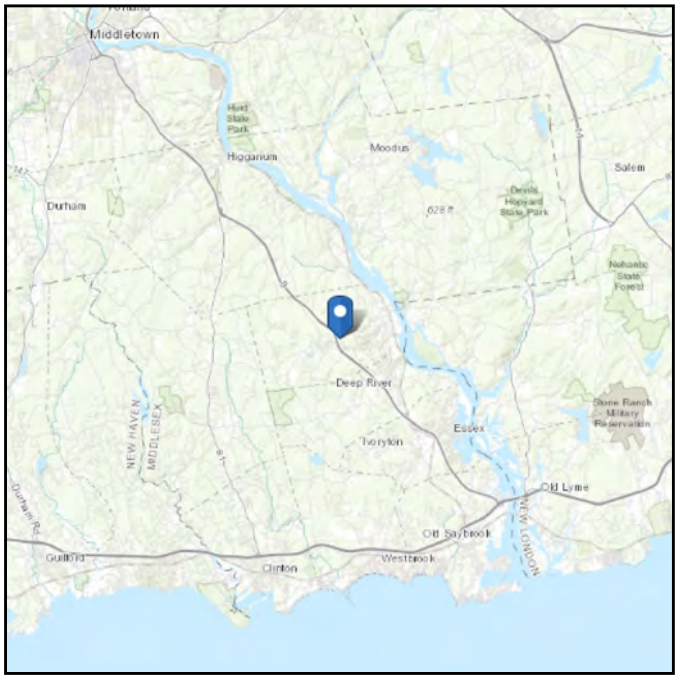
Version 3.3.0

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 356.21 ft (NAVD 88)
Latitude: 41.403869
Longitude: -72.47245



Wind

Results:

Wind Speed:	129 Vmph
10-year MRI	78 Vmph
25-year MRI	88 Vmph
50-year MRI	96 Vmph
100-year MRI	105 Vmph
Data Source:	ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1–CC-4, incorporating errata of March 12, 2014
Date Accessed:	Thu Oct 31 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.

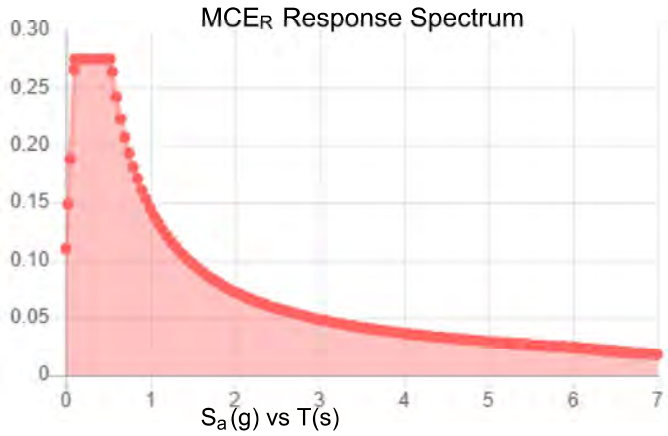
Seismic

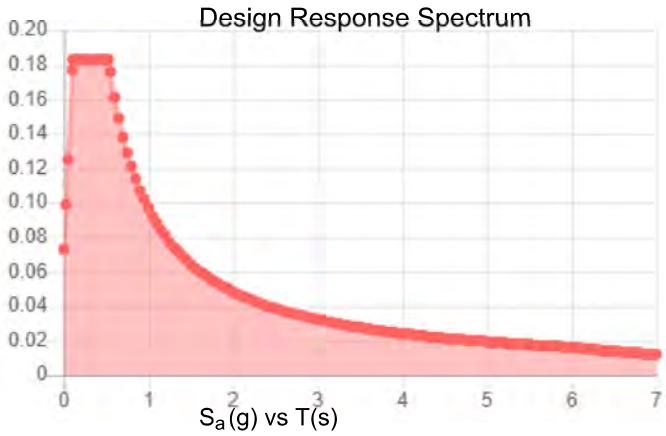
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.172	S_{DS} :	0.183
S_1 :	0.06	S_{D1} :	0.097
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.087
S_{MS} :	0.275	PGA_M :	0.139
S_{M1} :	0.145	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Thu Oct 31 2019

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

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Thu Oct 31 2019

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

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

Exhibit E

Mount Analysis

October 29, 2019

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Crown Castle
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Charlotte, NC 28277
(704) 405-6619

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

Subject:	**Mount Analysis**	
Carrier Designation:	***Verizon Wireless* Reconfiguration**	
	Client Site Number:	NG3657
	Client Site Name:	CHESTER CT
Crown Castle Designation:	**Crown Castle BU Number:**	800515
	Crown Castle Site Name:	CT CHESTER CAC 800515
	Crown Castle JDE Job Number:	592761
	Crown Castle Order Number:	506819 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25608.317428
Site Data:	**49 Wig Hill Road, Chester, Middlesex County, CT 06412**	
	Latitude *41° 24' 13.93"*, Longitude -*72° 28' 20.82"*	
Structure Information:	**Tower Height & Type:**	150.0± ft Monopole
	Mount Elevation:	139.0 ft
	Mount Width & Type:	10.6 ft Platform w/ Handrail

Dear Kevin Morrow,

Tower Engineering Professionals is pleased to submit this **"Mount Analysis"** to determine the structural integrity of Verizon Wireless's antenna mounting system with proposed appurtenance and equipment addition on the above mentioned supporting tower structure. Analysis of the existing supporting tower structure is to be completed by others and therefore is not part of this analysis. Analysis of the antenna mounting system as a tie-off point for fall protection or rigging is not part of this document.

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

Platform w/ Handrail Mount **Sufficient Capacity**

This analysis utilizes an ultimate 3-second gust wind speed of 130 mph from the 2018 Connecticut State Building Code (2015 IBC) Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Taylor C. Sears / HBC

Respectfully submitted by:

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

STATE OF CONNECTICUT
AARON THOMAS RUCKER
32608
LICENSED
PROFESSIONAL ENGINEER

Electronic Copy

10/29/2019

TABLE OF CONTENTS

1) INTRODUCTION

The mount is an existing 10.6-ft Platform w/ Handrail mount.

2) ANALYSIS CRITERIA

Building Code:	2018 Connecticut State Building Code
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	130 mph
Exposure Category:	B
Topographic Category at Base:	1.0
Topographic Category at Mount:	1.0
Ice Thickness:	1.50 in
Wind Speed with Ice:	50 mph
Seismic Design Category:	B
Seismic S_s:	0.172
Seismic S_1:	0.06
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
139.0	142.0	6	Antel	LPA-80080-4CF-EDIN-0	Platform w/ Handrail Mount
		6	JMA Wireless	MX06FRO660-03	
		3	Samsung Telecommunications	RFV01U-D2A	
		3	Samsung Telecommunications	RFV01U-D1A	
		1	RFS/Celwave	DB-B1-6C-12AB-0Z	

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Loading Application	Verizon Wireless	Order 506819 Rev. 0	CCIsites

3.1) Analysis Method

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

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

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

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

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

Notes	Component	Critical Member	Mount Centerline (ft)	% Capacity	Pass / Fail
1	Face Horizontals	SF2-H2	139.0	48.1	Pass
1	Handrail	FF-HR	139.0	60.5	Pass
1	Handrail Bracing	HR-D3	139.0	31.1	Pass
1	Grating Support	GSI1	139.0	61.3	Pass
1	Mount Pipes	MP-4	139.0	35.8	Pass
2	Connection Bolts	-	139.0	12.6	Pass

Structure Rating (max from all components) =	60.5%

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

Table 4 - Tieback Connection Data Table

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

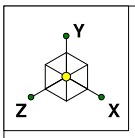
Notes:
1) Tieback connection point is within 25% of either end of the connected tower member.
2) Tower connection point is NOT within 25% of either end of the connected tower member.
3) Reduced member compressive capacity according to CED-STD-10294 *Standard for Installation of Mounts and Appurtenances.*

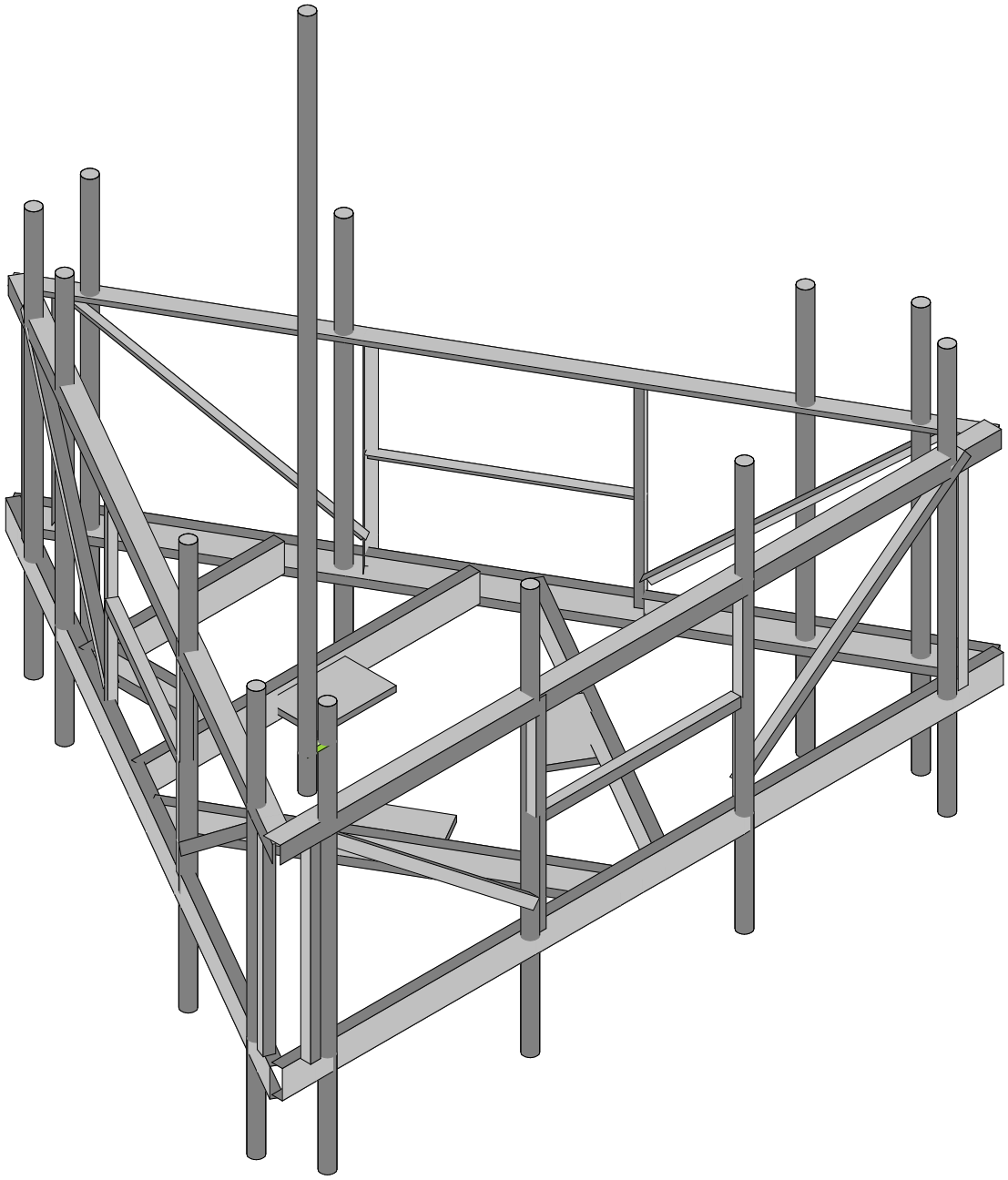
4.1) Recommendations

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

APPENDIX A

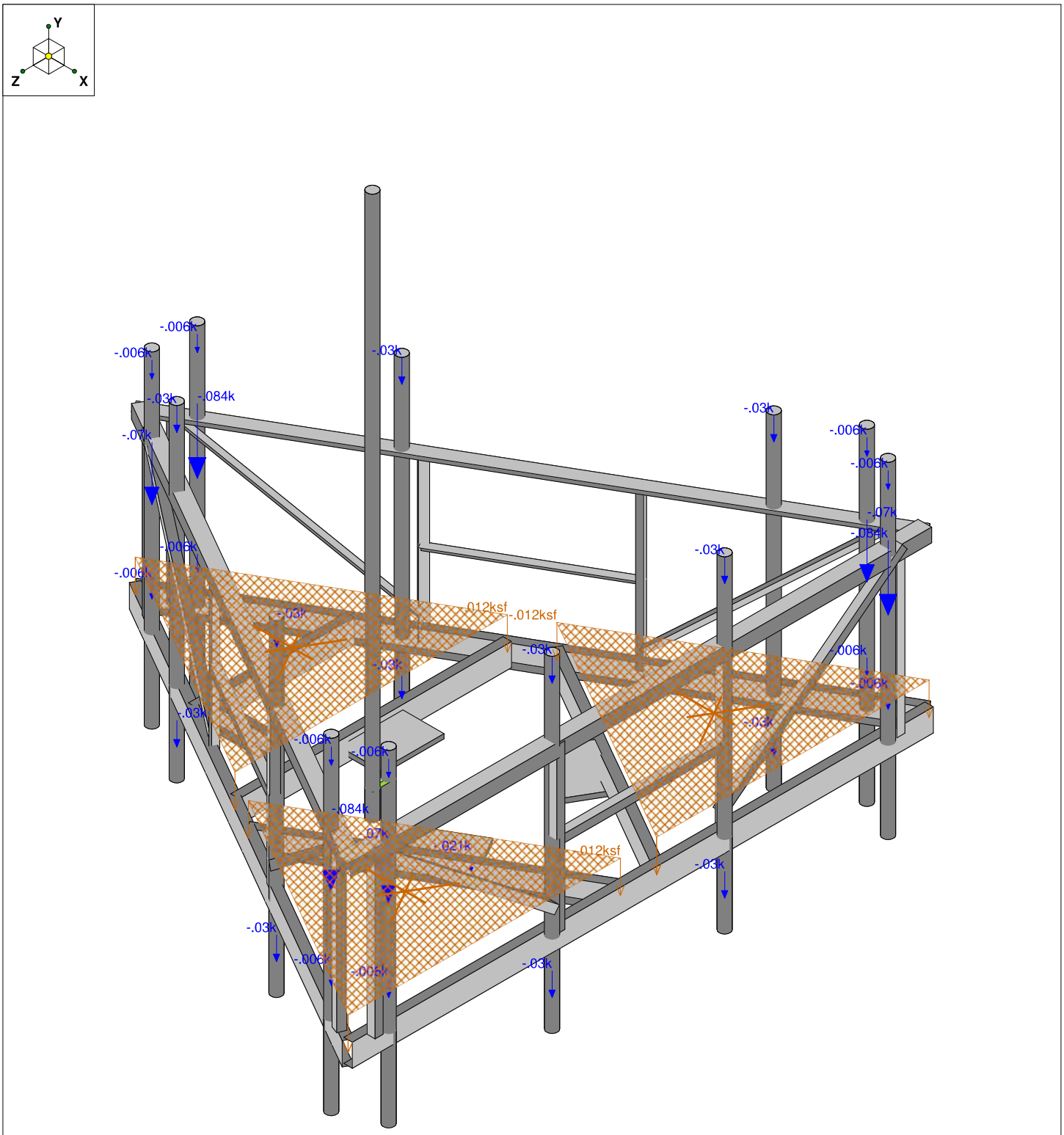
WIRE FRAME AND RENDERED MODELS





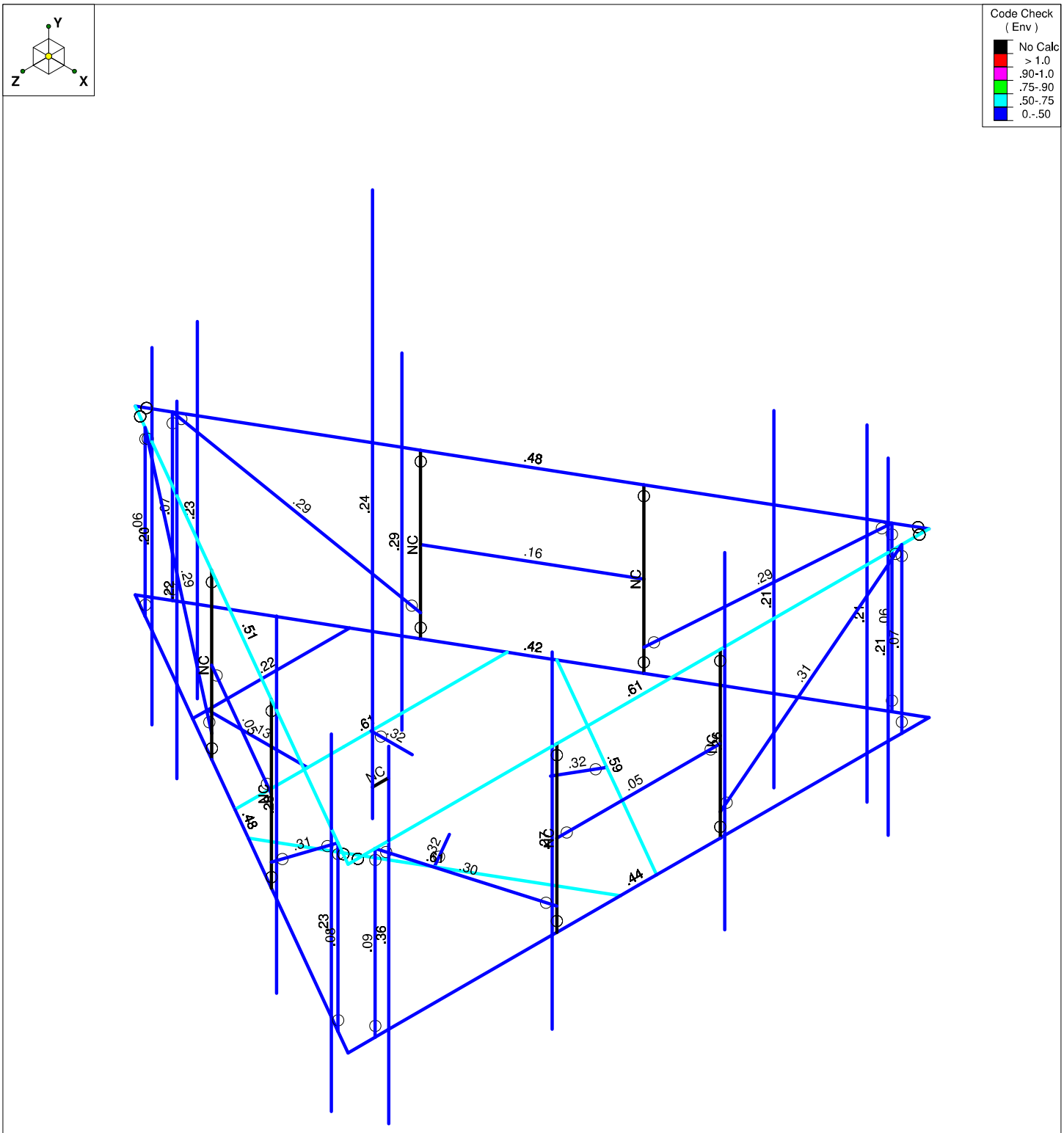
Envelope Only Solution

Tower Engineering Profes...	BU# 800515 - CT CHESTER CAC 800515	SK - 1
TCS		Oct 29, 2019 at 10:05 AM
TEP No. 25608.317428		Mount Rev H.r3d



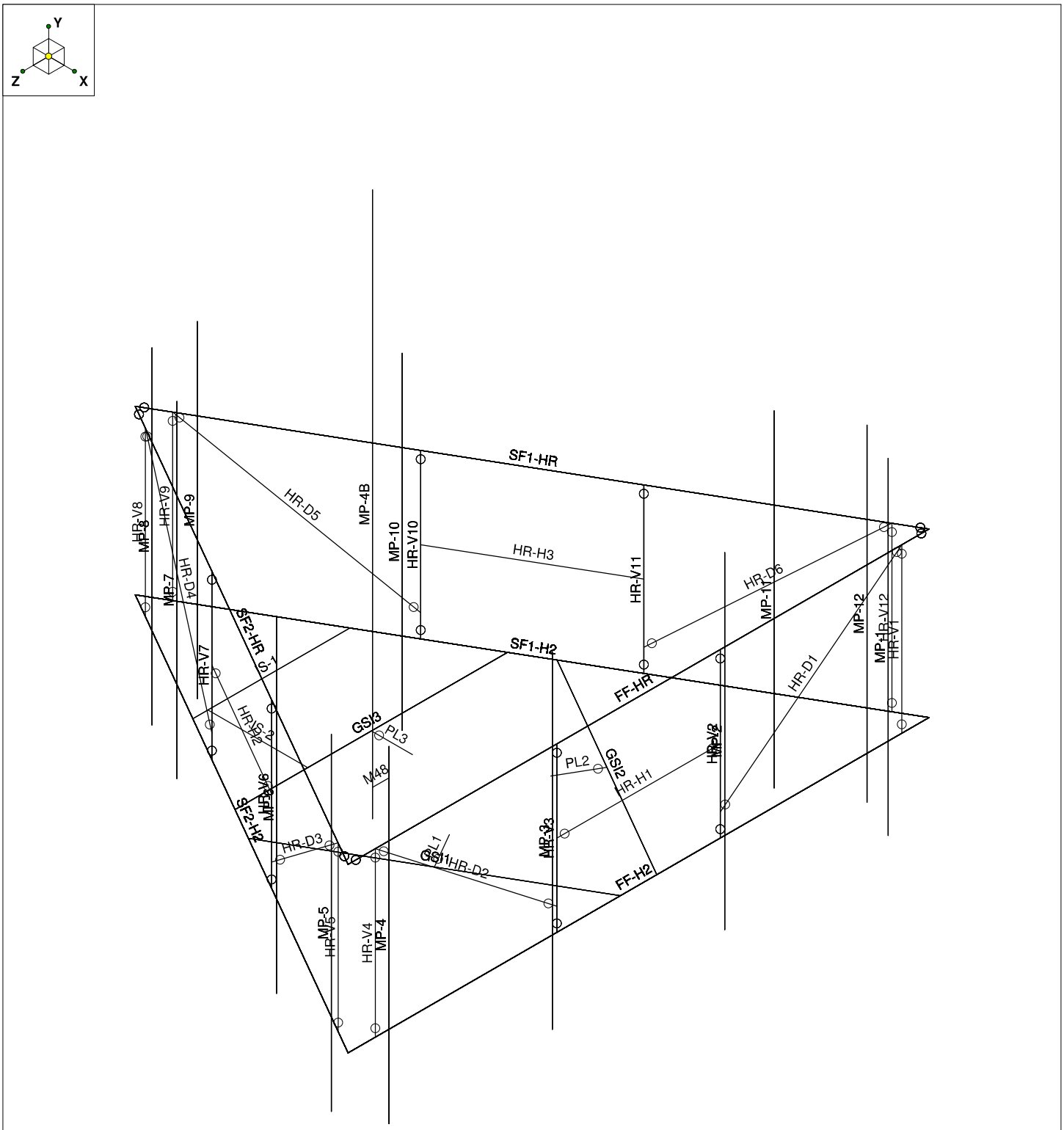
Loads: BLC 1, Dead
Envelope Only Solution

Tower Engineering Profes...	BU# 800515 - CT CHESTER CAC 800515	SK - 2
TCS		Oct 29, 2019 at 10:05 AM
TEP No. 25608.317428		Mount Rev H.r3d



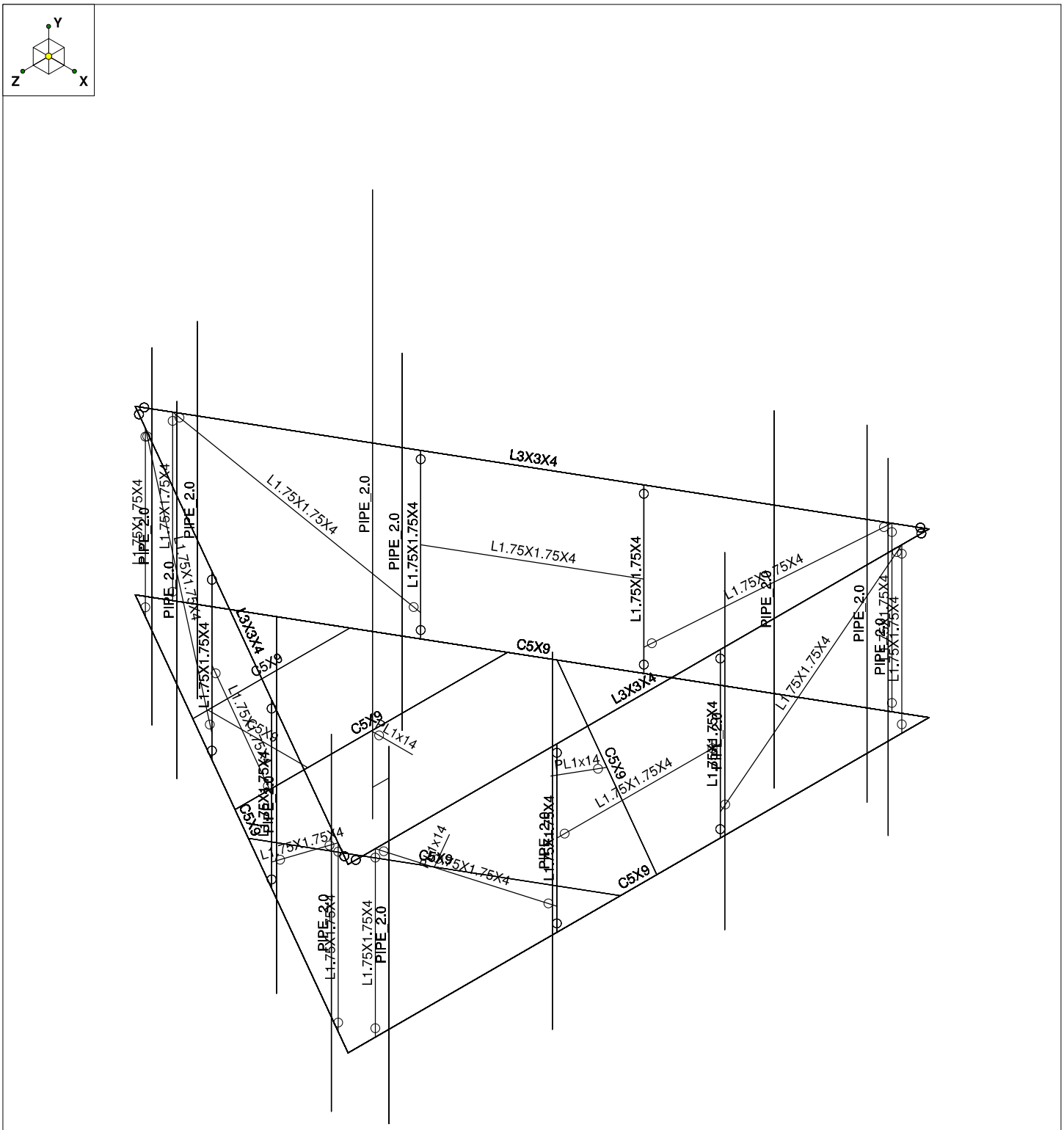
Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Tower Engineering Profes...	BU# 800515 - CT CHESTER CAC 800515	SK - 1
TCS		Oct 29, 2019 at 10:53 AM
TEP No. 25608.317428		Mount Rev H.r3d



Envelope Only Solution

Tower Engineering Profes...	BU# 800515 - CT CHESTER CAC 800515	SK - 4
TCS		Oct 29, 2019 at 10:05 AM
TEP No. 25608.317428		Mount Rev H.r3d



Envelope Only Solution

Tower Engineering Profes...	BU# 800515 - CT CHESTER CAC 800515	SK - 5
TCS		Oct 29, 2019 at 10:06 AM
TEP No. 25608.317428		Mount Rev H.r3d

APPENDIX B

SOFTWARE INPUT CALCULATIONS

TOWER ENGINEERING PROFESSIONALS

BU# 800515 - CT CHESTER CAC 800515

TEP No.	25608.317428	
Analysis By:	TCS	10/29/2019
Checked By:	HBC	10/29/2019

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

Wind Inputs:

Ult. Wind Velocity:	130.0	mph
Live Load Velocity:	30.0	mph
Ice Wind Velocity:	50.0	mph
Base Ice Thickness:	1.50	inches
Mount Centerline:	139.0	ft
Antenna Centerline:	142.0	ft
Exposure Category:	B	
Topo Category:	1	
Risk Category:	II	
Ground Elevation:	382	ft

Wind Calculations:

K_{zt}:	1.000	Section 2.6.6
K_d:	0.950	
$K_{z\text{-Mount}}$:	1.086	Section 2.6.5.2
$K_{z\text{-Antenna}}$:	1.092	Section 2.6.5.2
K_{iz}:	1.156	Section 2.6.10
Ice Thickness:	1.734	inches - Section 2.6.10

Without Ice - (psf)		With Ice - (psf)	
$(q_zG_h)_{Mount}$:	44.01	$(q_zG_h)_{Mount}$:	6.51
$(q_zG_h)_{Antenna}$:	44.28	$(q_zG_h)_{Antenna}$:	6.55

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

Seismic Input

S_{DS}:	0.183	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:	0.060	Short Period Spectral Accel.

Seismic Design Force

Cs:	0.092	kips/kip	TIA-H Sec 2.7.7.1.1
Cs-min:	0.030	kips/kip	TIA-H Sec 2.7.7.1.1

TOWER ENGINEERING PROFESSIONALS

BU# 800515 - CT CHESTER CAC 800515

TEP No.	25608.317428	
Analysis By:	TCS	10/29/2019
Checked By:	HBC	10/29/2019

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

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

										Distance from start node of the member		
MFR	Model	Height (in)	Width (in)	Depth (in)	Wt. (lbs)	Azimuth°	Qty	Shape	Member Label	Location #1 (ft,%)	Location #2 (ft,%)	Location #3 (ft,%)
ANTEL	LPA-80080-4CF-EDIN-0	47.20	5.50	13.20	12.00	0.00	1	Flat	MP-1	0.50	4.00	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	15.00	10.00	84.40	0.00	1	Flat	MP-1	2.50		
JMA WIRELESS	MX06FRO660-03	71.30	15.40	10.70	60.00	0.00	1	Flat	MP-2	0.50	5.50	
JMA WIRELESS	MX06FRO660-03	71.30	15.40	10.70	60.00	0.00	1	Flat	MP-3	0.50	5.50	
ANTEL	LPA-80080-4CF-EDIN-0	47.20	5.50	13.20	12.00	0.00	1	Flat	MP-4	0.50	4.00	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	15.00	8.10	70.30	0.00	1	Flat	MP-4	2.50		
ANTEL	LPA-80080-4CF-EDIN-0	47.20	5.50	13.20	12.00	120.00	1	Flat	MP-5	0.50	4.00	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	15.00	10.00	84.40	120.00	1	Flat	MP-5	2.50		
JMA WIRELESS	MX06FRO660-03	71.30	15.40	10.70	60.00	120.00	1	Flat	MP-6	0.50	5.50	
JMA WIRELESS	MX06FRO660-03	71.30	15.40	10.70	60.00	120.00	1	Flat	MP-7	0.50	5.50	
ANTEL	LPA-80080-4CF-EDIN-0	47.20	5.50	13.20	12.00	120.00	1	Flat	MP-8	0.50	4.00	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	15.00	8.10	70.30	120.00	1	Flat	MP-8	2.50		
ANTEL	LPA-80080-4CF-EDIN-0	47.20	5.50	13.20	12.00	240.00	1	Flat	MP-9	0.50	4.00	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D1A	15.00	15.00	10.00	84.40	240.00	1	Flat	MP-9	2.50		
JMA WIRELESS	MX06FRO660-03	71.30	15.40	10.70	60.00	240.00	1	Flat	MP-10	0.50	5.50	
JMA WIRELESS	MX06FRO660-03	71.30	15.40	10.70	60.00	240.00	1	Flat	MP-11	0.50	5.50	
ANTEL	LPA-80080-4CF-EDIN-0	47.20	5.50	13.20	12.00	240.00	1	Flat	MP-12	0.50	4.00	
SAMSUNG TELECOMMUNICATIONS	RFV01U-D2A	15.00	15.00	8.10	70.30	240.00	1	Flat	MP-12	2.50		
RFS/CELWAVE	DB-B1-6C-12AB-0Z	25.66	15.73	10.25	21.40	0.00	1	Flat	GSI1	2.00		

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

Member Name	Wind Proj. (in)	Length (in)	Shape	θ (°)	Perimeter (in)
FF-H2	5.000	128.00	Flat	90.00	17.60
GSI1	5.000	60.00	Flat	30.00	17.60
GSI2	5.000	60.00	Flat	-30.00	17.60
GSI3	5.000	60.00	Flat	90.00	17.60
IS-1	5.000	34.60	Flat	90.00	17.60
IS-2	5.000	22.00	Flat	0.00	17.60
PL1	1.000	9.07	Flat	-60.00	4.00
PL2	1.000	9.07	Flat	60.00	4.00
PL3	1.000	9.07	Flat	0.00	4.00
SF1-H2	5.000	128.00	Flat	30.00	17.60
SF2-H2	5.000	128.00	Flat	-30.00	17.60
FF-HR	3.000	128.00	Flat	90.00	12.00
SF1-HR	3.000	128.00	Flat	30.00	12.00
SF2-HR	3.000	128.00	Flat	-30.00	12.00
HR-V2	1.750	36.00	Flat		7.00
HR-V3	1.750	36.00	Flat		7.00
HR-H1	1.750	36.00	Flat	90.00	7.00
HR-D1	1.750	50.61	Flat		7.00
HR-D2	1.750	50.61	Flat		7.00
HR-V10	1.750	36.00	Flat		7.00
HR-V11	1.750	36.00	Flat		7.00
HR-H3	1.750	36.00	Flat	30.00	7.00
HR-D5	1.750	50.61	Flat		7.00
HR-D6	1.750	50.61	Flat		7.00
HR-V6	1.750	36.00	Flat		7.00
HR-V7	1.750	36.00	Flat		7.00
HR-H2	1.750	36.00	Flat	-30.00	7.00
HR-D3	1.750	50.61	Flat		7.00
HR-D4	1.750	50.61	Flat		7.00
HR-V1	1.750	36.00	Flat		7.00
HR-V4	1.750	36.00	Flat		7.00
HR-V9	1.750	36.00	Flat		7.00
HR-V12	1.750	36.00	Flat		7.00
HR-V5	1.750	36.00	Flat		7.00
HR-V8	1.750	36.00	Flat		7.00
MP-1	2.375	72.00	Round		7.46
MP-2	2.375	72.00	Round		7.46
MP-3	2.375	72.00	Round		7.46

MP-4	2.375	72.00	Round		7.46
MP-9	2.375	72.00	Round		7.46
MP-10	2.375	72.00	Round		7.46
MP-11	2.375	72.00	Round		7.46
MP-12	2.375	72.00	Round		7.46
MP-5	2.375	72.00	Round		7.46
MP-6	2.375	72.00	Round		7.46
MP-7	2.375	72.00	Round		7.46
MP-8	2.375	72.00	Round		7.46
MP-4B	2.375	120.00	Round		7.46

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	AISI S100-16: LRFD
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 : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

Oct 29, 2019
10:53 AM
Checked By: HBC

(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 Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Internal Bracing	C5X9	None	None	A36 Gr.36	Typical	2.64	.624	8.89	.109
2	Face Horizontal	C5X9	None	None	A36 Gr.36	Typical	2.64	.624	8.89	.109
3	Connection Plate	PL1x14	None	None	A36 Gr.36	Typical	14	1.167	228.667	4.457
4	Mount Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
5	Handrail	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
6	Handrail Bracing	L1.75X1.75X4	None	None	A36 Gr.36	Typical	.813	.227	.227	.018

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Ru...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	CF1A	P1000 Unistrut	Beam	None	A570	Typical	.554	.19	.21	.002

Material Takeoff

	Material	Size	Pieces	Length[ft]	Weight[K]
1	General				
2	RIGID		1	.3	0
3	Total General		1	.3	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	C5X9	8	51.7	.5
7	A36 Gr.36	L1.75X1.75X4	21	70.3	.2
8	A36 Gr.36	L3X3X4	3	32	.2
9	A36 Gr.36	PL1x14	3	2.3	.1
10	A53 Gr.B	PIPE_2.0	13	82	.3
11	Total HR Steel		48	238.3	1.2

Joint Boundary Conditions

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design Rules
1	FF-H2	FF2	FF4			Face Horizontal	None	None	A36 Gr.36	Typical
2	GSI1	GSI1	GSI4		180	Internal Bracing	None	None	A36 Gr.36	Typical
3	GSI2	GSI2	GSI5			Internal Bracing	None	None	A36 Gr.36	Typical
4	GSI3	GSI3	GSI6		180	Internal Bracing	None	None	A36 Gr.36	Typical
5	IS-1	N69	N70		180	Internal Bracing	None	None	A36 Gr.36	Typical
6	IS-2	N71	N73A		180	Internal Bracing	None	None	A36 Gr.36	Typical
7	PL1	SA1	N40		90	Connection Plate	None	None	A36 Gr.36	Typical
8	PL2	SA2	N41		90	Connection Plate	None	None	A36 Gr.36	Typical
9	PL3	SA3	N42		90	Connection Plate	None	None	A36 Gr.36	Typical
10	SF1-H2	SF1-2	FF2			Face Horizontal	None	None	A36 Gr.36	Typical
11	SF2-H2	FF4	SF1-2			Face Horizontal	None	None	A36 Gr.36	Typical
12	FF-HR	N62	N63A		90	Handrail	None	None	A36 Gr.36	Typical
13	SF1-HR	N64A	N62		90	Handrail	None	None	A36 Gr.36	Typical
14	SF2-HR	N63A	N64A		90	Handrail	None	None	A36 Gr.36	Typical
15	HR-V2	N45	N43		270	Handrail Bracing	None	None	A36 Gr.36	Typical
16	HR-V3	N46	N44A			Handrail Bracing	None	None	A36 Gr.36	Typical
17	HR-H1	N49B	N50A		90	Handrail Bracing	None	None	A36 Gr.36	Typical
18	HR-D1	N61A	N47		90	Handrail Bracing	None	None	A36 Gr.36	Typical
19	HR-D2	N59A	N48		180	Handrail Bracing	None	None	A36 Gr.36	Typical
20	HR-V10	N55	N53A		140	Handrail Bracing	None	None	A36 Gr.36	Typical
21	HR-V11	N56	N54A		240	Handrail Bracing	None	None	A36 Gr.36	Typical
22	HR-H3	N59	N60		90	Handrail Bracing	None	None	A36 Gr.36	Typical
23	HR-D5	N63B	N57A		90	Handrail Bracing	None	None	A36 Gr.36	Typical
24	HR-D6	N62A	N58		180	Handrail Bracing	None	None	A36 Gr.36	Typical
25	HR-V6	N65	N63		30	Handrail Bracing	None	None	A36 Gr.36	Typical
26	HR-V7	N66	N64		120	Handrail Bracing	None	None	A36 Gr.36	Typical
27	HR-H2	N69B	N70A		90	Handrail Bracing	None	None	A36 Gr.36	Typical
28	HR-D3	N65A	N67		90	Handrail Bracing	None	None	A36 Gr.36	Typical
29	HR-D4	N64B	N68		180	Handrail Bracing	None	None	A36 Gr.36	Typical
30	HR-V1	N61A	N60A		270	Handrail Bracing	None	None	A36 Gr.36	Typical
31	HR-V4	N59A	N58A			Handrail Bracing	None	None	A36 Gr.36	Typical
32	HR-V9	N63B	N68A		160	Handrail Bracing	None	None	A36 Gr.36	Typical
33	HR-V12	N62A	N66A		230	Handrail Bracing	None	None	A36 Gr.36	Typical
34	HR-V5	N65A	N72A		20	Handrail Bracing	None	None	A36 Gr.36	Typical
35	HR-V8	N64B	N70B		120	Handrail Bracing	None	None	A36 Gr.36	Typical
36	MP-1	N78	N82			Mount Pipe	None	None	A53 Gr.B	Typical
37	MP-2	N81	N85			Mount Pipe	None	None	A53 Gr.B	Typical
38	MP-3	N123A	N124A			Mount Pipe	None	None	A53 Gr.B	Typical
39	MP-4	N123	N124			Mount Pipe	None	None	A53 Gr.B	Typical
40	MP-9	N86	N90			Mount Pipe	None	None	A53 Gr.B	Typical
41	MP-10	N89	N93			Mount Pipe	None	None	A53 Gr.B	Typical
42	MP-11	N104	N105			Mount Pipe	None	None	A53 Gr.B	Typical
43	MP-12	N87	N91			Mount Pipe	None	None	A53 Gr.B	Typical
44	MP-5	N94	N98			Mount Pipe	None	None	A53 Gr.B	Typical
45	MP-6	N97	N101			Mount Pipe	None	None	A53 Gr.B	Typical
46	MP-7	N108	N109			Mount Pipe	None	None	A53 Gr.B	Typical
47	MP-8	N95	N99			Mount Pipe	None	None	A53 Gr.B	Typical
48	M48	N117	N118			RIGID	None	None	RIGID	Typical

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design Rules
49	MP-4B	N120	N119			Mount Pipe	None	None	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	FF-H2						Yes	** NA **			None
2	GSI1						Yes	** NA **			None
3	GSI2						Yes	** NA **			None
4	GSI3						Yes	** NA **			None
5	IS-1						Yes	** NA **			None
6	IS-2						Yes	** NA **			None
7	PL1		OOOOOO				Yes	** NA **			None
8	PL2		OOOOOO				Yes	** NA **			None
9	PL3		OOOOOO				Yes	** NA **			None
10	SF1-H2						Yes	** NA **			None
11	SF2-H2						Yes	** NA **			None
12	FF-HR	BenPIN	BenPIN				Yes	** NA **			None
13	SF1-HR	BenPIN	BenPIN				Yes	** NA **			None
14	SF2-HR	BenPIN	BenPIN				Yes	** NA **			None
15	HR-V2	BenPIN	BenPIN				Yes	** NA **		Exclude	None
16	HR-V3	BenPIN	BenPIN				Yes	** NA **		Exclude	None
17	HR-H1	BenPIN	BenPIN				Yes	** NA **			None
18	HR-D1	BenPIN	BenPIN				Yes	** NA **			None
19	HR-D2	BenPIN	BenPIN				Yes	** NA **			None
20	HR-V10	BenPIN	BenPIN				Yes	** NA **		Exclude	None
21	HR-V11	BenPIN	BenPIN				Yes	** NA **		Exclude	None
22	HR-H3						Yes	** NA **			None
23	HR-D5	BenPIN	BenPIN				Yes	** NA **			None
24	HR-D6	BenPIN	BenPIN				Yes	** NA **			None
25	HR-V6	BenPIN	BenPIN				Yes	** NA **		Exclude	None
26	HR-V7	BenPIN	BenPIN				Yes	** NA **		Exclude	None
27	HR-H2	BenPIN	BenPIN				Yes	** NA **			None
28	HR-D3	BenPIN	BenPIN				Yes	** NA **			None
29	HR-D4	BenPIN	BenPIN				Yes	** NA **			None
30	HR-V1	BenPIN	BenPIN				Yes	** NA **			None
31	HR-V4	BenPIN	BenPIN				Yes	** NA **			None
32	HR-V9	BenPIN	BenPIN				Yes	** NA **			None
33	HR-V12	BenPIN	BenPIN				Yes	** NA **			None
34	HR-V5	BenPIN	BenPIN				Yes	** NA **			None
35	HR-V8	BenPIN	BenPIN				Yes	** NA **			None
36	MP-1						Yes	** NA **			None
37	MP-2						Yes	** NA **			None
38	MP-3						Yes	** NA **			None
39	MP-4						Yes	** NA **			None
40	MP-9						Yes	** NA **			None
41	MP-10						Yes	** NA **			None
42	MP-11						Yes	** NA **			None
43	MP-12						Yes	** NA **			None
44	MP-5						Yes	** NA **			None
45	MP-6						Yes	** NA **			None
46	MP-7						Yes	** NA **			None
47	MP-8						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	MP-4B						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length...	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Funct...
1	FF-H2	Face Horizontal	10.667	3.833	3.833				.65	.65		Lateral
2	GSI1	Internal Bracing	5	2.5	2.5				.65	.65		Lateral
3	GSI2	Internal Bracing	5	2.5	2.5				.65	.65		Lateral
4	GSI3	Internal Bracing	5	2.5	2.5				.65	.65		Lateral
5	IS-1	Internal Bracing	2.883						.65	.65		Lateral
6	IS-2	Internal Bracing	1.833						.65	.65		Lateral
7	PL1	Connection Plate	.755						.8	.65		Lateral
8	PL2	Connection Plate	.755						.8	.65		Lateral
9	PL3	Connection Plate	.755						.8	.65		Lateral
10	SF1-H2	Face Horizontal	10.667	3.833	3.833				.65	.65		Lateral
11	SF2-H2	Face Horizontal	10.667	3.833	3.833				.65	.65		Lateral
12	FF-HR	Handrail	10.667	3.833					1	1		Lateral
13	SF1-HR	Handrail	10.667	3.833					1	1		Lateral
14	SF2-HR	Handrail	10.667	3.833					1	1		Lateral
15	HR-V2	Handrail Bracing	3	1.5					1	1		Lateral
16	HR-V3	Handrail Bracing	3		1.5				1	1		Lateral
17	HR-H1	Handrail Bracing	3						.65	.65		Lateral
18	HR-D1	Handrail Bracing	4.217						1	1		Lateral
19	HR-D2	Handrail Bracing	4.217						1	1		Lateral
20	HR-V10	Handrail Bracing	3	1.5					1	1		Lateral
21	HR-V11	Handrail Bracing	3		1.5				1	1		Lateral
22	HR-H3	Handrail Bracing	3						.65	.65		Lateral
23	HR-D5	Handrail Bracing	4.217						1	1		Lateral
24	HR-D6	Handrail Bracing	4.217						1	1		Lateral
25	HR-V6	Handrail Bracing	3	1.5					1	1		Lateral
26	HR-V7	Handrail Bracing	3		1.5				1	1		Lateral
27	HR-H2	Handrail Bracing	3						.65	.65		Lateral
28	HR-D3	Handrail Bracing	4.217						1	1		Lateral
29	HR-D4	Handrail Bracing	4.217						1	1		Lateral
30	HR-V1	Handrail Bracing	3						1	1		Lateral
31	HR-V4	Handrail Bracing	3						1	1		Lateral
32	HR-V9	Handrail Bracing	3						1	1		Lateral
33	HR-V12	Handrail Bracing	3						1	1		Lateral
34	HR-V5	Handrail Bracing	3						1	1		Lateral
35	HR-V8	Handrail Bracing	3						1	1		Lateral
36	MP-1	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
37	MP-2	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
38	MP-3	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
39	MP-4	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
40	MP-9	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
41	MP-10	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
42	MP-11	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
43	MP-12	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
44	MP-5	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
45	MP-6	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
46	MP-7	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
47	MP-8	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
48	MP-4B	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral

Cold Formed Steel Design Parameters

Label	Shape	Length...	Lbyy[ft]	Lbzz[ft]	Lcomp to...	Lcomp bo...	L-torque[ft]	Kyy	Kzz	Cb	R	a[ft]	Funct...
No Data to Print ...													

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead	None		-1			31		3	
2	0 Wind - No Ice	None					31	48		
3	30 Wind - No Ice	None					62	96		
4	45 Wind - No Ice	None					62	96		
5	60 Wind - No Ice	None					62	96		
6	90 Wind - No Ice	None					31	48		
7	120 Wind - No Ice	None					62	96		
8	135 Wind - No Ice	None					62	96		
9	150 Wind - No Ice	None					62	96		
10	180 Wind - No Ice	None					31	48		
11	210 Wind - No Ice	None					62	96		
12	225 Wind - No Ice	None					62	96		
13	240 Wind - No Ice	None					62	96		
14	270 Wind - No Ice	None					31	48		
15	300 Wind - No Ice	None					62	96		
16	315 Wind - No Ice	None					62	96		
17	330 Wind - No Ice	None					62	96		
18	Ice Weight	None					31	48	3	
19	0 Wind - Ice	None					31	48		
20	30 Wind - Ice	None					62	96		
21	45 Wind - Ice	None					62	96		
22	60 Wind - Ice	None					62	96		
23	90 Wind - Ice	None					31	48		
24	120 Wind - Ice	None					62	96		
25	135 Wind - Ice	None					62	96		
26	150 Wind - Ice	None					62	96		
27	180 Wind - Ice	None					31	48		
28	210 Wind - Ice	None					62	96		
29	225 Wind - Ice	None					62	96		
30	240 Wind - Ice	None					62	96		
31	270 Wind - Ice	None					31	48		
32	300 Wind - Ice	None					62	96		
33	315 Wind - Ice	None					62	96		
34	330 Wind - Ice	None					62	96		
35	Lm	None				1				
36	Lv	None				1				
37	Seismic Load X	ELX	-1				31			
38	Seismic Load Z	ELZ			-1		31			
39	BLC 1 Transient Area...	None						67		
40	BLC 18 Transient Are...	None						67		

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...
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-Wi...	Yes	Y		1	.9	3	1																
4	0.9D+1.0 45-Wi...	Yes	Y		1	.9	4	1																
5	0.9D+1.0 60-Wi...	Yes	Y		1	.9	5	1																
6	0.9D+1.0 90-Wi...	Yes	Y		1	.9	6	1																
7	0.9D+1.0 120-...	Yes	Y		1	.9	7	1																
8	0.9D+1.0 135-...	Yes	Y		1	.9	8	1																
9	0.9D+1.0 150-...	Yes	Y		1	.9	9	1																
10	0.9D+1.0 180-...	Yes	Y		1	.9	10	1																
11	0.9D+1.0 210-...	Yes	Y		1	.9	11	1																

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...	BLC	Fac...
12	0.9D+1.0 225-...	Yes	Y		1	.9	12	1																		
13	0.9D+1.0 240-...	Yes	Y		1	.9	13	1																		
14	0.9D+1.0 270-...	Yes	Y		1	.9	14	1																		
15	0.9D+1.0 300-...	Yes	Y		1	.9	15	1																		
16	0.9D+1.0 315-...	Yes	Y		1	.9	16	1																		
17	0.9D+1.0 330-...	Yes	Y		1	.9	17	1																		
18	1.2D+1.0 0-Wind	Yes	Y		1	1.2	2	1																		
19	1.2D+1.0 30-Wi...	Yes	Y		1	1.2	3	1																		
20	1.2D+1.0 45-Wi...	Yes	Y		1	1.2	4	1																		
21	1.2D+1.0 60-Wi...	Yes	Y		1	1.2	5	1																		
22	1.2D+1.0 90-Wi...	Yes	Y		1	1.2	6	1																		
23	1.2D+1.0 120-...	Yes	Y		1	1.2	7	1																		
24	1.2D+1.0 135-...	Yes	Y		1	1.2	8	1																		
25	1.2D+1.0 150-...	Yes	Y		1	1.2	9	1																		
26	1.2D+1.0 180-...	Yes	Y		1	1.2	10	1																		
27	1.2D+1.0 210-...	Yes	Y		1	1.2	11	1																		
28	1.2D+1.0 225-...	Yes	Y		1	1.2	12	1																		
29	1.2D+1.0 240-...	Yes	Y		1	1.2	13	1																		
30	1.2D+1.0 270-...	Yes	Y		1	1.2	14	1																		
31	1.2D+1.0 300-...	Yes	Y		1	1.2	15	1																		
32	1.2D+1.0 315-...	Yes	Y		1	1.2	16	1																		
33	1.2D+1.0 330-...	Yes	Y		1	1.2	17	1																		
34	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	19	1																
35	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	20	1																
36	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	21	1																
37	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	22	1																
38	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	23	1																
39	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	24	1																
40	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	25	1																
41	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	26	1																
42	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	27	1																
43	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	28	1																
44	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	29	1																
45	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	30	1																
46	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	31	1																
47	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	32	1																
48	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	33	1																
49	1.2D+1.0Di+1.0 ...	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....	Yes	Y		1	1.2	2	.053	35	1.5																
52	1.2D+1.5Lm+1....	Yes	Y		1	1.2	3	.053	35	1.5																
53	1.2D+1.5Lm+1....	Yes	Y		1	1.2	4	.053	35	1.5																
54	1.2D+1.5Lm+1....	Yes	Y		1	1.2	5	.053	35	1.5																
55	1.2D+1.5Lm+1....	Yes	Y		1	1.2	6	.053	35	1.5																
56	1.2D+1.5Lm+1....	Yes	Y		1	1.2	7	.053	35	1.5																
57	1.2D+1.5Lm+1....	Yes	Y		1	1.2	8	.053	35	1.5																
58	1.2D+1.5Lm+1....	Yes	Y		1	1.2	9	.053	35	1.5																
59	1.2D+1.5Lm+1....	Yes	Y		1	1.2	10	.053	35	1.5																
60	1.2D+1.5Lm+1....	Yes	Y		1	1.2	11	.053	35	1.5																
61	1.2D+1.5Lm+1....	Yes	Y		1	1.2	12	.053	35	1.5																
62	1.2D+1.5Lm+1....	Yes	Y		1	1.2	13	.053	35	1.5																
63	1.2D+1.5Lm+1....	Yes	Y		1	1.2	14	.053	35	1.5																
64	1.2D+1.5Lm+1....	Yes	Y		1	1.2	15	.053	35	1.5																
65	1.2D+1.5Lm+1....	Yes	Y		1	1.2	16	.053	35	1.5																
66	1.2D+1.5Lm+1....	Yes	Y		1	1.2	17	.053	35	1.5																
67	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	.091	0																	
68	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	.079	ELZ	.046																

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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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...	BLC	Fac...
69	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	.065	ELZ	.065																
70	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	.046	ELZ	.079																
71	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	0		ELZ	.091																
72	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	-.046	ELZ	.079																
73	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	-.065	ELZ	.065																
74	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	-.079	ELZ	.046																
75	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	-.091	0																	
76	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	-.079	ELZ	-.046																
77	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	-.065	ELZ	-.065																
78	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	-.046	ELZ	-.079																
79	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	0		ELZ	-.091																
80	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	.046	ELZ	-.079																
81	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	.065	ELZ	-.065																
82	(1.2+0.2Sds)D+...	Yes	Y		1	1.237	ELX	.079	ELZ	-.046																
83	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	.091	0																	
84	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	.079	ELZ	.046																
85	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	.065	ELZ	.065																
86	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	.046	ELZ	.079																
87	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	0		ELZ	.091																
88	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	-.046	ELZ	.079																
89	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	-.065	ELZ	.065																
90	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	-.079	ELZ	.046																
91	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	-.091	0																	
92	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	-.079	ELZ	-.046																
93	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	-.065	ELZ	-.065																
94	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	-.046	ELZ	-.079																
95	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	0		ELZ	-.091																
96	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	.046	ELZ	-.079																
97	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	.065	ELZ	-.065																
98	(0.9-0.2Sds)*DL...	Yes	Y		1	.863	ELX	.079	ELZ	-.046																

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	SA1	0.5365	-1.5	0.929245	0	
2	SA2	0.5365	-1.5	-0.929245	0	
3	SA3	-1.073	-1.5	0	0	
4	GSI1	3.079298	-1.5	0.3335	0	
5	GSI2	3.079298	-1.5	-0.3335	0	
6	GSI3	-1.828468	-1.5	2.5	0	
7	GSI4	-1.250829	-1.5	2.8335	0	
8	GSI5	-1.250829	-1.5	-2.8335	0	
9	GSI6	-1.828468	-1.5	-2.5	0	
10	FF2	3.079298	-1.5	-5.3335	0	
11	FF4	3.079298	-1.5	5.3335	0	
12	SF1-2	-6.158595	-1.5	0	0	
13	N40	0.914234	-1.5	1.5835	0	
14	N41	0.914234	-1.5	-1.5835	0	
15	N42	-1.828468	-1.5	0	0	
16	N49	1.347247	-1.5	1.3335	0	
17	N50	1.347247	-1.5	-1.3335	0	
18	N51	-1.828468	-1.5	.5	0	
19	N52	0.481222	-1.5	1.8335	0	
20	N53	0.481222	-1.5	-1.8335	0	
21	N54	-1.828468	-1.5	-.5	0	
22	N69	-3.661801	-1.5	1.441524	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
23	N70	-3.661801	-1.5	-1.441524	0	
24	N71	-1.828468	-1.5	1.166667	0	
25	N72	-1.828468	-1.5	-1.166667	0	
26	N73A	-3.661801	-1.5	1.166667	0	
27	N61	-1.539648	-1.5	-2.66675	0	
28	N69A	2.213272	1.5	4.8335	0	
29	N42A	3.079298	-1.5	0	0	
30	N43	3.079298	-1.5	-1.5	0	
31	N44A	3.079298	-1.5	1.5	0	
32	N45	3.079298	1.5	-1.5	0	
33	N46	3.079298	1.5	1.5	0	
34	N47	3.079298	-1.083333	-1.5	0	
35	N48	3.079298	-1.083333	1.5	0	
36	N49B	3.079298	0	-1.5	0	
37	N50A	3.079298	0	1.5	0	
38	N53A	-2.838686	-1.5	-1.91675	0	
39	N54A	-0.24061	-1.5	-3.41675	0	
40	N55	-2.838686	1.5	-1.91675	0	
41	N56	-0.24061	1.5	-3.41675	0	
42	N57A	-2.838686	-1.083333	-1.91675	0	
43	N58	-0.24061	-1.083333	-3.41675	0	
44	N59	-2.838686	0	-1.91675	0	
45	N60	-0.24061	0	-3.41675	0	
46	N63	-0.24061	-1.5	3.41675	0	
47	N64	-2.838686	-1.5	1.91675	0	
48	N65	-0.24061	1.5	3.41675	0	
49	N66	-2.838686	1.5	1.91675	0	
50	N67	-0.24061	-1.083333	3.41675	0	
51	N68	-2.838686	-1.083333	1.91675	0	
52	N69B	-0.24061	0	3.41675	0	
53	N70A	-2.838686	0	1.91675	0	
54	N62	3.079298	1.5	-5.3335	0	
55	N63A	3.079298	1.5	5.3335	0	
56	N64A	-6.158595	1.5	0	0	
57	N58A	3.079298	-1.5	4.8335	0	
58	N59A	3.079298	1.5	4.8335	0	
59	N60A	3.079298	-1.5	-4.8335	0	
60	N61A	3.079298	1.5	-4.8335	0	
61	N62A	2.646286	1.5	-5.0835	0	
62	N63B	-5.725582	1.5	-0.25	0	
63	N64B	-5.725582	1.5	0.25	0	
64	N65A	2.646286	1.5	5.0835	0	
65	N66A	2.646286	-1.5	-5.0835	0	
66	N68A	-5.725582	-1.5	-0.25	0	
67	N70B	-5.725582	-1.5	0.25	0	
68	N72A	2.646286	-1.5	5.0835	0	
69	N70C	3.079298	-1.5	-4.5834	0	
70	N73	3.079298	-1.5	-1.5834	0	
71	N74	3.079298	1.5	-4.5834	0	
72	N77	3.079298	1.5	-1.5834	0	
73	N78	3.079298	3	-4.5834	0	
74	N81	3.079298	3	-1.5834	0	
75	N82	3.079298	-3	-4.5834	0	
76	N85	3.079298	-3	-1.5834	0	
77	N86	-5.436763	3	-0.41675	0	
78	N87	2.357465	3	-4.91675	0	
79	N89	-3.055193	3	-1.79175	0	

Company : Tower Engineering Professionals, Inc.
Designer : TCS
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Model Name : BU# 800515 - CT CHESTER CAC 800515

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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
80	N90	-5.436763	-3	-0.41675	0	
81	N91	2.357465	-3	-4.91675	0	
82	N93	-3.055193	-3	-1.79175	0	
83	N94	2.357465	3	4.91675	0	
84	N95	-5.436763	3	0.41675	0	
85	N97	-0.024105	3	3.54175	0	
86	N98	2.357465	-3	4.91675	0	
87	N99	-5.436763	-3	0.41675	0	
88	N101	-0.024105	-3	3.54175	0	
89	N102	1.274934	-1.5	-4.29175	0	
90	N103	1.274934	1.5	-4.29175	0	
91	N104	1.274934	3	-4.29175	0	
92	N105	1.274934	-3	-4.29175	0	
93	N106	-4.354232	-1.5	1.04175	0	
94	N107	-4.354232	1.5	1.04175	0	
95	N108	-4.354232	3	1.04175	0	
96	N109	-4.354232	-3	1.04175	0	
97	N105A	-5.436762	-1.5	-0.41675	0	
98	N106A	-3.055192	-1.5	-1.79175	0	
99	N107A	2.357466	-1.5	-4.91675	0	
100	N108A	2.357466	-1.5	4.91675	0	
101	N109A	-0.024104	-1.5	3.54175	0	
102	N110	-5.436762	-1.5	0.41675	0	
103	N111	-5.436762	1.5	-0.41675	0	
104	N112	-3.055192	1.5	-1.79175	0	
105	N113	2.357466	1.5	-4.91675	0	
106	N114	2.357466	1.5	4.91675	0	
107	N115	-0.024104	1.5	3.54175	0	
108	N116	-5.436762	1.5	0.41675	0	
109	N117	3.079298	2.5	4.5834	0	
110	N118	3.079298	2.5	4.8834	0	
111	N119	3.079298	2	4.8834	0	
112	N120	3.079298	12	4.8834	0	
113	N121	3.079298	-1.5	4.5834	0	
114	N122	3.079298	1.5	4.5834	0	
115	N123	3.079298	3	4.5834	0	
116	N124	3.079298	-3	4.5834	0	
117	N121A	3.079298	-1.5	1.5834	0	
118	N122A	3.079298	1.5	1.5834	0	
119	N123A	3.079298	3	1.5834	0	
120	N124A	3.079298	-3	1.5834	0	

Joint Loads and Enforced Displacements (BLC 35 : Lm)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft,...
1	N121	L	Y	-.5

Joint Loads and Enforced Displacements (BLC 36 : Lv)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft,...
1	FF4	L	Y	-.25

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.006	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
2	MP-1	Y	-.084	2.5
3	MP-2	Y	-.03	.5
4	MP-3	Y	-.03	.5
5	MP-4	Y	-.006	.5
6	MP-4	Y	-.07	2.5
7	MP-5	Y	-.006	.5
8	MP-5	Y	-.084	2.5
9	MP-6	Y	-.03	.5
10	MP-7	Y	-.03	.5
11	MP-8	Y	-.006	.5
12	MP-8	Y	-.07	2.5
13	MP-9	Y	-.006	.5
14	MP-9	Y	-.084	2.5
15	MP-10	Y	-.03	.5
16	MP-11	Y	-.03	.5
17	MP-12	Y	-.006	.5
18	MP-12	Y	-.07	2.5
19	GSI1	Y	-.021	2
20	MP-1	Y	-.006	4
21	MP-2	Y	-.03	5.5
22	MP-3	Y	-.03	5.5
23	MP-4	Y	-.006	4
24	MP-5	Y	-.006	4
25	MP-6	Y	-.03	5.5
26	MP-7	Y	-.03	5.5
27	MP-8	Y	-.006	4
28	MP-9	Y	-.006	4
29	MP-10	Y	-.03	5.5
30	MP-11	Y	-.03	5.5
31	MP-12	Y	-.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.052	.5
2	MP-1	X	-.075	2.5
3	MP-2	X	-.197	.5
4	MP-3	X	-.197	.5
5	MP-4	X	-.052	.5
6	MP-4	X	-.075	2.5
7	MP-5	X	-.094	.5
8	MP-5	X	-.056	2.5
9	MP-6	X	-.159	.5
10	MP-7	X	-.159	.5
11	MP-8	X	-.094	.5
12	MP-8	X	-.049	2.5
13	MP-9	X	-.094	.5
14	MP-9	X	-.056	2.5
15	MP-10	X	-.159	.5
16	MP-11	X	-.159	.5
17	MP-12	X	-.094	.5
18	MP-12	X	-.049	2.5
19	GSI1	X	-.134	2
20	MP-1	X	-.052	4
21	MP-2	X	-.197	5.5
22	MP-3	X	-.197	5.5
23	MP-4	X	-.052	4

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP-5	X	-.094	4
25	MP-6	X	-.159	5.5
26	MP-7	X	-.159	5.5
27	MP-8	X	-.094	4
28	MP-9	X	-.094	4
29	MP-10	X	-.159	5.5
30	MP-11	X	-.159	5.5
31	MP-12	X	-.094	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.057	.5
2	MP-1	X	-.059	2.5
3	MP-2	X	-.159	.5
4	MP-3	X	-.159	.5
5	MP-4	X	-.057	.5
6	MP-4	X	-.057	2.5
7	MP-5	X	-.093	.5
8	MP-5	X	-.043	2.5
9	MP-6	X	-.127	.5
10	MP-7	X	-.127	.5
11	MP-8	X	-.093	.5
12	MP-8	X	-.035	2.5
13	MP-9	X	-.057	.5
14	MP-9	X	-.059	2.5
15	MP-10	X	-.159	.5
16	MP-11	X	-.159	.5
17	MP-12	X	-.057	.5
18	MP-12	X	-.057	2.5
19	GSI1	X	-.106	2
20	MP-1	X	-.057	4
21	MP-2	X	-.159	5.5
22	MP-3	X	-.159	5.5
23	MP-4	X	-.057	4
24	MP-5	X	-.093	4
25	MP-6	X	-.127	5.5
26	MP-7	X	-.127	5.5
27	MP-8	X	-.093	4
28	MP-9	X	-.057	4
29	MP-10	X	-.159	5.5
30	MP-11	X	-.159	5.5
31	MP-12	X	-.057	4
32	MP-1	Z	-.033	.5
33	MP-1	Z	-.034	2.5
34	MP-2	Z	-.092	.5
35	MP-3	Z	-.092	.5
36	MP-4	Z	-.033	.5
37	MP-4	Z	-.033	2.5
38	MP-5	Z	-.054	.5
39	MP-5	Z	-.025	2.5
40	MP-6	Z	-.073	.5
41	MP-7	Z	-.073	.5
42	MP-8	Z	-.054	.5
43	MP-8	Z	-.02	2.5
44	MP-9	Z	-.033	.5
45	MP-9	Z	-.034	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
46	MP-10	Z	-.092	.5
47	MP-11	Z	-.092	.5
48	MP-12	Z	-.033	.5
49	MP-12	Z	-.033	2.5
50	GSI1	Z	-.061	2
51	MP-1	Z	-.033	4
52	MP-2	Z	-.092	5.5
53	MP-3	Z	-.092	5.5
54	MP-4	Z	-.033	4
55	MP-5	Z	-.054	4
56	MP-6	Z	-.073	5.5
57	MP-7	Z	-.073	5.5
58	MP-8	Z	-.054	4
59	MP-9	Z	-.033	4
60	MP-10	Z	-.092	5.5
61	MP-11	Z	-.092	5.5
62	MP-12	Z	-.033	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.056	.5
2	MP-1	X	-.044	2.5
3	MP-2	X	-.121	.5
4	MP-3	X	-.121	.5
5	MP-4	X	-.056	.5
6	MP-4	X	-.041	2.5
7	MP-5	X	-.073	.5
8	MP-5	X	-.036	2.5
9	MP-6	X	-.106	.5
10	MP-7	X	-.106	.5
11	MP-8	X	-.073	.5
12	MP-8	X	-.03	2.5
13	MP-9	X	-.04	.5
14	MP-9	X	-.052	2.5
15	MP-10	X	-.137	.5
16	MP-11	X	-.137	.5
17	MP-12	X	-.04	.5
18	MP-12	X	-.051	2.5
19	GSI1	X	-.078	2
20	MP-1	X	-.056	4
21	MP-2	X	-.121	5.5
22	MP-3	X	-.121	5.5
23	MP-4	X	-.056	4
24	MP-5	X	-.073	4
25	MP-6	X	-.106	5.5
26	MP-7	X	-.106	5.5
27	MP-8	X	-.073	4
28	MP-9	X	-.04	4
29	MP-10	X	-.137	5.5
30	MP-11	X	-.137	5.5
31	MP-12	X	-.04	4
32	MP-1	Z	-.056	.5
33	MP-1	Z	-.044	2.5
34	MP-2	Z	-.121	.5
35	MP-3	Z	-.121	.5
36	MP-4	Z	-.056	.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP-4	Z	-.041	2.5
38	MP-5	Z	-.073	.5
39	MP-5	Z	-.036	2.5
40	MP-6	Z	-.106	.5
41	MP-7	Z	-.106	.5
42	MP-8	Z	-.073	.5
43	MP-8	Z	-.03	2.5
44	MP-9	Z	-.04	.5
45	MP-9	Z	-.052	2.5
46	MP-10	Z	-.137	.5
47	MP-11	Z	-.137	.5
48	MP-12	Z	-.04	.5
49	MP-12	Z	-.051	2.5
50	GSI1	Z	-.078	2
51	MP-1	Z	-.056	4
52	MP-2	Z	-.121	5.5
53	MP-3	Z	-.121	5.5
54	MP-4	Z	-.056	4
55	MP-5	Z	-.073	4
56	MP-6	Z	-.106	5.5
57	MP-7	Z	-.106	5.5
58	MP-8	Z	-.073	4
59	MP-9	Z	-.04	4
60	MP-10	Z	-.137	5.5
61	MP-11	Z	-.137	5.5
62	MP-12	Z	-.04	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.047	.5
2	MP-1	X	-.028	2.5
3	MP-2	X	-.079	.5
4	MP-3	X	-.079	.5
5	MP-4	X	-.047	.5
6	MP-4	X	-.024	2.5
7	MP-5	X	-.047	.5
8	MP-5	X	-.028	2.5
9	MP-6	X	-.079	.5
10	MP-7	X	-.079	.5
11	MP-8	X	-.047	.5
12	MP-8	X	-.024	2.5
13	MP-9	X	-.026	.5
14	MP-9	X	-.037	2.5
15	MP-10	X	-.098	.5
16	MP-11	X	-.098	.5
17	MP-12	X	-.026	.5
18	MP-12	X	-.037	2.5
19	GSI1	X	-.05	2
20	MP-1	X	-.047	4
21	MP-2	X	-.079	5.5
22	MP-3	X	-.079	5.5
23	MP-4	X	-.047	4
24	MP-5	X	-.047	4
25	MP-6	X	-.079	5.5
26	MP-7	X	-.079	5.5
27	MP-8	X	-.047	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP-9	X	-.026	4
29	MP-10	X	-.098	5.5
30	MP-11	X	-.098	5.5
31	MP-12	X	-.026	4
32	MP-1	Z	-.081	.5
33	MP-1	Z	-.049	2.5
34	MP-2	Z	-.138	.5
35	MP-3	Z	-.138	.5
36	MP-4	Z	-.081	.5
37	MP-4	Z	-.042	2.5
38	MP-5	Z	-.081	.5
39	MP-5	Z	-.049	2.5
40	MP-6	Z	-.138	.5
41	MP-7	Z	-.138	.5
42	MP-8	Z	-.081	.5
43	MP-8	Z	-.042	2.5
44	MP-9	Z	-.045	.5
45	MP-9	Z	-.065	2.5
46	MP-10	Z	-.17	.5
47	MP-11	Z	-.17	.5
48	MP-12	Z	-.045	.5
49	MP-12	Z	-.065	2.5
50	GSI1	Z	-.086	2
51	MP-1	Z	-.081	4
52	MP-2	Z	-.138	5.5
53	MP-3	Z	-.138	5.5
54	MP-4	Z	-.081	4
55	MP-5	Z	-.081	4
56	MP-6	Z	-.138	5.5
57	MP-7	Z	-.138	5.5
58	MP-8	Z	-.081	4
59	MP-9	Z	-.045	4
60	MP-10	Z	-.17	5.5
61	MP-11	Z	-.17	5.5
62	MP-12	Z	-.045	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.108	.5
2	MP-1	Z	-.05	2.5
3	MP-2	Z	-.146	.5
4	MP-3	Z	-.146	.5
5	MP-4	Z	-.108	.5
6	MP-4	Z	-.04	2.5
7	MP-5	Z	-.066	.5
8	MP-5	Z	-.068	2.5
9	MP-6	Z	-.184	.5
10	MP-7	Z	-.184	.5
11	MP-8	Z	-.066	.5
12	MP-8	Z	-.066	2.5
13	MP-9	Z	-.066	.5
14	MP-9	Z	-.068	2.5
15	MP-10	Z	-.184	.5
16	MP-11	Z	-.184	.5
17	MP-12	Z	-.066	.5
18	MP-12	Z	-.066	2.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
19	GSI1	Z	-.087	2
20	MP-1	Z	-.108	4
21	MP-2	Z	-.146	5.5
22	MP-3	Z	-.146	5.5
23	MP-4	Z	-.108	4
24	MP-5	Z	-.066	4
25	MP-6	Z	-.184	5.5
26	MP-7	Z	-.184	5.5
27	MP-8	Z	-.066	4
28	MP-9	Z	-.066	4
29	MP-10	Z	-.184	5.5
30	MP-11	Z	-.184	5.5
31	MP-12	Z	-.066	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.047	.5
2	MP-1	X	.028	2.5
3	MP-2	X	.079	.5
4	MP-3	X	.079	.5
5	MP-4	X	.047	.5
6	MP-4	X	.024	2.5
7	MP-5	X	.026	.5
8	MP-5	X	.037	2.5
9	MP-6	X	.098	.5
10	MP-7	X	.098	.5
11	MP-8	X	.026	.5
12	MP-8	X	.037	2.5
13	MP-9	X	.047	.5
14	MP-9	X	.028	2.5
15	MP-10	X	.079	.5
16	MP-11	X	.079	.5
17	MP-12	X	.047	.5
18	MP-12	X	.024	2.5
19	GSI1	X	.05	2
20	MP-1	X	.047	4
21	MP-2	X	.079	5.5
22	MP-3	X	.079	5.5
23	MP-4	X	.047	4
24	MP-5	X	.026	4
25	MP-6	X	.098	5.5
26	MP-7	X	.098	5.5
27	MP-8	X	.026	4
28	MP-9	X	.047	4
29	MP-10	X	.079	5.5
30	MP-11	X	.079	5.5
31	MP-12	X	.047	4
32	MP-1	Z	-.081	.5
33	MP-1	Z	-.049	2.5
34	MP-2	Z	-.138	.5
35	MP-3	Z	-.138	.5
36	MP-4	Z	-.081	.5
37	MP-4	Z	-.042	2.5
38	MP-5	Z	-.045	.5
39	MP-5	Z	-.065	2.5
40	MP-6	Z	-.17	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
41	MP-7	Z	-.17	.5
42	MP-8	Z	-.045	.5
43	MP-8	Z	-.065	2.5
44	MP-9	Z	-.081	.5
45	MP-9	Z	-.049	2.5
46	MP-10	Z	-.138	.5
47	MP-11	Z	-.138	.5
48	MP-12	Z	-.081	.5
49	MP-12	Z	-.042	2.5
50	GSI1	Z	-.086	2
51	MP-1	Z	-.081	4
52	MP-2	Z	-.138	5.5
53	MP-3	Z	-.138	5.5
54	MP-4	Z	-.081	4
55	MP-5	Z	-.045	4
56	MP-6	Z	-.17	5.5
57	MP-7	Z	-.17	5.5
58	MP-8	Z	-.045	4
59	MP-9	Z	-.081	4
60	MP-10	Z	-.138	5.5
61	MP-11	Z	-.138	5.5
62	MP-12	Z	-.081	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.056	.5
2	MP-1	X	.044	2.5
3	MP-2	X	.121	.5
4	MP-3	X	.121	.5
5	MP-4	X	.056	.5
6	MP-4	X	.041	2.5
7	MP-5	X	.04	.5
8	MP-5	X	.052	2.5
9	MP-6	X	.137	.5
10	MP-7	X	.137	.5
11	MP-8	X	.04	.5
12	MP-8	X	.051	2.5
13	MP-9	X	.073	.5
14	MP-9	X	.036	2.5
15	MP-10	X	.106	.5
16	MP-11	X	.106	.5
17	MP-12	X	.073	.5
18	MP-12	X	.03	2.5
19	GSI1	X	.078	2
20	MP-1	X	.056	4
21	MP-2	X	.121	5.5
22	MP-3	X	.121	5.5
23	MP-4	X	.056	4
24	MP-5	X	.04	4
25	MP-6	X	.137	5.5
26	MP-7	X	.137	5.5
27	MP-8	X	.04	4
28	MP-9	X	.073	4
29	MP-10	X	.106	5.5
30	MP-11	X	.106	5.5
31	MP-12	X	.073	4

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
32	MP-1	Z	-.056	.5
33	MP-1	Z	-.044	2.5
34	MP-2	Z	-.121	.5
35	MP-3	Z	-.121	.5
36	MP-4	Z	-.056	.5
37	MP-4	Z	-.041	2.5
38	MP-5	Z	-.04	.5
39	MP-5	Z	-.052	2.5
40	MP-6	Z	-.137	.5
41	MP-7	Z	-.137	.5
42	MP-8	Z	-.04	.5
43	MP-8	Z	-.051	2.5
44	MP-9	Z	-.073	.5
45	MP-9	Z	-.036	2.5
46	MP-10	Z	-.106	.5
47	MP-11	Z	-.106	.5
48	MP-12	Z	-.073	.5
49	MP-12	Z	-.03	2.5
50	GSI1	Z	-.078	2
51	MP-1	Z	-.056	4
52	MP-2	Z	-.121	5.5
53	MP-3	Z	-.121	5.5
54	MP-4	Z	-.056	4
55	MP-5	Z	-.04	4
56	MP-6	Z	-.137	5.5
57	MP-7	Z	-.137	5.5
58	MP-8	Z	-.04	4
59	MP-9	Z	-.073	4
60	MP-10	Z	-.106	5.5
61	MP-11	Z	-.106	5.5
62	MP-12	Z	-.073	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.057	.5
2	MP-1	X	.059	2.5
3	MP-2	X	.159	.5
4	MP-3	X	.159	.5
5	MP-4	X	.057	.5
6	MP-4	X	.057	2.5
7	MP-5	X	.057	.5
8	MP-5	X	.059	2.5
9	MP-6	X	.159	.5
10	MP-7	X	.159	.5
11	MP-8	X	.057	.5
12	MP-8	X	.057	2.5
13	MP-9	X	.093	.5
14	MP-9	X	.043	2.5
15	MP-10	X	.127	.5
16	MP-11	X	.127	.5
17	MP-12	X	.093	.5
18	MP-12	X	.035	2.5
19	GSI1	X	.106	2
20	MP-1	X	.057	4
21	MP-2	X	.159	5.5
22	MP-3	X	.159	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	MP-4	X	.057	4
24	MP-5	X	.057	4
25	MP-6	X	.159	5.5
26	MP-7	X	.159	5.5
27	MP-8	X	.057	4
28	MP-9	X	.093	4
29	MP-10	X	.127	5.5
30	MP-11	X	.127	5.5
31	MP-12	X	.093	4
32	MP-1	Z	-.033	.5
33	MP-1	Z	-.034	2.5
34	MP-2	Z	-.092	.5
35	MP-3	Z	-.092	.5
36	MP-4	Z	-.033	.5
37	MP-4	Z	-.033	2.5
38	MP-5	Z	-.033	.5
39	MP-5	Z	-.034	2.5
40	MP-6	Z	-.092	.5
41	MP-7	Z	-.092	.5
42	MP-8	Z	-.033	.5
43	MP-8	Z	-.033	2.5
44	MP-9	Z	-.054	.5
45	MP-9	Z	-.025	2.5
46	MP-10	Z	-.073	.5
47	MP-11	Z	-.073	.5
48	MP-12	Z	-.054	.5
49	MP-12	Z	-.02	2.5
50	GSI1	Z	-.061	2
51	MP-1	Z	-.033	4
52	MP-2	Z	-.092	5.5
53	MP-3	Z	-.092	5.5
54	MP-4	Z	-.033	4
55	MP-5	Z	-.033	4
56	MP-6	Z	-.092	5.5
57	MP-7	Z	-.092	5.5
58	MP-8	Z	-.033	4
59	MP-9	Z	-.054	4
60	MP-10	Z	-.073	5.5
61	MP-11	Z	-.073	5.5
62	MP-12	Z	-.054	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.052	.5
2	MP-1	X	.075	2.5
3	MP-2	X	.197	.5
4	MP-3	X	.197	.5
5	MP-4	X	.052	.5
6	MP-4	X	.075	2.5
7	MP-5	X	.094	.5
8	MP-5	X	.056	2.5
9	MP-6	X	.159	.5
10	MP-7	X	.159	.5
11	MP-8	X	.094	.5
12	MP-8	X	.049	2.5
13	MP-9	X	.094	.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
14	MP-9	X	.056	2.5
15	MP-10	X	.159	.5
16	MP-11	X	.159	.5
17	MP-12	X	.094	.5
18	MP-12	X	.049	2.5
19	GSI1	X	.134	2
20	MP-1	X	.052	4
21	MP-2	X	.197	5.5
22	MP-3	X	.197	5.5
23	MP-4	X	.052	4
24	MP-5	X	.094	4
25	MP-6	X	.159	5.5
26	MP-7	X	.159	5.5
27	MP-8	X	.094	4
28	MP-9	X	.094	4
29	MP-10	X	.159	5.5
30	MP-11	X	.159	5.5
31	MP-12	X	.094	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.057	.5
2	MP-1	X	.059	2.5
3	MP-2	X	.159	.5
4	MP-3	X	.159	.5
5	MP-4	X	.057	.5
6	MP-4	X	.057	2.5
7	MP-5	X	.093	.5
8	MP-5	X	.043	2.5
9	MP-6	X	.127	.5
10	MP-7	X	.127	.5
11	MP-8	X	.093	.5
12	MP-8	X	.035	2.5
13	MP-9	X	.057	.5
14	MP-9	X	.059	2.5
15	MP-10	X	.159	.5
16	MP-11	X	.159	.5
17	MP-12	X	.057	.5
18	MP-12	X	.057	2.5
19	GSI1	X	.106	2
20	MP-1	X	.057	4
21	MP-2	X	.159	5.5
22	MP-3	X	.159	5.5
23	MP-4	X	.057	4
24	MP-5	X	.093	4
25	MP-6	X	.127	5.5
26	MP-7	X	.127	5.5
27	MP-8	X	.093	4
28	MP-9	X	.057	4
29	MP-10	X	.159	5.5
30	MP-11	X	.159	5.5
31	MP-12	X	.057	4
32	MP-1	Z	.033	.5
33	MP-1	Z	.034	2.5
34	MP-2	Z	.092	.5
35	MP-3	Z	.092	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
36	MP-4	Z	.033	.5
37	MP-4	Z	.033	2.5
38	MP-5	Z	.054	.5
39	MP-5	Z	.025	2.5
40	MP-6	Z	.073	.5
41	MP-7	Z	.073	.5
42	MP-8	Z	.054	.5
43	MP-8	Z	.02	2.5
44	MP-9	Z	.033	.5
45	MP-9	Z	.034	2.5
46	MP-10	Z	.092	.5
47	MP-11	Z	.092	.5
48	MP-12	Z	.033	.5
49	MP-12	Z	.033	2.5
50	GSI1	Z	.061	2
51	MP-1	Z	.033	4
52	MP-2	Z	.092	5.5
53	MP-3	Z	.092	5.5
54	MP-4	Z	.033	4
55	MP-5	Z	.054	4
56	MP-6	Z	.073	5.5
57	MP-7	Z	.073	5.5
58	MP-8	Z	.054	4
59	MP-9	Z	.033	4
60	MP-10	Z	.092	5.5
61	MP-11	Z	.092	5.5
62	MP-12	Z	.033	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.056	.5
2	MP-1	X	.044	2.5
3	MP-2	X	.121	.5
4	MP-3	X	.121	.5
5	MP-4	X	.056	.5
6	MP-4	X	.041	2.5
7	MP-5	X	.073	.5
8	MP-5	X	.036	2.5
9	MP-6	X	.106	.5
10	MP-7	X	.106	.5
11	MP-8	X	.073	.5
12	MP-8	X	.03	2.5
13	MP-9	X	.04	.5
14	MP-9	X	.052	2.5
15	MP-10	X	.137	.5
16	MP-11	X	.137	.5
17	MP-12	X	.04	.5
18	MP-12	X	.051	2.5
19	GSI1	X	.078	2
20	MP-1	X	.056	4
21	MP-2	X	.121	5.5
22	MP-3	X	.121	5.5
23	MP-4	X	.056	4
24	MP-5	X	.073	4
25	MP-6	X	.106	5.5
26	MP-7	X	.106	5.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP-8	X	.073	4
28	MP-9	X	.04	4
29	MP-10	X	.137	5.5
30	MP-11	X	.137	5.5
31	MP-12	X	.04	4
32	MP-1	Z	.056	.5
33	MP-1	Z	.044	2.5
34	MP-2	Z	.121	.5
35	MP-3	Z	.121	.5
36	MP-4	Z	.056	.5
37	MP-4	Z	.041	2.5
38	MP-5	Z	.073	.5
39	MP-5	Z	.036	2.5
40	MP-6	Z	.106	.5
41	MP-7	Z	.106	.5
42	MP-8	Z	.073	.5
43	MP-8	Z	.03	2.5
44	MP-9	Z	.04	.5
45	MP-9	Z	.052	2.5
46	MP-10	Z	.137	.5
47	MP-11	Z	.137	.5
48	MP-12	Z	.04	.5
49	MP-12	Z	.051	2.5
50	GSI1	Z	.078	2
51	MP-1	Z	.056	4
52	MP-2	Z	.121	5.5
53	MP-3	Z	.121	5.5
54	MP-4	Z	.056	4
55	MP-5	Z	.073	4
56	MP-6	Z	.106	5.5
57	MP-7	Z	.106	5.5
58	MP-8	Z	.073	4
59	MP-9	Z	.04	4
60	MP-10	Z	.137	5.5
61	MP-11	Z	.137	5.5
62	MP-12	Z	.04	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.047	.5
2	MP-1	X	.028	2.5
3	MP-2	X	.079	.5
4	MP-3	X	.079	.5
5	MP-4	X	.047	.5
6	MP-4	X	.024	2.5
7	MP-5	X	.047	.5
8	MP-5	X	.028	2.5
9	MP-6	X	.079	.5
10	MP-7	X	.079	.5
11	MP-8	X	.047	.5
12	MP-8	X	.024	2.5
13	MP-9	X	.026	.5
14	MP-9	X	.037	2.5
15	MP-10	X	.098	.5
16	MP-11	X	.098	.5
17	MP-12	X	.026	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP-12	X	.037	2.5
19	GSI1	X	.05	2
20	MP-1	X	.047	4
21	MP-2	X	.079	5.5
22	MP-3	X	.079	5.5
23	MP-4	X	.047	4
24	MP-5	X	.047	4
25	MP-6	X	.079	5.5
26	MP-7	X	.079	5.5
27	MP-8	X	.047	4
28	MP-9	X	.026	4
29	MP-10	X	.098	5.5
30	MP-11	X	.098	5.5
31	MP-12	X	.026	4
32	MP-1	Z	.081	.5
33	MP-1	Z	.049	2.5
34	MP-2	Z	.138	.5
35	MP-3	Z	.138	.5
36	MP-4	Z	.081	.5
37	MP-4	Z	.042	2.5
38	MP-5	Z	.081	.5
39	MP-5	Z	.049	2.5
40	MP-6	Z	.138	.5
41	MP-7	Z	.138	.5
42	MP-8	Z	.081	.5
43	MP-8	Z	.042	2.5
44	MP-9	Z	.045	.5
45	MP-9	Z	.065	2.5
46	MP-10	Z	.17	.5
47	MP-11	Z	.17	.5
48	MP-12	Z	.045	.5
49	MP-12	Z	.065	2.5
50	GSI1	Z	.086	2
51	MP-1	Z	.081	4
52	MP-2	Z	.138	5.5
53	MP-3	Z	.138	5.5
54	MP-4	Z	.081	4
55	MP-5	Z	.081	4
56	MP-6	Z	.138	5.5
57	MP-7	Z	.138	5.5
58	MP-8	Z	.081	4
59	MP-9	Z	.045	4
60	MP-10	Z	.17	5.5
61	MP-11	Z	.17	5.5
62	MP-12	Z	.045	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.108	.5
2	MP-1	Z	.05	2.5
3	MP-2	Z	.146	.5
4	MP-3	Z	.146	.5
5	MP-4	Z	.108	.5
6	MP-4	Z	.04	2.5
7	MP-5	Z	.066	.5
8	MP-5	Z	.068	2.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
9	MP-6	Z	.184	.5
10	MP-7	Z	.184	.5
11	MP-8	Z	.066	.5
12	MP-8	Z	.066	2.5
13	MP-9	Z	.066	.5
14	MP-9	Z	.068	2.5
15	MP-10	Z	.184	.5
16	MP-11	Z	.184	.5
17	MP-12	Z	.066	.5
18	MP-12	Z	.066	2.5
19	GSI1	Z	.087	2
20	MP-1	Z	.108	4
21	MP-2	Z	.146	5.5
22	MP-3	Z	.146	5.5
23	MP-4	Z	.108	4
24	MP-5	Z	.066	4
25	MP-6	Z	.184	5.5
26	MP-7	Z	.184	5.5
27	MP-8	Z	.066	4
28	MP-9	Z	.066	4
29	MP-10	Z	.184	5.5
30	MP-11	Z	.184	5.5
31	MP-12	Z	.066	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.047	.5
2	MP-1	X	-.028	2.5
3	MP-2	X	-.079	.5
4	MP-3	X	-.079	.5
5	MP-4	X	-.047	.5
6	MP-4	X	-.024	2.5
7	MP-5	X	-.026	.5
8	MP-5	X	-.037	2.5
9	MP-6	X	-.098	.5
10	MP-7	X	-.098	.5
11	MP-8	X	-.026	.5
12	MP-8	X	-.037	2.5
13	MP-9	X	-.047	.5
14	MP-9	X	-.028	2.5
15	MP-10	X	-.079	.5
16	MP-11	X	-.079	.5
17	MP-12	X	-.047	.5
18	MP-12	X	-.024	2.5
19	GSI1	X	-.05	2
20	MP-1	X	-.047	4
21	MP-2	X	-.079	5.5
22	MP-3	X	-.079	5.5
23	MP-4	X	-.047	4
24	MP-5	X	-.026	4
25	MP-6	X	-.098	5.5
26	MP-7	X	-.098	5.5
27	MP-8	X	-.026	4
28	MP-9	X	-.047	4
29	MP-10	X	-.079	5.5
30	MP-11	X	-.079	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
31	MP-12	X	-.047	4
32	MP-1	Z	.081	.5
33	MP-1	Z	.049	2.5
34	MP-2	Z	.138	.5
35	MP-3	Z	.138	.5
36	MP-4	Z	.081	.5
37	MP-4	Z	.042	2.5
38	MP-5	Z	.045	.5
39	MP-5	Z	.065	2.5
40	MP-6	Z	.17	.5
41	MP-7	Z	.17	.5
42	MP-8	Z	.045	.5
43	MP-8	Z	.065	2.5
44	MP-9	Z	.081	.5
45	MP-9	Z	.049	2.5
46	MP-10	Z	.138	.5
47	MP-11	Z	.138	.5
48	MP-12	Z	.081	.5
49	MP-12	Z	.042	2.5
50	GSI1	Z	.086	2
51	MP-1	Z	.081	4
52	MP-2	Z	.138	5.5
53	MP-3	Z	.138	5.5
54	MP-4	Z	.081	4
55	MP-5	Z	.045	4
56	MP-6	Z	.17	5.5
57	MP-7	Z	.17	5.5
58	MP-8	Z	.045	4
59	MP-9	Z	.081	4
60	MP-10	Z	.138	5.5
61	MP-11	Z	.138	5.5
62	MP-12	Z	.081	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.056	.5
2	MP-1	X	-.044	2.5
3	MP-2	X	-.121	.5
4	MP-3	X	-.121	.5
5	MP-4	X	-.056	.5
6	MP-4	X	-.041	2.5
7	MP-5	X	-.04	.5
8	MP-5	X	-.052	2.5
9	MP-6	X	-.137	.5
10	MP-7	X	-.137	.5
11	MP-8	X	-.04	.5
12	MP-8	X	-.051	2.5
13	MP-9	X	-.073	.5
14	MP-9	X	-.036	2.5
15	MP-10	X	-.106	.5
16	MP-11	X	-.106	.5
17	MP-12	X	-.073	.5
18	MP-12	X	-.03	2.5
19	GSI1	X	-.078	2
20	MP-1	X	-.056	4
21	MP-2	X	-.121	5.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP-3	X	-.121	5.5
23	MP-4	X	-.056	4
24	MP-5	X	-.04	4
25	MP-6	X	-.137	5.5
26	MP-7	X	-.137	5.5
27	MP-8	X	-.04	4
28	MP-9	X	-.073	4
29	MP-10	X	-.106	5.5
30	MP-11	X	-.106	5.5
31	MP-12	X	-.073	4
32	MP-1	Z	.056	.5
33	MP-1	Z	.044	2.5
34	MP-2	Z	.121	.5
35	MP-3	Z	.121	.5
36	MP-4	Z	.056	.5
37	MP-4	Z	.041	2.5
38	MP-5	Z	.04	.5
39	MP-5	Z	.052	2.5
40	MP-6	Z	.137	.5
41	MP-7	Z	.137	.5
42	MP-8	Z	.04	.5
43	MP-8	Z	.051	2.5
44	MP-9	Z	.073	.5
45	MP-9	Z	.036	2.5
46	MP-10	Z	.106	.5
47	MP-11	Z	.106	.5
48	MP-12	Z	.073	.5
49	MP-12	Z	.03	2.5
50	GSI1	Z	.078	2
51	MP-1	Z	.056	4
52	MP-2	Z	.121	5.5
53	MP-3	Z	.121	5.5
54	MP-4	Z	.056	4
55	MP-5	Z	.04	4
56	MP-6	Z	.137	5.5
57	MP-7	Z	.137	5.5
58	MP-8	Z	.04	4
59	MP-9	Z	.073	4
60	MP-10	Z	.106	5.5
61	MP-11	Z	.106	5.5
62	MP-12	Z	.073	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.057	.5
2	MP-1	X	-.059	2.5
3	MP-2	X	-.159	.5
4	MP-3	X	-.159	.5
5	MP-4	X	-.057	.5
6	MP-4	X	-.057	2.5
7	MP-5	X	-.057	.5
8	MP-5	X	-.059	2.5
9	MP-6	X	-.159	.5
10	MP-7	X	-.159	.5
11	MP-8	X	-.057	.5
12	MP-8	X	-.057	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
13	MP-9	X	-.093	.5
14	MP-9	X	-.043	2.5
15	MP-10	X	-.127	.5
16	MP-11	X	-.127	.5
17	MP-12	X	-.093	.5
18	MP-12	X	-.035	2.5
19	GSI1	X	-.106	2
20	MP-1	X	-.057	4
21	MP-2	X	-.159	5.5
22	MP-3	X	-.159	5.5
23	MP-4	X	-.057	4
24	MP-5	X	-.057	4
25	MP-6	X	-.159	5.5
26	MP-7	X	-.159	5.5
27	MP-8	X	-.057	4
28	MP-9	X	-.093	4
29	MP-10	X	-.127	5.5
30	MP-11	X	-.127	5.5
31	MP-12	X	-.093	4
32	MP-1	Z	.033	.5
33	MP-1	Z	.034	2.5
34	MP-2	Z	.092	.5
35	MP-3	Z	.092	.5
36	MP-4	Z	.033	.5
37	MP-4	Z	.033	2.5
38	MP-5	Z	.033	.5
39	MP-5	Z	.034	2.5
40	MP-6	Z	.092	.5
41	MP-7	Z	.092	.5
42	MP-8	Z	.033	.5
43	MP-8	Z	.033	2.5
44	MP-9	Z	.054	.5
45	MP-9	Z	.025	2.5
46	MP-10	Z	.073	.5
47	MP-11	Z	.073	.5
48	MP-12	Z	.054	.5
49	MP-12	Z	.02	2.5
50	GSI1	Z	.061	2
51	MP-1	Z	.033	4
52	MP-2	Z	.092	5.5
53	MP-3	Z	.092	5.5
54	MP-4	Z	.033	4
55	MP-5	Z	.033	4
56	MP-6	Z	.092	5.5
57	MP-7	Z	.092	5.5
58	MP-8	Z	.033	4
59	MP-9	Z	.054	4
60	MP-10	Z	.073	5.5
61	MP-11	Z	.073	5.5
62	MP-12	Z	.054	4

Member Point Loads (BLC 18 : Ice Weight)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.067	.5
2	MP-1	Y	-.076	2.5
3	MP-2	Y	-.133	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP-3	Y	-.133	.5
5	MP-4	Y	-.067	.5
6	MP-4	Y	-.069	2.5
7	MP-5	Y	-.067	.5
8	MP-5	Y	-.076	2.5
9	MP-6	Y	-.133	.5
10	MP-7	Y	-.133	.5
11	MP-8	Y	-.067	.5
12	MP-8	Y	-.069	2.5
13	MP-9	Y	-.067	.5
14	MP-9	Y	-.076	2.5
15	MP-10	Y	-.133	.5
16	MP-11	Y	-.133	.5
17	MP-12	Y	-.067	.5
18	MP-12	Y	-.069	2.5
19	GSI1	Y	-.115	2
20	MP-1	Y	-.067	4
21	MP-2	Y	-.133	5.5
22	MP-3	Y	-.133	5.5
23	MP-4	Y	-.067	4
24	MP-5	Y	-.067	4
25	MP-6	Y	-.133	5.5
26	MP-7	Y	-.133	5.5
27	MP-8	Y	-.067	4
28	MP-9	Y	-.067	4
29	MP-10	Y	-.133	5.5
30	MP-11	Y	-.133	5.5
31	MP-12	Y	-.067	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.012	.5
2	MP-1	X	-.017	2.5
3	MP-2	X	-.037	.5
4	MP-3	X	-.037	.5
5	MP-4	X	-.012	.5
6	MP-4	X	-.017	2.5
7	MP-5	X	-.012	.5
8	MP-5	X	-.017	2.5
9	MP-6	X	-.037	.5
10	MP-7	X	-.037	.5
11	MP-8	X	-.012	.5
12	MP-8	X	-.017	2.5
13	MP-9	X	-.012	.5
14	MP-9	X	-.017	2.5
15	MP-10	X	-.037	.5
16	MP-11	X	-.037	.5
17	MP-12	X	-.012	.5
18	MP-12	X	-.017	2.5
19	GSI1	X	-.027	2
20	MP-1	X	-.012	4
21	MP-2	X	-.037	5.5
22	MP-3	X	-.037	5.5
23	MP-4	X	-.012	4
24	MP-5	X	-.012	4
25	MP-6	X	-.037	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
26	MP-7	X	-.037	5.5
27	MP-8	X	-.012	4
28	MP-9	X	-.012	4
29	MP-10	X	-.037	5.5
30	MP-11	X	-.037	5.5
31	MP-12	X	-.012	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.013	.5
2	MP-1	X	-.014	2.5
3	MP-2	X	-.03	.5
4	MP-3	X	-.03	.5
5	MP-4	X	-.013	.5
6	MP-4	X	-.013	2.5
7	MP-5	X	-.018	.5
8	MP-5	X	-.011	2.5
9	MP-6	X	-.025	.5
10	MP-7	X	-.025	.5
11	MP-8	X	-.018	.5
12	MP-8	X	-.009	2.5
13	MP-9	X	-.013	.5
14	MP-9	X	-.014	2.5
15	MP-10	X	-.03	.5
16	MP-11	X	-.03	.5
17	MP-12	X	-.013	.5
18	MP-12	X	-.013	2.5
19	GSI1	X	-.022	2
20	MP-1	X	-.013	4
21	MP-2	X	-.03	5.5
22	MP-3	X	-.03	5.5
23	MP-4	X	-.013	4
24	MP-5	X	-.018	4
25	MP-6	X	-.025	5.5
26	MP-7	X	-.025	5.5
27	MP-8	X	-.018	4
28	MP-9	X	-.013	4
29	MP-10	X	-.03	5.5
30	MP-11	X	-.03	5.5
31	MP-12	X	-.013	4
32	MP-1	Z	-.007	.5
33	MP-1	Z	-.008	2.5
34	MP-2	Z	-.017	.5
35	MP-3	Z	-.017	.5
36	MP-4	Z	-.007	.5
37	MP-4	Z	-.008	2.5
38	MP-5	Z	-.011	.5
39	MP-5	Z	-.006	2.5
40	MP-6	Z	-.014	.5
41	MP-7	Z	-.014	.5
42	MP-8	Z	-.011	.5
43	MP-8	Z	-.005	2.5
44	MP-9	Z	-.007	.5
45	MP-9	Z	-.008	2.5
46	MP-10	Z	-.017	.5
47	MP-11	Z	-.017	.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
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Member Point Loads (BLC 20 : 30 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
48	MP-12	Z	-.007	.5
49	MP-12	Z	-.008	2.5
50	GSI1	Z	-.013	2
51	MP-1	Z	-.007	4
52	MP-2	Z	-.017	5.5
53	MP-3	Z	-.017	5.5
54	MP-4	Z	-.007	4
55	MP-5	Z	-.011	4
56	MP-6	Z	-.014	5.5
57	MP-7	Z	-.014	5.5
58	MP-8	Z	-.011	4
59	MP-9	Z	-.007	4
60	MP-10	Z	-.017	5.5
61	MP-11	Z	-.017	5.5
62	MP-12	Z	-.007	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.012	.5
2	MP-1	X	-.01	2.5
3	MP-2	X	-.023	.5
4	MP-3	X	-.023	.5
5	MP-4	X	-.012	.5
6	MP-4	X	-.01	2.5
7	MP-5	X	-.015	.5
8	MP-5	X	-.009	2.5
9	MP-6	X	-.021	.5
10	MP-7	X	-.021	.5
11	MP-8	X	-.015	.5
12	MP-8	X	-.008	2.5
13	MP-9	X	-.009	.5
14	MP-9	X	-.012	2.5
15	MP-10	X	-.025	.5
16	MP-11	X	-.025	.5
17	MP-12	X	-.009	.5
18	MP-12	X	-.012	2.5
19	GSI1	X	-.017	2
20	MP-1	X	-.012	4
21	MP-2	X	-.023	5.5
22	MP-3	X	-.023	5.5
23	MP-4	X	-.012	4
24	MP-5	X	-.015	4
25	MP-6	X	-.021	5.5
26	MP-7	X	-.021	5.5
27	MP-8	X	-.015	4
28	MP-9	X	-.009	4
29	MP-10	X	-.025	5.5
30	MP-11	X	-.025	5.5
31	MP-12	X	-.009	4
32	MP-1	Z	-.012	.5
33	MP-1	Z	-.01	2.5
34	MP-2	Z	-.023	.5
35	MP-3	Z	-.023	.5
36	MP-4	Z	-.012	.5
37	MP-4	Z	-.01	2.5
38	MP-5	Z	-.015	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP-5	Z	-.009	2.5
40	MP-6	Z	-.021	.5
41	MP-7	Z	-.021	.5
42	MP-8	Z	-.015	.5
43	MP-8	Z	-.008	2.5
44	MP-9	Z	-.009	.5
45	MP-9	Z	-.012	2.5
46	MP-10	Z	-.025	.5
47	MP-11	Z	-.025	.5
48	MP-12	Z	-.009	.5
49	MP-12	Z	-.012	2.5
50	GSI1	Z	-.017	2
51	MP-1	Z	-.012	4
52	MP-2	Z	-.023	5.5
53	MP-3	Z	-.023	5.5
54	MP-4	Z	-.012	4
55	MP-5	Z	-.015	4
56	MP-6	Z	-.021	5.5
57	MP-7	Z	-.021	5.5
58	MP-8	Z	-.015	4
59	MP-9	Z	-.009	4
60	MP-10	Z	-.025	5.5
61	MP-11	Z	-.025	5.5
62	MP-12	Z	-.009	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.009	.5
2	MP-1	X	-.007	2.5
3	MP-2	X	-.015	.5
4	MP-3	X	-.015	.5
5	MP-4	X	-.009	.5
6	MP-4	X	-.006	2.5
7	MP-5	X	-.009	.5
8	MP-5	X	-.007	2.5
9	MP-6	X	-.015	.5
10	MP-7	X	-.015	.5
11	MP-8	X	-.009	.5
12	MP-8	X	-.006	2.5
13	MP-9	X	-.006	.5
14	MP-9	X	-.008	2.5
15	MP-10	X	-.018	.5
16	MP-11	X	-.018	.5
17	MP-12	X	-.006	.5
18	MP-12	X	-.008	2.5
19	GSI1	X	-.011	2
20	MP-1	X	-.009	4
21	MP-2	X	-.015	5.5
22	MP-3	X	-.015	5.5
23	MP-4	X	-.009	4
24	MP-5	X	-.009	4
25	MP-6	X	-.015	5.5
26	MP-7	X	-.015	5.5
27	MP-8	X	-.009	4
28	MP-9	X	-.006	4
29	MP-10	X	-.018	5.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
30	MP-11	X	-.018	5.5
31	MP-12	X	-.006	4
32	MP-1	Z	-.016	.5
33	MP-1	Z	-.012	2.5
34	MP-2	Z	-.027	.5
35	MP-3	Z	-.027	.5
36	MP-4	Z	-.016	.5
37	MP-4	Z	-.01	2.5
38	MP-5	Z	-.016	.5
39	MP-5	Z	-.012	2.5
40	MP-6	Z	-.027	.5
41	MP-7	Z	-.027	.5
42	MP-8	Z	-.016	.5
43	MP-8	Z	-.01	2.5
44	MP-9	Z	-.011	.5
45	MP-9	Z	-.015	2.5
46	MP-10	Z	-.032	.5
47	MP-11	Z	-.032	.5
48	MP-12	Z	-.011	.5
49	MP-12	Z	-.015	2.5
50	GSI1	Z	-.019	2
51	MP-1	Z	-.016	4
52	MP-2	Z	-.027	5.5
53	MP-3	Z	-.027	5.5
54	MP-4	Z	-.016	4
55	MP-5	Z	-.016	4
56	MP-6	Z	-.027	5.5
57	MP-7	Z	-.027	5.5
58	MP-8	Z	-.016	4
59	MP-9	Z	-.011	4
60	MP-10	Z	-.032	5.5
61	MP-11	Z	-.032	5.5
62	MP-12	Z	-.011	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.021	.5
2	MP-1	Z	-.012	2.5
3	MP-2	Z	-.029	.5
4	MP-3	Z	-.029	.5
5	MP-4	Z	-.021	.5
6	MP-4	Z	-.01	2.5
7	MP-5	Z	-.021	.5
8	MP-5	Z	-.012	2.5
9	MP-6	Z	-.029	.5
10	MP-7	Z	-.029	.5
11	MP-8	Z	-.021	.5
12	MP-8	Z	-.01	2.5
13	MP-9	Z	-.021	.5
14	MP-9	Z	-.012	2.5
15	MP-10	Z	-.029	.5
16	MP-11	Z	-.029	.5
17	MP-12	Z	-.021	.5
18	MP-12	Z	-.01	2.5
19	GSI1	Z	-.02	2
20	MP-1	Z	-.021	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
21	MP-2	Z	-.029	5.5
22	MP-3	Z	-.029	5.5
23	MP-4	Z	-.021	4
24	MP-5	Z	-.021	4
25	MP-6	Z	-.029	5.5
26	MP-7	Z	-.029	5.5
27	MP-8	Z	-.021	4
28	MP-9	Z	-.021	4
29	MP-10	Z	-.029	5.5
30	MP-11	Z	-.029	5.5
31	MP-12	Z	-.021	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.009	.5
2	MP-1	X	.007	2.5
3	MP-2	X	.015	.5
4	MP-3	X	.015	.5
5	MP-4	X	.009	.5
6	MP-4	X	.006	2.5
7	MP-5	X	.006	.5
8	MP-5	X	.008	2.5
9	MP-6	X	.018	.5
10	MP-7	X	.018	.5
11	MP-8	X	.006	.5
12	MP-8	X	.008	2.5
13	MP-9	X	.009	.5
14	MP-9	X	.007	2.5
15	MP-10	X	.015	.5
16	MP-11	X	.015	.5
17	MP-12	X	.009	.5
18	MP-12	X	.006	2.5
19	GSI1	X	.011	2
20	MP-1	X	.009	4
21	MP-2	X	.015	5.5
22	MP-3	X	.015	5.5
23	MP-4	X	.009	4
24	MP-5	X	.006	4
25	MP-6	X	.018	5.5
26	MP-7	X	.018	5.5
27	MP-8	X	.006	4
28	MP-9	X	.009	4
29	MP-10	X	.015	5.5
30	MP-11	X	.015	5.5
31	MP-12	X	.009	4
32	MP-1	Z	-.016	.5
33	MP-1	Z	-.012	2.5
34	MP-2	Z	-.027	.5
35	MP-3	Z	-.027	.5
36	MP-4	Z	-.016	.5
37	MP-4	Z	-.01	2.5
38	MP-5	Z	-.011	.5
39	MP-5	Z	-.015	2.5
40	MP-6	Z	-.032	.5
41	MP-7	Z	-.032	.5
42	MP-8	Z	-.011	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
43	MP-8	Z	-.015	2.5
44	MP-9	Z	-.016	.5
45	MP-9	Z	-.012	2.5
46	MP-10	Z	-.027	.5
47	MP-11	Z	-.027	.5
48	MP-12	Z	-.016	.5
49	MP-12	Z	-.01	2.5
50	GSI1	Z	-.019	2
51	MP-1	Z	-.016	4
52	MP-2	Z	-.027	5.5
53	MP-3	Z	-.027	5.5
54	MP-4	Z	-.016	4
55	MP-5	Z	-.011	4
56	MP-6	Z	-.032	5.5
57	MP-7	Z	-.032	5.5
58	MP-8	Z	-.011	4
59	MP-9	Z	-.016	4
60	MP-10	Z	-.027	5.5
61	MP-11	Z	-.027	5.5
62	MP-12	Z	-.016	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.012	.5
2	MP-1	X	.01	2.5
3	MP-2	X	.023	.5
4	MP-3	X	.023	.5
5	MP-4	X	.012	.5
6	MP-4	X	.01	2.5
7	MP-5	X	.009	.5
8	MP-5	X	.012	2.5
9	MP-6	X	.025	.5
10	MP-7	X	.025	.5
11	MP-8	X	.009	.5
12	MP-8	X	.012	2.5
13	MP-9	X	.015	.5
14	MP-9	X	.009	2.5
15	MP-10	X	.021	.5
16	MP-11	X	.021	.5
17	MP-12	X	.015	.5
18	MP-12	X	.008	2.5
19	GSI1	X	.017	2
20	MP-1	X	.012	4
21	MP-2	X	.023	5.5
22	MP-3	X	.023	5.5
23	MP-4	X	.012	4
24	MP-5	X	.009	4
25	MP-6	X	.025	5.5
26	MP-7	X	.025	5.5
27	MP-8	X	.009	4
28	MP-9	X	.015	4
29	MP-10	X	.021	5.5
30	MP-11	X	.021	5.5
31	MP-12	X	.015	4
32	MP-1	Z	-.012	.5
33	MP-1	Z	-.01	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
34	MP-2	Z	-.023	.5
35	MP-3	Z	-.023	.5
36	MP-4	Z	-.012	.5
37	MP-4	Z	-.01	2.5
38	MP-5	Z	-.009	.5
39	MP-5	Z	-.012	2.5
40	MP-6	Z	-.025	.5
41	MP-7	Z	-.025	.5
42	MP-8	Z	-.009	.5
43	MP-8	Z	-.012	2.5
44	MP-9	Z	-.015	.5
45	MP-9	Z	-.009	2.5
46	MP-10	Z	-.021	.5
47	MP-11	Z	-.021	.5
48	MP-12	Z	-.015	.5
49	MP-12	Z	-.008	2.5
50	GSI1	Z	-.017	2
51	MP-1	Z	-.012	4
52	MP-2	Z	-.023	5.5
53	MP-3	Z	-.023	5.5
54	MP-4	Z	-.012	4
55	MP-5	Z	-.009	4
56	MP-6	Z	-.025	5.5
57	MP-7	Z	-.025	5.5
58	MP-8	Z	-.009	4
59	MP-9	Z	-.015	4
60	MP-10	Z	-.021	5.5
61	MP-11	Z	-.021	5.5
62	MP-12	Z	-.015	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.013	.5
2	MP-1	X	.014	2.5
3	MP-2	X	.03	.5
4	MP-3	X	.03	.5
5	MP-4	X	.013	.5
6	MP-4	X	.013	2.5
7	MP-5	X	.013	.5
8	MP-5	X	.014	2.5
9	MP-6	X	.03	.5
10	MP-7	X	.03	.5
11	MP-8	X	.013	.5
12	MP-8	X	.013	2.5
13	MP-9	X	.018	.5
14	MP-9	X	.011	2.5
15	MP-10	X	.025	.5
16	MP-11	X	.025	.5
17	MP-12	X	.018	.5
18	MP-12	X	.009	2.5
19	GSI1	X	.022	2
20	MP-1	X	.013	4
21	MP-2	X	.03	5.5
22	MP-3	X	.03	5.5
23	MP-4	X	.013	4
24	MP-5	X	.013	4

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP-6	X	.03	5.5
26	MP-7	X	.03	5.5
27	MP-8	X	.013	4
28	MP-9	X	.018	4
29	MP-10	X	.025	5.5
30	MP-11	X	.025	5.5
31	MP-12	X	.018	4
32	MP-1	Z	-.007	.5
33	MP-1	Z	-.008	2.5
34	MP-2	Z	-.017	.5
35	MP-3	Z	-.017	.5
36	MP-4	Z	-.007	.5
37	MP-4	Z	-.008	2.5
38	MP-5	Z	-.007	.5
39	MP-5	Z	-.008	2.5
40	MP-6	Z	-.017	.5
41	MP-7	Z	-.017	.5
42	MP-8	Z	-.007	.5
43	MP-8	Z	-.008	2.5
44	MP-9	Z	-.011	.5
45	MP-9	Z	-.006	2.5
46	MP-10	Z	-.014	.5
47	MP-11	Z	-.014	.5
48	MP-12	Z	-.011	.5
49	MP-12	Z	-.005	2.5
50	GSI1	Z	-.013	2
51	MP-1	Z	-.007	4
52	MP-2	Z	-.017	5.5
53	MP-3	Z	-.017	5.5
54	MP-4	Z	-.007	4
55	MP-5	Z	-.007	4
56	MP-6	Z	-.017	5.5
57	MP-7	Z	-.017	5.5
58	MP-8	Z	-.007	4
59	MP-9	Z	-.011	4
60	MP-10	Z	-.014	5.5
61	MP-11	Z	-.014	5.5
62	MP-12	Z	-.011	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.012	.5
2	MP-1	X	.017	2.5
3	MP-2	X	.037	.5
4	MP-3	X	.037	.5
5	MP-4	X	.012	.5
6	MP-4	X	.017	2.5
7	MP-5	X	.012	.5
8	MP-5	X	.017	2.5
9	MP-6	X	.037	.5
10	MP-7	X	.037	.5
11	MP-8	X	.012	.5
12	MP-8	X	.017	2.5
13	MP-9	X	.012	.5
14	MP-9	X	.017	2.5
15	MP-10	X	.037	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP-11	X	.037	.5
17	MP-12	X	.012	.5
18	MP-12	X	.017	2.5
19	GSI1	X	.027	2
20	MP-1	X	.012	4
21	MP-2	X	.037	5.5
22	MP-3	X	.037	5.5
23	MP-4	X	.012	4
24	MP-5	X	.012	4
25	MP-6	X	.037	5.5
26	MP-7	X	.037	5.5
27	MP-8	X	.012	4
28	MP-9	X	.012	4
29	MP-10	X	.037	5.5
30	MP-11	X	.037	5.5
31	MP-12	X	.012	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.013	.5
2	MP-1	X	.014	2.5
3	MP-2	X	.03	.5
4	MP-3	X	.03	.5
5	MP-4	X	.013	.5
6	MP-4	X	.013	2.5
7	MP-5	X	.018	.5
8	MP-5	X	.011	2.5
9	MP-6	X	.025	.5
10	MP-7	X	.025	.5
11	MP-8	X	.018	.5
12	MP-8	X	.009	2.5
13	MP-9	X	.013	.5
14	MP-9	X	.014	2.5
15	MP-10	X	.03	.5
16	MP-11	X	.03	.5
17	MP-12	X	.013	.5
18	MP-12	X	.013	2.5
19	GSI1	X	.022	2
20	MP-1	X	.013	4
21	MP-2	X	.03	5.5
22	MP-3	X	.03	5.5
23	MP-4	X	.013	4
24	MP-5	X	.018	4
25	MP-6	X	.025	5.5
26	MP-7	X	.025	5.5
27	MP-8	X	.018	4
28	MP-9	X	.013	4
29	MP-10	X	.03	5.5
30	MP-11	X	.03	5.5
31	MP-12	X	.013	4
32	MP-1	Z	.007	.5
33	MP-1	Z	.008	2.5
34	MP-2	Z	.017	.5
35	MP-3	Z	.017	.5
36	MP-4	Z	.007	.5
37	MP-4	Z	.008	2.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP-5	Z	.011	.5
39	MP-5	Z	.006	2.5
40	MP-6	Z	.014	.5
41	MP-7	Z	.014	.5
42	MP-8	Z	.011	.5
43	MP-8	Z	.005	2.5
44	MP-9	Z	.007	.5
45	MP-9	Z	.008	2.5
46	MP-10	Z	.017	.5
47	MP-11	Z	.017	.5
48	MP-12	Z	.007	.5
49	MP-12	Z	.008	2.5
50	GSI1	Z	.013	2
51	MP-1	Z	.007	4
52	MP-2	Z	.017	5.5
53	MP-3	Z	.017	5.5
54	MP-4	Z	.007	4
55	MP-5	Z	.011	4
56	MP-6	Z	.014	5.5
57	MP-7	Z	.014	5.5
58	MP-8	Z	.011	4
59	MP-9	Z	.007	4
60	MP-10	Z	.017	5.5
61	MP-11	Z	.017	5.5
62	MP-12	Z	.007	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.012	.5
2	MP-1	X	.01	2.5
3	MP-2	X	.023	.5
4	MP-3	X	.023	.5
5	MP-4	X	.012	.5
6	MP-4	X	.01	2.5
7	MP-5	X	.015	.5
8	MP-5	X	.009	2.5
9	MP-6	X	.021	.5
10	MP-7	X	.021	.5
11	MP-8	X	.015	.5
12	MP-8	X	.008	2.5
13	MP-9	X	.009	.5
14	MP-9	X	.012	2.5
15	MP-10	X	.025	.5
16	MP-11	X	.025	.5
17	MP-12	X	.009	.5
18	MP-12	X	.012	2.5
19	GSI1	X	.017	2
20	MP-1	X	.012	4
21	MP-2	X	.023	5.5
22	MP-3	X	.023	5.5
23	MP-4	X	.012	4
24	MP-5	X	.015	4
25	MP-6	X	.021	5.5
26	MP-7	X	.021	5.5
27	MP-8	X	.015	4
28	MP-9	X	.009	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
29	MP-10	X	.025	5.5
30	MP-11	X	.025	5.5
31	MP-12	X	.009	4
32	MP-1	Z	.012	.5
33	MP-1	Z	.01	2.5
34	MP-2	Z	.023	.5
35	MP-3	Z	.023	.5
36	MP-4	Z	.012	.5
37	MP-4	Z	.01	2.5
38	MP-5	Z	.015	.5
39	MP-5	Z	.009	2.5
40	MP-6	Z	.021	.5
41	MP-7	Z	.021	.5
42	MP-8	Z	.015	.5
43	MP-8	Z	.008	2.5
44	MP-9	Z	.009	.5
45	MP-9	Z	.012	2.5
46	MP-10	Z	.025	.5
47	MP-11	Z	.025	.5
48	MP-12	Z	.009	.5
49	MP-12	Z	.012	2.5
50	GSI1	Z	.017	2
51	MP-1	Z	.012	4
52	MP-2	Z	.023	5.5
53	MP-3	Z	.023	5.5
54	MP-4	Z	.012	4
55	MP-5	Z	.015	4
56	MP-6	Z	.021	5.5
57	MP-7	Z	.021	5.5
58	MP-8	Z	.015	4
59	MP-9	Z	.009	4
60	MP-10	Z	.025	5.5
61	MP-11	Z	.025	5.5
62	MP-12	Z	.009	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.009	.5
2	MP-1	X	.007	2.5
3	MP-2	X	.015	.5
4	MP-3	X	.015	.5
5	MP-4	X	.009	.5
6	MP-4	X	.006	2.5
7	MP-5	X	.009	.5
8	MP-5	X	.007	2.5
9	MP-6	X	.015	.5
10	MP-7	X	.015	.5
11	MP-8	X	.009	.5
12	MP-8	X	.006	2.5
13	MP-9	X	.006	.5
14	MP-9	X	.008	2.5
15	MP-10	X	.018	.5
16	MP-11	X	.018	.5
17	MP-12	X	.006	.5
18	MP-12	X	.008	2.5
19	GSI1	X	.011	2

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP-1	X	.009	4
21	MP-2	X	.015	5.5
22	MP-3	X	.015	5.5
23	MP-4	X	.009	4
24	MP-5	X	.009	4
25	MP-6	X	.015	5.5
26	MP-7	X	.015	5.5
27	MP-8	X	.009	4
28	MP-9	X	.006	4
29	MP-10	X	.018	5.5
30	MP-11	X	.018	5.5
31	MP-12	X	.006	4
32	MP-1	Z	.016	.5
33	MP-1	Z	.012	2.5
34	MP-2	Z	.027	.5
35	MP-3	Z	.027	.5
36	MP-4	Z	.016	.5
37	MP-4	Z	.01	2.5
38	MP-5	Z	.016	.5
39	MP-5	Z	.012	2.5
40	MP-6	Z	.027	.5
41	MP-7	Z	.027	.5
42	MP-8	Z	.016	.5
43	MP-8	Z	.01	2.5
44	MP-9	Z	.011	.5
45	MP-9	Z	.015	2.5
46	MP-10	Z	.032	.5
47	MP-11	Z	.032	.5
48	MP-12	Z	.011	.5
49	MP-12	Z	.015	2.5
50	GSI1	Z	.019	2
51	MP-1	Z	.016	4
52	MP-2	Z	.027	5.5
53	MP-3	Z	.027	5.5
54	MP-4	Z	.016	4
55	MP-5	Z	.016	4
56	MP-6	Z	.027	5.5
57	MP-7	Z	.027	5.5
58	MP-8	Z	.016	4
59	MP-9	Z	.011	4
60	MP-10	Z	.032	5.5
61	MP-11	Z	.032	5.5
62	MP-12	Z	.011	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.021	.5
2	MP-1	Z	.012	2.5
3	MP-2	Z	.029	.5
4	MP-3	Z	.029	.5
5	MP-4	Z	.021	.5
6	MP-4	Z	.01	2.5
7	MP-5	Z	.021	.5
8	MP-5	Z	.012	2.5
9	MP-6	Z	.029	.5
10	MP-7	Z	.029	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP-8	Z	.021	.5
12	MP-8	Z	.01	2.5
13	MP-9	Z	.021	.5
14	MP-9	Z	.012	2.5
15	MP-10	Z	.029	.5
16	MP-11	Z	.029	.5
17	MP-12	Z	.021	.5
18	MP-12	Z	.01	2.5
19	GSI1	Z	.02	2
20	MP-1	Z	.021	4
21	MP-2	Z	.029	5.5
22	MP-3	Z	.029	5.5
23	MP-4	Z	.021	4
24	MP-5	Z	.021	4
25	MP-6	Z	.029	5.5
26	MP-7	Z	.029	5.5
27	MP-8	Z	.021	4
28	MP-9	Z	.021	4
29	MP-10	Z	.029	5.5
30	MP-11	Z	.029	5.5
31	MP-12	Z	.021	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.009	.5
2	MP-1	X	-.007	2.5
3	MP-2	X	-.015	.5
4	MP-3	X	-.015	.5
5	MP-4	X	-.009	.5
6	MP-4	X	-.006	2.5
7	MP-5	X	-.006	.5
8	MP-5	X	-.008	2.5
9	MP-6	X	-.018	.5
10	MP-7	X	-.018	.5
11	MP-8	X	-.006	.5
12	MP-8	X	-.008	2.5
13	MP-9	X	-.009	.5
14	MP-9	X	-.007	2.5
15	MP-10	X	-.015	.5
16	MP-11	X	-.015	.5
17	MP-12	X	-.009	.5
18	MP-12	X	-.006	2.5
19	GSI1	X	-.011	2
20	MP-1	X	-.009	4
21	MP-2	X	-.015	5.5
22	MP-3	X	-.015	5.5
23	MP-4	X	-.009	4
24	MP-5	X	-.006	4
25	MP-6	X	-.018	5.5
26	MP-7	X	-.018	5.5
27	MP-8	X	-.006	4
28	MP-9	X	-.009	4
29	MP-10	X	-.015	5.5
30	MP-11	X	-.015	5.5
31	MP-12	X	-.009	4
32	MP-1	Z	.016	.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP-1	Z	.012	2.5
34	MP-2	Z	.027	.5
35	MP-3	Z	.027	.5
36	MP-4	Z	.016	.5
37	MP-4	Z	.01	2.5
38	MP-5	Z	.011	.5
39	MP-5	Z	.015	2.5
40	MP-6	Z	.032	.5
41	MP-7	Z	.032	.5
42	MP-8	Z	.011	.5
43	MP-8	Z	.015	2.5
44	MP-9	Z	.016	.5
45	MP-9	Z	.012	2.5
46	MP-10	Z	.027	.5
47	MP-11	Z	.027	.5
48	MP-12	Z	.016	.5
49	MP-12	Z	.01	2.5
50	GSI1	Z	.019	2
51	MP-1	Z	.016	4
52	MP-2	Z	.027	5.5
53	MP-3	Z	.027	5.5
54	MP-4	Z	.016	4
55	MP-5	Z	.011	4
56	MP-6	Z	.032	5.5
57	MP-7	Z	.032	5.5
58	MP-8	Z	.011	4
59	MP-9	Z	.016	4
60	MP-10	Z	.027	5.5
61	MP-11	Z	.027	5.5
62	MP-12	Z	.016	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.012	.5
2	MP-1	X	-.01	2.5
3	MP-2	X	-.023	.5
4	MP-3	X	-.023	.5
5	MP-4	X	-.012	.5
6	MP-4	X	-.01	2.5
7	MP-5	X	-.009	.5
8	MP-5	X	-.012	2.5
9	MP-6	X	-.025	.5
10	MP-7	X	-.025	.5
11	MP-8	X	-.009	.5
12	MP-8	X	-.012	2.5
13	MP-9	X	-.015	.5
14	MP-9	X	-.009	2.5
15	MP-10	X	-.021	.5
16	MP-11	X	-.021	.5
17	MP-12	X	-.015	.5
18	MP-12	X	-.008	2.5
19	GSI1	X	-.017	2
20	MP-1	X	-.012	4
21	MP-2	X	-.023	5.5
22	MP-3	X	-.023	5.5
23	MP-4	X	-.012	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP-5	X	-.009	4
25	MP-6	X	-.025	5.5
26	MP-7	X	-.025	5.5
27	MP-8	X	-.009	4
28	MP-9	X	-.015	4
29	MP-10	X	-.021	5.5
30	MP-11	X	-.021	5.5
31	MP-12	X	-.015	4
32	MP-1	Z	.012	.5
33	MP-1	Z	.01	2.5
34	MP-2	Z	.023	.5
35	MP-3	Z	.023	.5
36	MP-4	Z	.012	.5
37	MP-4	Z	.01	2.5
38	MP-5	Z	.009	.5
39	MP-5	Z	.012	2.5
40	MP-6	Z	.025	.5
41	MP-7	Z	.025	.5
42	MP-8	Z	.009	.5
43	MP-8	Z	.012	2.5
44	MP-9	Z	.015	.5
45	MP-9	Z	.009	2.5
46	MP-10	Z	.021	.5
47	MP-11	Z	.021	.5
48	MP-12	Z	.015	.5
49	MP-12	Z	.008	2.5
50	GSI1	Z	.017	2
51	MP-1	Z	.012	4
52	MP-2	Z	.023	5.5
53	MP-3	Z	.023	5.5
54	MP-4	Z	.012	4
55	MP-5	Z	.009	4
56	MP-6	Z	.025	5.5
57	MP-7	Z	.025	5.5
58	MP-8	Z	.009	4
59	MP-9	Z	.015	4
60	MP-10	Z	.021	5.5
61	MP-11	Z	.021	5.5
62	MP-12	Z	.015	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.013	.5
2	MP-1	X	-.014	2.5
3	MP-2	X	-.03	.5
4	MP-3	X	-.03	.5
5	MP-4	X	-.013	.5
6	MP-4	X	-.013	2.5
7	MP-5	X	-.013	.5
8	MP-5	X	-.014	2.5
9	MP-6	X	-.03	.5
10	MP-7	X	-.03	.5
11	MP-8	X	-.013	.5
12	MP-8	X	-.013	2.5
13	MP-9	X	-.018	.5
14	MP-9	X	-.011	2.5

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP-10	X	-.025	.5
16	MP-11	X	-.025	.5
17	MP-12	X	-.018	.5
18	MP-12	X	-.009	2.5
19	GSI1	X	-.022	2
20	MP-1	X	-.013	4
21	MP-2	X	-.03	5.5
22	MP-3	X	-.03	5.5
23	MP-4	X	-.013	4
24	MP-5	X	-.013	4
25	MP-6	X	-.03	5.5
26	MP-7	X	-.03	5.5
27	MP-8	X	-.013	4
28	MP-9	X	-.018	4
29	MP-10	X	-.025	5.5
30	MP-11	X	-.025	5.5
31	MP-12	X	-.018	4
32	MP-1	Z	.007	.5
33	MP-1	Z	.008	2.5
34	MP-2	Z	.017	.5
35	MP-3	Z	.017	.5
36	MP-4	Z	.007	.5
37	MP-4	Z	.008	2.5
38	MP-5	Z	.007	.5
39	MP-5	Z	.008	2.5
40	MP-6	Z	.017	.5
41	MP-7	Z	.017	.5
42	MP-8	Z	.007	.5
43	MP-8	Z	.008	2.5
44	MP-9	Z	.011	.5
45	MP-9	Z	.006	2.5
46	MP-10	Z	.014	.5
47	MP-11	Z	.014	.5
48	MP-12	Z	.011	.5
49	MP-12	Z	.005	2.5
50	GSI1	Z	.013	2
51	MP-1	Z	.007	4
52	MP-2	Z	.017	5.5
53	MP-3	Z	.017	5.5
54	MP-4	Z	.007	4
55	MP-5	Z	.007	4
56	MP-6	Z	.017	5.5
57	MP-7	Z	.017	5.5
58	MP-8	Z	.007	4
59	MP-9	Z	.011	4
60	MP-10	Z	.014	5.5
61	MP-11	Z	.014	5.5
62	MP-12	Z	.011	4

Member Point Loads (BLC 37 : Seismic Load X)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.006	.5
2	MP-1	X	-.084	2.5
3	MP-2	X	-.03	.5
4	MP-3	X	-.03	.5
5	MP-4	X	-.006	.5

Member Point Loads (BLC 37 : Seismic Load X) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP-4	X	-.07	2.5
7	MP-5	X	-.006	.5
8	MP-5	X	-.084	2.5
9	MP-6	X	-.03	.5
10	MP-7	X	-.03	.5
11	MP-8	X	-.006	.5
12	MP-8	X	-.07	2.5
13	MP-9	X	-.006	.5
14	MP-9	X	-.084	2.5
15	MP-10	X	-.03	.5
16	MP-11	X	-.03	.5
17	MP-12	X	-.006	.5
18	MP-12	X	-.07	2.5
19	GSI1	X	-.021	2
20	MP-1	X	-.006	4
21	MP-2	X	-.03	5.5
22	MP-3	X	-.03	5.5
23	MP-4	X	-.006	4
24	MP-5	X	-.006	4
25	MP-6	X	-.03	5.5
26	MP-7	X	-.03	5.5
27	MP-8	X	-.006	4
28	MP-9	X	-.006	4
29	MP-10	X	-.03	5.5
30	MP-11	X	-.03	5.5
31	MP-12	X	-.006	4

Member Point Loads (BLC 38 : Seismic Load Z)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.006	.5
2	MP-1	Z	-.084	2.5
3	MP-2	Z	-.03	.5
4	MP-3	Z	-.03	.5
5	MP-4	Z	-.006	.5
6	MP-4	Z	-.07	2.5
7	MP-5	Z	-.006	.5
8	MP-5	Z	-.084	2.5
9	MP-6	Z	-.03	.5
10	MP-7	Z	-.03	.5
11	MP-8	Z	-.006	.5
12	MP-8	Z	-.07	2.5
13	MP-9	Z	-.006	.5
14	MP-9	Z	-.084	2.5
15	MP-10	Z	-.03	.5
16	MP-11	Z	-.03	.5
17	MP-12	Z	-.006	.5
18	MP-12	Z	-.07	2.5
19	GSI1	Z	-.021	2
20	MP-1	Z	-.006	4
21	MP-2	Z	-.03	5.5
22	MP-3	Z	-.03	5.5
23	MP-4	Z	-.006	4
24	MP-5	Z	-.006	4
25	MP-6	Z	-.03	5.5
26	MP-7	Z	-.03	5.5
27	MP-8	Z	-.006	4

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP-9	Z	-.006	4
29	MP-10	Z	-.03	5.5
30	MP-11	Z	-.03	5.5
31	MP-12	Z	-.006	4

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

	Member L...	Direct...	Start Magnitude[k/ft,F...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.033	-.033	0	%100
2	GSI1	X	-.011	-.011	0	%100
3	GSI2	X	-.011	-.011	0	%100
4	GSI3	X	-.026	-.026	0	%100
5	IS-1	X	-.023	-.023	0	%100
6	IS-2	X	0	0	0	%100
7	PL1	X	-.004	-.004	0	%100
8	PL2	X	-.004	-.004	0	%100
9	PL3	X	0	0	0	%100
10	SF1-H2	X	-.013	-.013	0	%100
11	SF2-H2	X	-.013	-.013	0	%100
12	FF-HR	X	-.02	-.02	0	%100
13	SF1-HR	X	-.009	-.009	0	%100
14	SF2-HR	X	-.009	-.009	0	%100
15	HR-V2	X	-.011	-.011	0	%100
16	HR-V3	X	-.011	-.011	0	%100
17	HR-H1	X	-.011	-.011	0	%100
18	HR-D1	X	-.012	-.012	0	%100
19	HR-D2	X	-.012	-.012	0	%100
20	HR-V10	X	-.011	-.011	0	%100
21	HR-V11	X	-.011	-.011	0	%100
22	HR-H3	X	-.004	-.004	0	%100
23	HR-D5	X	-.012	-.012	0	%100
24	HR-D6	X	-.012	-.012	0	%100
25	HR-V6	X	-.011	-.011	0	%100
26	HR-V7	X	-.011	-.011	0	%100
27	HR-H2	X	-.004	-.004	0	%100
28	HR-D3	X	-.012	-.012	0	%100
29	HR-D4	X	-.012	-.012	0	%100
30	HR-V1	X	-.011	-.011	0	%100
31	HR-V4	X	-.011	-.011	0	%100
32	HR-V9	X	-.011	-.011	0	%100
33	HR-V12	X	-.011	-.011	0	%100
34	HR-V5	X	-.011	-.011	0	%100
35	HR-V8	X	-.011	-.011	0	%100
36	MP-1	X	-.009	-.009	0	%100
37	MP-2	X	-.009	-.009	0	%100
38	MP-3	X	-.009	-.009	0	%100
39	MP-4	X	-.009	-.009	0	%100
40	MP-9	X	-.009	-.009	0	%100
41	MP-10	X	-.009	-.009	0	%100
42	MP-11	X	-.009	-.009	0	%100
43	MP-12	X	-.009	-.009	0	%100
44	MP-5	X	-.009	-.009	0	%100
45	MP-6	X	-.009	-.009	0	%100
46	MP-7	X	-.009	-.009	0	%100
47	MP-8	X	-.009	-.009	0	%100
48	MP-4B	X	-.009	-.009	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.025	-.025	0	%100
2	GSI1	X	-.017	-.017	0	%100
3	GSI2	X	0	0	0	%100
4	GSI3	X	-.019	-.019	0	%100
5	IS-1	X	-.017	-.017	0	%100
6	IS-2	X	-.009	-.009	0	%100
7	PL1	X	-.002	-.002	0	%100
8	PL2	X	-.004	-.004	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	-.02	-.02	0	%100
11	SF2-H2	X	0	0	0	%100
12	FF-HR	X	-.015	-.015	0	%100
13	SF1-HR	X	-.014	-.014	0	%100
14	SF2-HR	X	0	0	0	%100
15	HR-V2	X	-.009	-.009	0	%100
16	HR-V3	X	-.009	-.009	0	%100
17	HR-H1	X	-.008	-.008	0	%100
18	HR-D1	X	-.01	-.01	0	%100
19	HR-D2	X	-.01	-.01	0	%100
20	HR-V10	X	-.009	-.009	0	%100
21	HR-V11	X	-.009	-.009	0	%100
22	HR-H3	X	-.007	-.007	0	%100
23	HR-D5	X	-.01	-.01	0	%100
24	HR-D6	X	-.01	-.01	0	%100
25	HR-V6	X	-.009	-.009	0	%100
26	HR-V7	X	-.009	-.009	0	%100
27	HR-H2	X	0	0	0	%100
28	HR-D3	X	-.01	-.01	0	%100
29	HR-D4	X	-.01	-.01	0	%100
30	HR-V1	X	-.009	-.009	0	%100
31	HR-V4	X	-.009	-.009	0	%100
32	HR-V9	X	-.009	-.009	0	%100
33	HR-V12	X	-.009	-.009	0	%100
34	HR-V5	X	-.009	-.009	0	%100
35	HR-V8	X	-.009	-.009	0	%100
36	MP-1	X	-.008	-.008	0	%100
37	MP-2	X	-.008	-.008	0	%100
38	MP-3	X	-.008	-.008	0	%100
39	MP-4	X	-.008	-.008	0	%100
40	MP-9	X	-.008	-.008	0	%100
41	MP-10	X	-.008	-.008	0	%100
42	MP-11	X	-.008	-.008	0	%100
43	MP-12	X	-.008	-.008	0	%100
44	MP-5	X	-.008	-.008	0	%100
45	MP-6	X	-.008	-.008	0	%100
46	MP-7	X	-.008	-.008	0	%100
47	MP-8	X	-.008	-.008	0	%100
48	MP-4B	X	-.008	-.008	0	%100
49	FF-H2	Z	-.014	-.014	0	%100
50	GSI1	Z	-.011	-.011	0	%100
51	GSI2	Z	0	0	0	%100
52	GSI3	Z	-.011	-.011	0	%100
53	IS-1	Z	-.01	-.01	0	%100
54	IS-2	Z	-.005	-.005	0	%100
55	PL1	Z	-.001	-.001	0	%100
56	PL2	Z	-.002	-.002	0	%100
57	PL3	Z	-.001	-.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
58	SF1-H2	Z	-.014	-.014	0	%100
59	SF2-H2	Z	0	0	0	%100
60	FF-HR	Z	-.009	-.009	0	%100
61	SF1-HR	Z	-.009	-.009	0	%100
62	SF2-HR	Z	0	0	0	%100
63	HR-V2	Z	-.005	-.005	0	%100
64	HR-V3	Z	-.005	-.005	0	%100
65	HR-H1	Z	-.005	-.005	0	%100
66	HR-D1	Z	-.006	-.006	0	%100
67	HR-D2	Z	-.006	-.006	0	%100
68	HR-V10	Z	-.005	-.005	0	%100
69	HR-V11	Z	-.005	-.005	0	%100
70	HR-H3	Z	-.004	-.004	0	%100
71	HR-D5	Z	-.006	-.006	0	%100
72	HR-D6	Z	-.006	-.006	0	%100
73	HR-V6	Z	-.005	-.005	0	%100
74	HR-V7	Z	-.005	-.005	0	%100
75	HR-H2	Z	0	0	0	%100
76	HR-D3	Z	-.006	-.006	0	%100
77	HR-D4	Z	-.006	-.006	0	%100
78	HR-V1	Z	-.005	-.005	0	%100
79	HR-V4	Z	-.005	-.005	0	%100
80	HR-V9	Z	-.005	-.005	0	%100
81	HR-V12	Z	-.005	-.005	0	%100
82	HR-V5	Z	-.005	-.005	0	%100
83	HR-V8	Z	-.005	-.005	0	%100
84	MP-1	Z	-.005	-.005	0	%100
85	MP-2	Z	-.005	-.005	0	%100
86	MP-3	Z	-.005	-.005	0	%100
87	MP-4	Z	-.005	-.005	0	%100
88	MP-9	Z	-.005	-.005	0	%100
89	MP-10	Z	-.005	-.005	0	%100
90	MP-11	Z	-.005	-.005	0	%100
91	MP-12	Z	-.005	-.005	0	%100
92	MP-5	Z	-.005	-.005	0	%100
93	MP-6	Z	-.005	-.005	0	%100
94	MP-7	Z	-.005	-.005	0	%100
95	MP-8	Z	-.005	-.005	0	%100
96	MP-4B	Z	-.005	-.005	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.017	-.017	0	%100
2	GSI1	X	-.015	-.015	0	%100
3	GSI2	X	-.004	-.004	0	%100
4	GSI3	X	-.013	-.013	0	%100
5	IS-1	X	-.012	-.012	0	%100
6	IS-2	X	-.01	-.01	0	%100
7	PL1	X	-.000863	-.000863	0	%100
8	PL2	X	-.003	-.003	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	-.018	-.018	0	%100
11	SF2-H2	X	-.005	-.005	0	%100
12	FF-HR	X	-.01	-.01	0	%100
13	SF1-HR	X	-.013	-.013	0	%100
14	SF2-HR	X	-.003	-.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
15	HR-V2	X	-.008	-.008	0	%100
16	HR-V3	X	-.008	-.008	0	%100
17	HR-H1	X	-.005	-.005	0	%100
18	HR-D1	X	-.008	-.008	0	%100
19	HR-D2	X	-.008	-.008	0	%100
20	HR-V10	X	-.008	-.008	0	%100
21	HR-V11	X	-.008	-.008	0	%100
22	HR-H3	X	-.006	-.006	0	%100
23	HR-D5	X	-.008	-.008	0	%100
24	HR-D6	X	-.008	-.008	0	%100
25	HR-V6	X	-.008	-.008	0	%100
26	HR-V7	X	-.008	-.008	0	%100
27	HR-H2	X	-.002	-.002	0	%100
28	HR-D3	X	-.008	-.008	0	%100
29	HR-D4	X	-.008	-.008	0	%100
30	HR-V1	X	-.008	-.008	0	%100
31	HR-V4	X	-.008	-.008	0	%100
32	HR-V9	X	-.008	-.008	0	%100
33	HR-V12	X	-.008	-.008	0	%100
34	HR-V5	X	-.008	-.008	0	%100
35	HR-V8	X	-.008	-.008	0	%100
36	MP-1	X	-.007	-.007	0	%100
37	MP-2	X	-.007	-.007	0	%100
38	MP-3	X	-.007	-.007	0	%100
39	MP-4	X	-.007	-.007	0	%100
40	MP-9	X	-.007	-.007	0	%100
41	MP-10	X	-.007	-.007	0	%100
42	MP-11	X	-.007	-.007	0	%100
43	MP-12	X	-.007	-.007	0	%100
44	MP-5	X	-.007	-.007	0	%100
45	MP-6	X	-.007	-.007	0	%100
46	MP-7	X	-.007	-.007	0	%100
47	MP-8	X	-.007	-.007	0	%100
48	MP-4B	X	-.007	-.007	0	%100
49	FF-H2	Z	-.017	-.017	0	%100
50	GSI1	Z	-.017	-.017	0	%100
51	GSI2	Z	-.005	-.005	0	%100
52	GSI3	Z	-.013	-.013	0	%100
53	IS-1	Z	-.012	-.012	0	%100
54	IS-2	Z	-.011	-.011	0	%100
55	PL1	Z	-.000779	-.000779	0	%100
56	PL2	Z	-.003	-.003	0	%100
57	PL3	Z	-.002	-.002	0	%100
58	SF1-H2	Z	-.021	-.021	0	%100
59	SF2-H2	Z	-.006	-.006	0	%100
60	FF-HR	Z	-.01	-.01	0	%100
61	SF1-HR	Z	-.014	-.014	0	%100
62	SF2-HR	Z	-.004	-.004	0	%100
63	HR-V2	Z	-.008	-.008	0	%100
64	HR-V3	Z	-.008	-.008	0	%100
65	HR-H1	Z	-.005	-.005	0	%100
66	HR-D1	Z	-.008	-.008	0	%100
67	HR-D2	Z	-.008	-.008	0	%100
68	HR-V10	Z	-.008	-.008	0	%100
69	HR-V11	Z	-.008	-.008	0	%100
70	HR-H3	Z	-.007	-.007	0	%100
71	HR-D5	Z	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
72	HR-D6	Z	-.008	-.008	0	%100
73	HR-V6	Z	-.008	-.008	0	%100
74	HR-V7	Z	-.008	-.008	0	%100
75	HR-H2	Z	-.002	-.002	0	%100
76	HR-D3	Z	-.008	-.008	0	%100
77	HR-D4	Z	-.008	-.008	0	%100
78	HR-V1	Z	-.008	-.008	0	%100
79	HR-V4	Z	-.008	-.008	0	%100
80	HR-V9	Z	-.008	-.008	0	%100
81	HR-V12	Z	-.008	-.008	0	%100
82	HR-V5	Z	-.008	-.008	0	%100
83	HR-V8	Z	-.008	-.008	0	%100
84	MP-1	Z	-.007	-.007	0	%100
85	MP-2	Z	-.007	-.007	0	%100
86	MP-3	Z	-.007	-.007	0	%100
87	MP-4	Z	-.007	-.007	0	%100
88	MP-9	Z	-.007	-.007	0	%100
89	MP-10	Z	-.007	-.007	0	%100
90	MP-11	Z	-.007	-.007	0	%100
91	MP-12	Z	-.007	-.007	0	%100
92	MP-5	Z	-.007	-.007	0	%100
93	MP-6	Z	-.007	-.007	0	%100
94	MP-7	Z	-.007	-.007	0	%100
95	MP-8	Z	-.007	-.007	0	%100
96	MP-4B	Z	-.007	-.007	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.008	-.008	0	%100
2	GSI1	X	-.011	-.011	0	%100
3	GSI2	X	-.006	-.006	0	%100
4	GSI3	X	-.006	-.006	0	%100
5	IS-1	X	-.006	-.006	0	%100
6	IS-2	X	-.009	-.009	0	%100
7	PL1	X	0	0	0	%100
8	PL2	X	-.002	-.002	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	-.013	-.013	0	%100
11	SF2-H2	X	-.007	-.007	0	%100
12	FF-HR	X	-.005	-.005	0	%100
13	SF1-HR	X	-.009	-.009	0	%100
14	SF2-HR	X	-.005	-.005	0	%100
15	HR-V2	X	-.005	-.005	0	%100
16	HR-V3	X	-.005	-.005	0	%100
17	HR-H1	X	-.003	-.003	0	%100
18	HR-D1	X	-.006	-.006	0	%100
19	HR-D2	X	-.006	-.006	0	%100
20	HR-V10	X	-.005	-.005	0	%100
21	HR-V11	X	-.005	-.005	0	%100
22	HR-H3	X	-.004	-.004	0	%100
23	HR-D5	X	-.006	-.006	0	%100
24	HR-D6	X	-.006	-.006	0	%100
25	HR-V6	X	-.005	-.005	0	%100
26	HR-V7	X	-.005	-.005	0	%100
27	HR-H2	X	-.002	-.002	0	%100
28	HR-D3	X	-.006	-.006	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
29	HR-D4	X	-.006	-.006	0	%100
30	HR-V1	X	-.005	-.005	0	%100
31	HR-V4	X	-.005	-.005	0	%100
32	HR-V9	X	-.005	-.005	0	%100
33	HR-V12	X	-.005	-.005	0	%100
34	HR-V5	X	-.005	-.005	0	%100
35	HR-V8	X	-.005	-.005	0	%100
36	MP-1	X	-.005	-.005	0	%100
37	MP-2	X	-.005	-.005	0	%100
38	MP-3	X	-.005	-.005	0	%100
39	MP-4	X	-.005	-.005	0	%100
40	MP-9	X	-.005	-.005	0	%100
41	MP-10	X	-.005	-.005	0	%100
42	MP-11	X	-.005	-.005	0	%100
43	MP-12	X	-.005	-.005	0	%100
44	MP-5	X	-.005	-.005	0	%100
45	MP-6	X	-.005	-.005	0	%100
46	MP-7	X	-.005	-.005	0	%100
47	MP-8	X	-.005	-.005	0	%100
48	MP-4B	X	-.005	-.005	0	%100
49	FF-H2	Z	-.014	-.014	0	%100
50	GSI1	Z	-.022	-.022	0	%100
51	GSI2	Z	-.011	-.011	0	%100
52	GSI3	Z	-.011	-.011	0	%100
53	IS-1	Z	-.01	-.01	0	%100
54	IS-2	Z	-.016	-.016	0	%100
55	PL1	Z	0	0	0	%100
56	PL2	Z	-.003	-.003	0	%100
57	PL3	Z	-.004	-.004	0	%100
58	SF1-H2	Z	-.027	-.027	0	%100
59	SF2-H2	Z	-.014	-.014	0	%100
60	FF-HR	Z	-.009	-.009	0	%100
61	SF1-HR	Z	-.017	-.017	0	%100
62	SF2-HR	Z	-.009	-.009	0	%100
63	HR-V2	Z	-.009	-.009	0	%100
64	HR-V3	Z	-.009	-.009	0	%100
65	HR-H1	Z	-.005	-.005	0	%100
66	HR-D1	Z	-.01	-.01	0	%100
67	HR-D2	Z	-.01	-.01	0	%100
68	HR-V10	Z	-.009	-.009	0	%100
69	HR-V11	Z	-.009	-.009	0	%100
70	HR-H3	Z	-.009	-.009	0	%100
71	HR-D5	Z	-.01	-.01	0	%100
72	HR-D6	Z	-.01	-.01	0	%100
73	HR-V6	Z	-.009	-.009	0	%100
74	HR-V7	Z	-.009	-.009	0	%100
75	HR-H2	Z	-.004	-.004	0	%100
76	HR-D3	Z	-.01	-.01	0	%100
77	HR-D4	Z	-.01	-.01	0	%100
78	HR-V1	Z	-.009	-.009	0	%100
79	HR-V4	Z	-.009	-.009	0	%100
80	HR-V9	Z	-.009	-.009	0	%100
81	HR-V12	Z	-.009	-.009	0	%100
82	HR-V5	Z	-.009	-.009	0	%100
83	HR-V8	Z	-.009	-.009	0	%100
84	MP-1	Z	-.008	-.008	0	%100
85	MP-2	Z	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
86	MP-3	Z	-.008	-.008	0	%100
87	MP-4	Z	-.008	-.008	0	%100
88	MP-9	Z	-.008	-.008	0	%100
89	MP-10	Z	-.008	-.008	0	%100
90	MP-11	Z	-.008	-.008	0	%100
91	MP-12	Z	-.008	-.008	0	%100
92	MP-5	Z	-.008	-.008	0	%100
93	MP-6	Z	-.008	-.008	0	%100
94	MP-7	Z	-.008	-.008	0	%100
95	MP-8	Z	-.008	-.008	0	%100
96	MP-4B	Z	-.008	-.008	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	Z	0	0	0	%100
2	GSI1	Z	-.022	-.022	0	%100
3	GSI2	Z	-.022	-.022	0	%100
4	GSI3	Z	0	0	0	%100
5	IS-1	Z	0	0	0	%100
6	IS-2	Z	-.021	-.021	0	%100
7	PL1	Z	-.002	-.002	0	%100
8	PL2	Z	-.002	-.002	0	%100
9	PL3	Z	-.005	-.005	0	%100
10	SF1-H2	Z	-.027	-.027	0	%100
11	SF2-H2	Z	-.027	-.027	0	%100
12	FF-HR	Z	0	0	0	%100
13	SF1-HR	Z	-.017	-.017	0	%100
14	SF2-HR	Z	-.017	-.017	0	%100
15	HR-V2	Z	-.011	-.011	0	%100
16	HR-V3	Z	-.011	-.011	0	%100
17	HR-H1	Z	0	0	0	%100
18	HR-D1	Z	-.012	-.012	0	%100
19	HR-D2	Z	-.012	-.012	0	%100
20	HR-V10	Z	-.011	-.011	0	%100
21	HR-V11	Z	-.011	-.011	0	%100
22	HR-H3	Z	-.009	-.009	0	%100
23	HR-D5	Z	-.012	-.012	0	%100
24	HR-D6	Z	-.012	-.012	0	%100
25	HR-V6	Z	-.011	-.011	0	%100
26	HR-V7	Z	-.011	-.011	0	%100
27	HR-H2	Z	-.009	-.009	0	%100
28	HR-D3	Z	-.012	-.012	0	%100
29	HR-D4	Z	-.012	-.012	0	%100
30	HR-V1	Z	-.011	-.011	0	%100
31	HR-V4	Z	-.011	-.011	0	%100
32	HR-V9	Z	-.011	-.011	0	%100
33	HR-V12	Z	-.011	-.011	0	%100
34	HR-V5	Z	-.011	-.011	0	%100
35	HR-V8	Z	-.011	-.011	0	%100
36	MP-1	Z	-.009	-.009	0	%100
37	MP-2	Z	-.009	-.009	0	%100
38	MP-3	Z	-.009	-.009	0	%100
39	MP-4	Z	-.009	-.009	0	%100
40	MP-9	Z	-.009	-.009	0	%100
41	MP-10	Z	-.009	-.009	0	%100
42	MP-11	Z	-.009	-.009	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
43	MP-12	Z	-.009	-.009	0	%100
44	MP-5	Z	-.009	-.009	0	%100
45	MP-6	Z	-.009	-.009	0	%100
46	MP-7	Z	-.009	-.009	0	%100
47	MP-8	Z	-.009	-.009	0	%100
48	MP-4B	Z	-.009	-.009	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.008	.008	0	%100
2	GSI1	X	.006	.006	0	%100
3	GSI2	X	.011	.011	0	%100
4	GSI3	X	.006	.006	0	%100
5	IS-1	X	.006	.006	0	%100
6	IS-2	X	.009	.009	0	%100
7	PL1	X	.002	.002	0	%100
8	PL2	X	0	0	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.007	.007	0	%100
11	SF2-H2	X	.013	.013	0	%100
12	FF-HR	X	.005	.005	0	%100
13	SF1-HR	X	.005	.005	0	%100
14	SF2-HR	X	.009	.009	0	%100
15	HR-V2	X	.005	.005	0	%100
16	HR-V3	X	.005	.005	0	%100
17	HR-H1	X	.003	.003	0	%100
18	HR-D1	X	.006	.006	0	%100
19	HR-D2	X	.006	.006	0	%100
20	HR-V10	X	.005	.005	0	%100
21	HR-V11	X	.005	.005	0	%100
22	HR-H3	X	.002	.002	0	%100
23	HR-D5	X	.006	.006	0	%100
24	HR-D6	X	.006	.006	0	%100
25	HR-V6	X	.005	.005	0	%100
26	HR-V7	X	.005	.005	0	%100
27	HR-H2	X	.004	.004	0	%100
28	HR-D3	X	.006	.006	0	%100
29	HR-D4	X	.006	.006	0	%100
30	HR-V1	X	.005	.005	0	%100
31	HR-V4	X	.005	.005	0	%100
32	HR-V9	X	.005	.005	0	%100
33	HR-V12	X	.005	.005	0	%100
34	HR-V5	X	.005	.005	0	%100
35	HR-V8	X	.005	.005	0	%100
36	MP-1	X	.005	.005	0	%100
37	MP-2	X	.005	.005	0	%100
38	MP-3	X	.005	.005	0	%100
39	MP-4	X	.005	.005	0	%100
40	MP-9	X	.005	.005	0	%100
41	MP-10	X	.005	.005	0	%100
42	MP-11	X	.005	.005	0	%100
43	MP-12	X	.005	.005	0	%100
44	MP-5	X	.005	.005	0	%100
45	MP-6	X	.005	.005	0	%100
46	MP-7	X	.005	.005	0	%100
47	MP-8	X	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
48	MP-4B	X	.005	.005	0	%100
49	FF-H2	Z	-.014	-.014	0	%100
50	GSI1	Z	-.011	-.011	0	%100
51	GSI2	Z	-.022	-.022	0	%100
52	GSI3	Z	-.011	-.011	0	%100
53	IS-1	Z	-.01	-.01	0	%100
54	IS-2	Z	-.016	-.016	0	%100
55	PL1	Z	-.003	-.003	0	%100
56	PL2	Z	0	0	0	%100
57	PL3	Z	-.004	-.004	0	%100
58	SF1-H2	Z	-.014	-.014	0	%100
59	SF2-H2	Z	-.027	-.027	0	%100
60	FF-HR	Z	-.009	-.009	0	%100
61	SF1-HR	Z	-.009	-.009	0	%100
62	SF2-HR	Z	-.017	-.017	0	%100
63	HR-V2	Z	-.009	-.009	0	%100
64	HR-V3	Z	-.009	-.009	0	%100
65	HR-H1	Z	-.005	-.005	0	%100
66	HR-D1	Z	-.01	-.01	0	%100
67	HR-D2	Z	-.01	-.01	0	%100
68	HR-V10	Z	-.009	-.009	0	%100
69	HR-V11	Z	-.009	-.009	0	%100
70	HR-H3	Z	-.004	-.004	0	%100
71	HR-D5	Z	-.01	-.01	0	%100
72	HR-D6	Z	-.01	-.01	0	%100
73	HR-V6	Z	-.009	-.009	0	%100
74	HR-V7	Z	-.009	-.009	0	%100
75	HR-H2	Z	-.009	-.009	0	%100
76	HR-D3	Z	-.01	-.01	0	%100
77	HR-D4	Z	-.01	-.01	0	%100
78	HR-V1	Z	-.009	-.009	0	%100
79	HR-V4	Z	-.009	-.009	0	%100
80	HR-V9	Z	-.009	-.009	0	%100
81	HR-V12	Z	-.009	-.009	0	%100
82	HR-V5	Z	-.009	-.009	0	%100
83	HR-V8	Z	-.009	-.009	0	%100
84	MP-1	Z	-.008	-.008	0	%100
85	MP-2	Z	-.008	-.008	0	%100
86	MP-3	Z	-.008	-.008	0	%100
87	MP-4	Z	-.008	-.008	0	%100
88	MP-9	Z	-.008	-.008	0	%100
89	MP-10	Z	-.008	-.008	0	%100
90	MP-11	Z	-.008	-.008	0	%100
91	MP-12	Z	-.008	-.008	0	%100
92	MP-5	Z	-.008	-.008	0	%100
93	MP-6	Z	-.008	-.008	0	%100
94	MP-7	Z	-.008	-.008	0	%100
95	MP-8	Z	-.008	-.008	0	%100
96	MP-4B	Z	-.008	-.008	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.017	.017	0	%100
2	GSI1	X	.004	.004	0	%100
3	GSI2	X	.015	.015	0	%100
4	GSI3	X	.013	.013	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
5	IS-1	X	.012	.012	0	%100
6	IS-2	X	.01	.01	0	%100
7	PL1	X	.003	.003	0	%100
8	PL2	X	.000863	.000863	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.005	.005	0	%100
11	SF2-H2	X	.018	.018	0	%100
12	FF-HR	X	.01	.01	0	%100
13	SF1-HR	X	.003	.003	0	%100
14	SF2-HR	X	.013	.013	0	%100
15	HR-V2	X	.008	.008	0	%100
16	HR-V3	X	.008	.008	0	%100
17	HR-H1	X	.005	.005	0	%100
18	HR-D1	X	.008	.008	0	%100
19	HR-D2	X	.008	.008	0	%100
20	HR-V10	X	.008	.008	0	%100
21	HR-V11	X	.008	.008	0	%100
22	HR-H3	X	.002	.002	0	%100
23	HR-D5	X	.008	.008	0	%100
24	HR-D6	X	.008	.008	0	%100
25	HR-V6	X	.008	.008	0	%100
26	HR-V7	X	.008	.008	0	%100
27	HR-H2	X	.006	.006	0	%100
28	HR-D3	X	.008	.008	0	%100
29	HR-D4	X	.008	.008	0	%100
30	HR-V1	X	.008	.008	0	%100
31	HR-V4	X	.008	.008	0	%100
32	HR-V9	X	.008	.008	0	%100
33	HR-V12	X	.008	.008	0	%100
34	HR-V5	X	.008	.008	0	%100
35	HR-V8	X	.008	.008	0	%100
36	MP-1	X	.007	.007	0	%100
37	MP-2	X	.007	.007	0	%100
38	MP-3	X	.007	.007	0	%100
39	MP-4	X	.007	.007	0	%100
40	MP-9	X	.007	.007	0	%100
41	MP-10	X	.007	.007	0	%100
42	MP-11	X	.007	.007	0	%100
43	MP-12	X	.007	.007	0	%100
44	MP-5	X	.007	.007	0	%100
45	MP-6	X	.007	.007	0	%100
46	MP-7	X	.007	.007	0	%100
47	MP-8	X	.007	.007	0	%100
48	MP-4B	X	.007	.007	0	%100
49	FF-H2	Z	-.017	-.017	0	%100
50	GSI1	Z	-.005	-.005	0	%100
51	GSI2	Z	-.017	-.017	0	%100
52	GSI3	Z	-.013	-.013	0	%100
53	IS-1	Z	-.012	-.012	0	%100
54	IS-2	Z	-.011	-.011	0	%100
55	PL1	Z	-.003	-.003	0	%100
56	PL2	Z	-.000779	-.000779	0	%100
57	PL3	Z	-.002	-.002	0	%100
58	SF1-H2	Z	-.006	-.006	0	%100
59	SF2-H2	Z	-.021	-.021	0	%100
60	FF-HR	Z	-.01	-.01	0	%100
61	SF1-HR	Z	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
62	SF2-HR	Z	-.014	-.014	0	%100
63	HR-V2	Z	-.008	-.008	0	%100
64	HR-V3	Z	-.008	-.008	0	%100
65	HR-H1	Z	-.005	-.005	0	%100
66	HR-D1	Z	-.008	-.008	0	%100
67	HR-D2	Z	-.008	-.008	0	%100
68	HR-V10	Z	-.008	-.008	0	%100
69	HR-V11	Z	-.008	-.008	0	%100
70	HR-H3	Z	-.002	-.002	0	%100
71	HR-D5	Z	-.008	-.008	0	%100
72	HR-D6	Z	-.008	-.008	0	%100
73	HR-V6	Z	-.008	-.008	0	%100
74	HR-V7	Z	-.008	-.008	0	%100
75	HR-H2	Z	-.007	-.007	0	%100
76	HR-D3	Z	-.008	-.008	0	%100
77	HR-D4	Z	-.008	-.008	0	%100
78	HR-V1	Z	-.008	-.008	0	%100
79	HR-V4	Z	-.008	-.008	0	%100
80	HR-V9	Z	-.008	-.008	0	%100
81	HR-V12	Z	-.008	-.008	0	%100
82	HR-V5	Z	-.008	-.008	0	%100
83	HR-V8	Z	-.008	-.008	0	%100
84	MP-1	Z	-.007	-.007	0	%100
85	MP-2	Z	-.007	-.007	0	%100
86	MP-3	Z	-.007	-.007	0	%100
87	MP-4	Z	-.007	-.007	0	%100
88	MP-9	Z	-.007	-.007	0	%100
89	MP-10	Z	-.007	-.007	0	%100
90	MP-11	Z	-.007	-.007	0	%100
91	MP-12	Z	-.007	-.007	0	%100
92	MP-5	Z	-.007	-.007	0	%100
93	MP-6	Z	-.007	-.007	0	%100
94	MP-7	Z	-.007	-.007	0	%100
95	MP-8	Z	-.007	-.007	0	%100
96	MP-4B	Z	-.007	-.007	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.025	.025	0	%100
2	GSI1	X	0	0	0	%100
3	GSI2	X	.017	.017	0	%100
4	GSI3	X	.019	.019	0	%100
5	IS-1	X	.017	.017	0	%100
6	IS-2	X	.009	.009	0	%100
7	PL1	X	.004	.004	0	%100
8	PL2	X	.002	.002	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	0	0	0	%100
11	SF2-H2	X	.02	.02	0	%100
12	FF-HR	X	.015	.015	0	%100
13	SF1-HR	X	0	0	0	%100
14	SF2-HR	X	.014	.014	0	%100
15	HR-V2	X	.009	.009	0	%100
16	HR-V3	X	.009	.009	0	%100
17	HR-H1	X	.008	.008	0	%100
18	HR-D1	X	.01	.01	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
19	HR-D2	X	.01	.01	0	%100
20	HR-V10	X	.009	.009	0	%100
21	HR-V11	X	.009	.009	0	%100
22	HR-H3	X	0	0	0	%100
23	HR-D5	X	.01	.01	0	%100
24	HR-D6	X	.01	.01	0	%100
25	HR-V6	X	.009	.009	0	%100
26	HR-V7	X	.009	.009	0	%100
27	HR-H2	X	.007	.007	0	%100
28	HR-D3	X	.01	.01	0	%100
29	HR-D4	X	.01	.01	0	%100
30	HR-V1	X	.009	.009	0	%100
31	HR-V4	X	.009	.009	0	%100
32	HR-V9	X	.009	.009	0	%100
33	HR-V12	X	.009	.009	0	%100
34	HR-V5	X	.009	.009	0	%100
35	HR-V8	X	.009	.009	0	%100
36	MP-1	X	.008	.008	0	%100
37	MP-2	X	.008	.008	0	%100
38	MP-3	X	.008	.008	0	%100
39	MP-4	X	.008	.008	0	%100
40	MP-9	X	.008	.008	0	%100
41	MP-10	X	.008	.008	0	%100
42	MP-11	X	.008	.008	0	%100
43	MP-12	X	.008	.008	0	%100
44	MP-5	X	.008	.008	0	%100
45	MP-6	X	.008	.008	0	%100
46	MP-7	X	.008	.008	0	%100
47	MP-8	X	.008	.008	0	%100
48	MP-4B	X	.008	.008	0	%100
49	FF-H2	Z	-.014	-.014	0	%100
50	GSI1	Z	0	0	0	%100
51	GSI2	Z	-.011	-.011	0	%100
52	GSI3	Z	-.011	-.011	0	%100
53	IS-1	Z	-.01	-.01	0	%100
54	IS-2	Z	-.005	-.005	0	%100
55	PL1	Z	-.002	-.002	0	%100
56	PL2	Z	-.001	-.001	0	%100
57	PL3	Z	-.001	-.001	0	%100
58	SF1-H2	Z	0	0	0	%100
59	SF2-H2	Z	-.014	-.014	0	%100
60	FF-HR	Z	-.009	-.009	0	%100
61	SF1-HR	Z	0	0	0	%100
62	SF2-HR	Z	-.009	-.009	0	%100
63	HR-V2	Z	-.005	-.005	0	%100
64	HR-V3	Z	-.005	-.005	0	%100
65	HR-H1	Z	-.005	-.005	0	%100
66	HR-D1	Z	-.006	-.006	0	%100
67	HR-D2	Z	-.006	-.006	0	%100
68	HR-V10	Z	-.005	-.005	0	%100
69	HR-V11	Z	-.005	-.005	0	%100
70	HR-H3	Z	0	0	0	%100
71	HR-D5	Z	-.006	-.006	0	%100
72	HR-D6	Z	-.006	-.006	0	%100
73	HR-V6	Z	-.005	-.005	0	%100
74	HR-V7	Z	-.005	-.005	0	%100
75	HR-H2	Z	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
76	HR-D3	Z	-.006	-.006	0	%100
77	HR-D4	Z	-.006	-.006	0	%100
78	HR-V1	Z	-.005	-.005	0	%100
79	HR-V4	Z	-.005	-.005	0	%100
80	HR-V9	Z	-.005	-.005	0	%100
81	HR-V12	Z	-.005	-.005	0	%100
82	HR-V5	Z	-.005	-.005	0	%100
83	HR-V8	Z	-.005	-.005	0	%100
84	MP-1	Z	-.005	-.005	0	%100
85	MP-2	Z	-.005	-.005	0	%100
86	MP-3	Z	-.005	-.005	0	%100
87	MP-4	Z	-.005	-.005	0	%100
88	MP-9	Z	-.005	-.005	0	%100
89	MP-10	Z	-.005	-.005	0	%100
90	MP-11	Z	-.005	-.005	0	%100
91	MP-12	Z	-.005	-.005	0	%100
92	MP-5	Z	-.005	-.005	0	%100
93	MP-6	Z	-.005	-.005	0	%100
94	MP-7	Z	-.005	-.005	0	%100
95	MP-8	Z	-.005	-.005	0	%100
96	MP-4B	Z	-.005	-.005	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.033	.033	0	%100
2	GSI1	X	.011	.011	0	%100
3	GSI2	X	.011	.011	0	%100
4	GSI3	X	.026	.026	0	%100
5	IS-1	X	.023	.023	0	%100
6	IS-2	X	0	0	0	%100
7	PL1	X	.004	.004	0	%100
8	PL2	X	.004	.004	0	%100
9	PL3	X	0	0	0	%100
10	SF1-H2	X	.013	.013	0	%100
11	SF2-H2	X	.013	.013	0	%100
12	FF-HR	X	.02	.02	0	%100
13	SF1-HR	X	.009	.009	0	%100
14	SF2-HR	X	.009	.009	0	%100
15	HR-V2	X	.011	.011	0	%100
16	HR-V3	X	.011	.011	0	%100
17	HR-H1	X	.011	.011	0	%100
18	HR-D1	X	.012	.012	0	%100
19	HR-D2	X	.012	.012	0	%100
20	HR-V10	X	.011	.011	0	%100
21	HR-V11	X	.011	.011	0	%100
22	HR-H3	X	.004	.004	0	%100
23	HR-D5	X	.012	.012	0	%100
24	HR-D6	X	.012	.012	0	%100
25	HR-V6	X	.011	.011	0	%100
26	HR-V7	X	.011	.011	0	%100
27	HR-H2	X	.004	.004	0	%100
28	HR-D3	X	.012	.012	0	%100
29	HR-D4	X	.012	.012	0	%100
30	HR-V1	X	.011	.011	0	%100
31	HR-V4	X	.011	.011	0	%100
32	HR-V9	X	.011	.011	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
33	HR-V12	X	.011	.011	0	%100
34	HR-V5	X	.011	.011	0	%100
35	HR-V8	X	.011	.011	0	%100
36	MP-1	X	.009	.009	0	%100
37	MP-2	X	.009	.009	0	%100
38	MP-3	X	.009	.009	0	%100
39	MP-4	X	.009	.009	0	%100
40	MP-9	X	.009	.009	0	%100
41	MP-10	X	.009	.009	0	%100
42	MP-11	X	.009	.009	0	%100
43	MP-12	X	.009	.009	0	%100
44	MP-5	X	.009	.009	0	%100
45	MP-6	X	.009	.009	0	%100
46	MP-7	X	.009	.009	0	%100
47	MP-8	X	.009	.009	0	%100
48	MP-4B	X	.009	.009	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.025	.025	0	%100
2	GSI1	X	.017	.017	0	%100
3	GSI2	X	0	0	0	%100
4	GSI3	X	.019	.019	0	%100
5	IS-1	X	.017	.017	0	%100
6	IS-2	X	.009	.009	0	%100
7	PL1	X	.002	.002	0	%100
8	PL2	X	.004	.004	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.02	.02	0	%100
11	SF2-H2	X	0	0	0	%100
12	FF-HR	X	.015	.015	0	%100
13	SF1-HR	X	.014	.014	0	%100
14	SF2-HR	X	0	0	0	%100
15	HR-V2	X	.009	.009	0	%100
16	HR-V3	X	.009	.009	0	%100
17	HR-H1	X	.008	.008	0	%100
18	HR-D1	X	.01	.01	0	%100
19	HR-D2	X	.01	.01	0	%100
20	HR-V10	X	.009	.009	0	%100
21	HR-V11	X	.009	.009	0	%100
22	HR-H3	X	.007	.007	0	%100
23	HR-D5	X	.01	.01	0	%100
24	HR-D6	X	.01	.01	0	%100
25	HR-V6	X	.009	.009	0	%100
26	HR-V7	X	.009	.009	0	%100
27	HR-H2	X	0	0	0	%100
28	HR-D3	X	.01	.01	0	%100
29	HR-D4	X	.01	.01	0	%100
30	HR-V1	X	.009	.009	0	%100
31	HR-V4	X	.009	.009	0	%100
32	HR-V9	X	.009	.009	0	%100
33	HR-V12	X	.009	.009	0	%100
34	HR-V5	X	.009	.009	0	%100
35	HR-V8	X	.009	.009	0	%100
36	MP-1	X	.008	.008	0	%100
37	MP-2	X	.008	.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
38	MP-3	X	.008	.008	0	%100
39	MP-4	X	.008	.008	0	%100
40	MP-9	X	.008	.008	0	%100
41	MP-10	X	.008	.008	0	%100
42	MP-11	X	.008	.008	0	%100
43	MP-12	X	.008	.008	0	%100
44	MP-5	X	.008	.008	0	%100
45	MP-6	X	.008	.008	0	%100
46	MP-7	X	.008	.008	0	%100
47	MP-8	X	.008	.008	0	%100
48	MP-4B	X	.008	.008	0	%100
49	FF-H2	Z	.014	.014	0	%100
50	GSI1	Z	.011	.011	0	%100
51	GSI2	Z	0	0	0	%100
52	GSI3	Z	.011	.011	0	%100
53	IS-1	Z	.01	.01	0	%100
54	IS-2	Z	.005	.005	0	%100
55	PL1	Z	.001	.001	0	%100
56	PL2	Z	.002	.002	0	%100
57	PL3	Z	.001	.001	0	%100
58	SF1-H2	Z	.014	.014	0	%100
59	SF2-H2	Z	0	0	0	%100
60	FF-HR	Z	.009	.009	0	%100
61	SF1-HR	Z	.009	.009	0	%100
62	SF2-HR	Z	0	0	0	%100
63	HR-V2	Z	.005	.005	0	%100
64	HR-V3	Z	.005	.005	0	%100
65	HR-H1	Z	.005	.005	0	%100
66	HR-D1	Z	.006	.006	0	%100
67	HR-D2	Z	.006	.006	0	%100
68	HR-V10	Z	.005	.005	0	%100
69	HR-V11	Z	.005	.005	0	%100
70	HR-H3	Z	.004	.004	0	%100
71	HR-D5	Z	.006	.006	0	%100
72	HR-D6	Z	.006	.006	0	%100
73	HR-V6	Z	.005	.005	0	%100
74	HR-V7	Z	.005	.005	0	%100
75	HR-H2	Z	0	0	0	%100
76	HR-D3	Z	.006	.006	0	%100
77	HR-D4	Z	.006	.006	0	%100
78	HR-V1	Z	.005	.005	0	%100
79	HR-V4	Z	.005	.005	0	%100
80	HR-V9	Z	.005	.005	0	%100
81	HR-V12	Z	.005	.005	0	%100
82	HR-V5	Z	.005	.005	0	%100
83	HR-V8	Z	.005	.005	0	%100
84	MP-1	Z	.005	.005	0	%100
85	MP-2	Z	.005	.005	0	%100
86	MP-3	Z	.005	.005	0	%100
87	MP-4	Z	.005	.005	0	%100
88	MP-9	Z	.005	.005	0	%100
89	MP-10	Z	.005	.005	0	%100
90	MP-11	Z	.005	.005	0	%100
91	MP-12	Z	.005	.005	0	%100
92	MP-5	Z	.005	.005	0	%100
93	MP-6	Z	.005	.005	0	%100
94	MP-7	Z	.005	.005	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
95	MP-8	Z	.005	.005	0	%100
96	MP-4B	Z	.005	.005	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.017	.017	0	%100
2	GSI1	X	.015	.015	0	%100
3	GSI2	X	.004	.004	0	%100
4	GSI3	X	.013	.013	0	%100
5	IS-1	X	.012	.012	0	%100
6	IS-2	X	.01	.01	0	%100
7	PL1	X	.000863	.000863	0	%100
8	PL2	X	.003	.003	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.018	.018	0	%100
11	SF2-H2	X	.005	.005	0	%100
12	FF-HR	X	.01	.01	0	%100
13	SF1-HR	X	.013	.013	0	%100
14	SF2-HR	X	.003	.003	0	%100
15	HR-V2	X	.008	.008	0	%100
16	HR-V3	X	.008	.008	0	%100
17	HR-H1	X	.005	.005	0	%100
18	HR-D1	X	.008	.008	0	%100
19	HR-D2	X	.008	.008	0	%100
20	HR-V10	X	.008	.008	0	%100
21	HR-V11	X	.008	.008	0	%100
22	HR-H3	X	.006	.006	0	%100
23	HR-D5	X	.008	.008	0	%100
24	HR-D6	X	.008	.008	0	%100
25	HR-V6	X	.008	.008	0	%100
26	HR-V7	X	.008	.008	0	%100
27	HR-H2	X	.002	.002	0	%100
28	HR-D3	X	.008	.008	0	%100
29	HR-D4	X	.008	.008	0	%100
30	HR-V1	X	.008	.008	0	%100
31	HR-V4	X	.008	.008	0	%100
32	HR-V9	X	.008	.008	0	%100
33	HR-V12	X	.008	.008	0	%100
34	HR-V5	X	.008	.008	0	%100
35	HR-V8	X	.008	.008	0	%100
36	MP-1	X	.007	.007	0	%100
37	MP-2	X	.007	.007	0	%100
38	MP-3	X	.007	.007	0	%100
39	MP-4	X	.007	.007	0	%100
40	MP-9	X	.007	.007	0	%100
41	MP-10	X	.007	.007	0	%100
42	MP-11	X	.007	.007	0	%100
43	MP-12	X	.007	.007	0	%100
44	MP-5	X	.007	.007	0	%100
45	MP-6	X	.007	.007	0	%100
46	MP-7	X	.007	.007	0	%100
47	MP-8	X	.007	.007	0	%100
48	MP-4B	X	.007	.007	0	%100
49	FF-H2	Z	.017	.017	0	%100
50	GSI1	Z	.017	.017	0	%100
51	GSI2	Z	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
52	GSI3	Z	.013	.013	0	%100
53	IS-1	Z	.012	.012	0	%100
54	IS-2	Z	.011	.011	0	%100
55	PL1	Z	.000779	.000779	0	%100
56	PL2	Z	.003	.003	0	%100
57	PL3	Z	.002	.002	0	%100
58	SF1-H2	Z	.021	.021	0	%100
59	SF2-H2	Z	.006	.006	0	%100
60	FF-HR	Z	.01	.01	0	%100
61	SF1-HR	Z	.014	.014	0	%100
62	SF2-HR	Z	.004	.004	0	%100
63	HR-V2	Z	.008	.008	0	%100
64	HR-V3	Z	.008	.008	0	%100
65	HR-H1	Z	.005	.005	0	%100
66	HR-D1	Z	.008	.008	0	%100
67	HR-D2	Z	.008	.008	0	%100
68	HR-V10	Z	.008	.008	0	%100
69	HR-V11	Z	.008	.008	0	%100
70	HR-H3	Z	.007	.007	0	%100
71	HR-D5	Z	.008	.008	0	%100
72	HR-D6	Z	.008	.008	0	%100
73	HR-V6	Z	.008	.008	0	%100
74	HR-V7	Z	.008	.008	0	%100
75	HR-H2	Z	.002	.002	0	%100
76	HR-D3	Z	.008	.008	0	%100
77	HR-D4	Z	.008	.008	0	%100
78	HR-V1	Z	.008	.008	0	%100
79	HR-V4	Z	.008	.008	0	%100
80	HR-V9	Z	.008	.008	0	%100
81	HR-V12	Z	.008	.008	0	%100
82	HR-V5	Z	.008	.008	0	%100
83	HR-V8	Z	.008	.008	0	%100
84	MP-1	Z	.007	.007	0	%100
85	MP-2	Z	.007	.007	0	%100
86	MP-3	Z	.007	.007	0	%100
87	MP-4	Z	.007	.007	0	%100
88	MP-9	Z	.007	.007	0	%100
89	MP-10	Z	.007	.007	0	%100
90	MP-11	Z	.007	.007	0	%100
91	MP-12	Z	.007	.007	0	%100
92	MP-5	Z	.007	.007	0	%100
93	MP-6	Z	.007	.007	0	%100
94	MP-7	Z	.007	.007	0	%100
95	MP-8	Z	.007	.007	0	%100
96	MP-4B	Z	.007	.007	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.008	.008	0	%100
2	GSI1	X	.011	.011	0	%100
3	GSI2	X	.006	.006	0	%100
4	GSI3	X	.006	.006	0	%100
5	IS-1	X	.006	.006	0	%100
6	IS-2	X	.009	.009	0	%100
7	PL1	X	0	0	0	%100
8	PL2	X	.002	.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.013	.013	0	%100
11	SF2-H2	X	.007	.007	0	%100
12	FF-HR	X	.005	.005	0	%100
13	SF1-HR	X	.009	.009	0	%100
14	SF2-HR	X	.005	.005	0	%100
15	HR-V2	X	.005	.005	0	%100
16	HR-V3	X	.005	.005	0	%100
17	HR-H1	X	.003	.003	0	%100
18	HR-D1	X	.006	.006	0	%100
19	HR-D2	X	.006	.006	0	%100
20	HR-V10	X	.005	.005	0	%100
21	HR-V11	X	.005	.005	0	%100
22	HR-H3	X	.004	.004	0	%100
23	HR-D5	X	.006	.006	0	%100
24	HR-D6	X	.006	.006	0	%100
25	HR-V6	X	.005	.005	0	%100
26	HR-V7	X	.005	.005	0	%100
27	HR-H2	X	.002	.002	0	%100
28	HR-D3	X	.006	.006	0	%100
29	HR-D4	X	.006	.006	0	%100
30	HR-V1	X	.005	.005	0	%100
31	HR-V4	X	.005	.005	0	%100
32	HR-V9	X	.005	.005	0	%100
33	HR-V12	X	.005	.005	0	%100
34	HR-V5	X	.005	.005	0	%100
35	HR-V8	X	.005	.005	0	%100
36	MP-1	X	.005	.005	0	%100
37	MP-2	X	.005	.005	0	%100
38	MP-3	X	.005	.005	0	%100
39	MP-4	X	.005	.005	0	%100
40	MP-9	X	.005	.005	0	%100
41	MP-10	X	.005	.005	0	%100
42	MP-11	X	.005	.005	0	%100
43	MP-12	X	.005	.005	0	%100
44	MP-5	X	.005	.005	0	%100
45	MP-6	X	.005	.005	0	%100
46	MP-7	X	.005	.005	0	%100
47	MP-8	X	.005	.005	0	%100
48	MP-4B	X	.005	.005	0	%100
49	FF-H2	Z	.014	.014	0	%100
50	GSI1	Z	.022	.022	0	%100
51	GSI2	Z	.011	.011	0	%100
52	GSI3	Z	.011	.011	0	%100
53	IS-1	Z	.01	.01	0	%100
54	IS-2	Z	.016	.016	0	%100
55	PL1	Z	0	0	0	%100
56	PL2	Z	.003	.003	0	%100
57	PL3	Z	.004	.004	0	%100
58	SF1-H2	Z	.027	.027	0	%100
59	SF2-H2	Z	.014	.014	0	%100
60	FF-HR	Z	.009	.009	0	%100
61	SF1-HR	Z	.017	.017	0	%100
62	SF2-HR	Z	.009	.009	0	%100
63	HR-V2	Z	.009	.009	0	%100
64	HR-V3	Z	.009	.009	0	%100
65	HR-H1	Z	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
66	HR-D1	Z	.01	.01	0	%100
67	HR-D2	Z	.01	.01	0	%100
68	HR-V10	Z	.009	.009	0	%100
69	HR-V11	Z	.009	.009	0	%100
70	HR-H3	Z	.009	.009	0	%100
71	HR-D5	Z	.01	.01	0	%100
72	HR-D6	Z	.01	.01	0	%100
73	HR-V6	Z	.009	.009	0	%100
74	HR-V7	Z	.009	.009	0	%100
75	HR-H2	Z	.004	.004	0	%100
76	HR-D3	Z	.01	.01	0	%100
77	HR-D4	Z	.01	.01	0	%100
78	HR-V1	Z	.009	.009	0	%100
79	HR-V4	Z	.009	.009	0	%100
80	HR-V9	Z	.009	.009	0	%100
81	HR-V12	Z	.009	.009	0	%100
82	HR-V5	Z	.009	.009	0	%100
83	HR-V8	Z	.009	.009	0	%100
84	MP-1	Z	.008	.008	0	%100
85	MP-2	Z	.008	.008	0	%100
86	MP-3	Z	.008	.008	0	%100
87	MP-4	Z	.008	.008	0	%100
88	MP-9	Z	.008	.008	0	%100
89	MP-10	Z	.008	.008	0	%100
90	MP-11	Z	.008	.008	0	%100
91	MP-12	Z	.008	.008	0	%100
92	MP-5	Z	.008	.008	0	%100
93	MP-6	Z	.008	.008	0	%100
94	MP-7	Z	.008	.008	0	%100
95	MP-8	Z	.008	.008	0	%100
96	MP-4B	Z	.008	.008	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	Z	0	0	0	%100
2	GSI1	Z	.022	.022	0	%100
3	GSI2	Z	.022	.022	0	%100
4	GSI3	Z	0	0	0	%100
5	IS-1	Z	0	0	0	%100
6	IS-2	Z	.021	.021	0	%100
7	PL1	Z	.002	.002	0	%100
8	PL2	Z	.002	.002	0	%100
9	PL3	Z	.005	.005	0	%100
10	SF1-H2	Z	.027	.027	0	%100
11	SF2-H2	Z	.027	.027	0	%100
12	FF-HR	Z	0	0	0	%100
13	SF1-HR	Z	.017	.017	0	%100
14	SF2-HR	Z	.017	.017	0	%100
15	HR-V2	Z	.011	.011	0	%100
16	HR-V3	Z	.011	.011	0	%100
17	HR-H1	Z	0	0	0	%100
18	HR-D1	Z	.012	.012	0	%100
19	HR-D2	Z	.012	.012	0	%100
20	HR-V10	Z	.011	.011	0	%100
21	HR-V11	Z	.011	.011	0	%100
22	HR-H3	Z	.009	.009	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
23	HR-D5	Z	.012	.012	0	%100
24	HR-D6	Z	.012	.012	0	%100
25	HR-V6	Z	.011	.011	0	%100
26	HR-V7	Z	.011	.011	0	%100
27	HR-H2	Z	.009	.009	0	%100
28	HR-D3	Z	.012	.012	0	%100
29	HR-D4	Z	.012	.012	0	%100
30	HR-V1	Z	.011	.011	0	%100
31	HR-V4	Z	.011	.011	0	%100
32	HR-V9	Z	.011	.011	0	%100
33	HR-V12	Z	.011	.011	0	%100
34	HR-V5	Z	.011	.011	0	%100
35	HR-V8	Z	.011	.011	0	%100
36	MP-1	Z	.009	.009	0	%100
37	MP-2	Z	.009	.009	0	%100
38	MP-3	Z	.009	.009	0	%100
39	MP-4	Z	.009	.009	0	%100
40	MP-9	Z	.009	.009	0	%100
41	MP-10	Z	.009	.009	0	%100
42	MP-11	Z	.009	.009	0	%100
43	MP-12	Z	.009	.009	0	%100
44	MP-5	Z	.009	.009	0	%100
45	MP-6	Z	.009	.009	0	%100
46	MP-7	Z	.009	.009	0	%100
47	MP-8	Z	.009	.009	0	%100
48	MP-4B	Z	.009	.009	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.008	-.008	0	%100
2	GSI1	X	-.006	-.006	0	%100
3	GSI2	X	-.011	-.011	0	%100
4	GSI3	X	-.006	-.006	0	%100
5	IS-1	X	-.006	-.006	0	%100
6	IS-2	X	-.009	-.009	0	%100
7	PL1	X	-.002	-.002	0	%100
8	PL2	X	0	0	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	-.007	-.007	0	%100
11	SF2-H2	X	-.013	-.013	0	%100
12	FF-HR	X	-.005	-.005	0	%100
13	SF1-HR	X	-.005	-.005	0	%100
14	SF2-HR	X	-.009	-.009	0	%100
15	HR-V2	X	-.005	-.005	0	%100
16	HR-V3	X	-.005	-.005	0	%100
17	HR-H1	X	-.003	-.003	0	%100
18	HR-D1	X	-.006	-.006	0	%100
19	HR-D2	X	-.006	-.006	0	%100
20	HR-V10	X	-.005	-.005	0	%100
21	HR-V11	X	-.005	-.005	0	%100
22	HR-H3	X	-.002	-.002	0	%100
23	HR-D5	X	-.006	-.006	0	%100
24	HR-D6	X	-.006	-.006	0	%100
25	HR-V6	X	-.005	-.005	0	%100
26	HR-V7	X	-.005	-.005	0	%100
27	HR-H2	X	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
28	HR-D3	X	-.006	-.006	0	%100
29	HR-D4	X	-.006	-.006	0	%100
30	HR-V1	X	-.005	-.005	0	%100
31	HR-V4	X	-.005	-.005	0	%100
32	HR-V9	X	-.005	-.005	0	%100
33	HR-V12	X	-.005	-.005	0	%100
34	HR-V5	X	-.005	-.005	0	%100
35	HR-V8	X	-.005	-.005	0	%100
36	MP-1	X	-.005	-.005	0	%100
37	MP-2	X	-.005	-.005	0	%100
38	MP-3	X	-.005	-.005	0	%100
39	MP-4	X	-.005	-.005	0	%100
40	MP-9	X	-.005	-.005	0	%100
41	MP-10	X	-.005	-.005	0	%100
42	MP-11	X	-.005	-.005	0	%100
43	MP-12	X	-.005	-.005	0	%100
44	MP-5	X	-.005	-.005	0	%100
45	MP-6	X	-.005	-.005	0	%100
46	MP-7	X	-.005	-.005	0	%100
47	MP-8	X	-.005	-.005	0	%100
48	MP-4B	X	-.005	-.005	0	%100
49	FF-H2	Z	.014	.014	0	%100
50	GSI1	Z	.011	.011	0	%100
51	GSI2	Z	.022	.022	0	%100
52	GSI3	Z	.011	.011	0	%100
53	IS-1	Z	.01	.01	0	%100
54	IS-2	Z	.016	.016	0	%100
55	PL1	Z	.003	.003	0	%100
56	PL2	Z	0	0	0	%100
57	PL3	Z	.004	.004	0	%100
58	SF1-H2	Z	.014	.014	0	%100
59	SF2-H2	Z	.027	.027	0	%100
60	FF-HR	Z	.009	.009	0	%100
61	SF1-HR	Z	.009	.009	0	%100
62	SF2-HR	Z	.017	.017	0	%100
63	HR-V2	Z	.009	.009	0	%100
64	HR-V3	Z	.009	.009	0	%100
65	HR-H1	Z	.005	.005	0	%100
66	HR-D1	Z	.01	.01	0	%100
67	HR-D2	Z	.01	.01	0	%100
68	HR-V10	Z	.009	.009	0	%100
69	HR-V11	Z	.009	.009	0	%100
70	HR-H3	Z	.004	.004	0	%100
71	HR-D5	Z	.01	.01	0	%100
72	HR-D6	Z	.01	.01	0	%100
73	HR-V6	Z	.009	.009	0	%100
74	HR-V7	Z	.009	.009	0	%100
75	HR-H2	Z	.009	.009	0	%100
76	HR-D3	Z	.01	.01	0	%100
77	HR-D4	Z	.01	.01	0	%100
78	HR-V1	Z	.009	.009	0	%100
79	HR-V4	Z	.009	.009	0	%100
80	HR-V9	Z	.009	.009	0	%100
81	HR-V12	Z	.009	.009	0	%100
82	HR-V5	Z	.009	.009	0	%100
83	HR-V8	Z	.009	.009	0	%100
84	MP-1	Z	.008	.008	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
85	MP-2	Z	.008	.008	0	%100
86	MP-3	Z	.008	.008	0	%100
87	MP-4	Z	.008	.008	0	%100
88	MP-9	Z	.008	.008	0	%100
89	MP-10	Z	.008	.008	0	%100
90	MP-11	Z	.008	.008	0	%100
91	MP-12	Z	.008	.008	0	%100
92	MP-5	Z	.008	.008	0	%100
93	MP-6	Z	.008	.008	0	%100
94	MP-7	Z	.008	.008	0	%100
95	MP-8	Z	.008	.008	0	%100
96	MP-4B	Z	.008	.008	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.017	-.017	0	%100
2	GSI1	X	-.004	-.004	0	%100
3	GSI2	X	-.015	-.015	0	%100
4	GSI3	X	-.013	-.013	0	%100
5	IS-1	X	-.012	-.012	0	%100
6	IS-2	X	-.01	-.01	0	%100
7	PL1	X	-.003	-.003	0	%100
8	PL2	X	-.000863	-.000863	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	-.005	-.005	0	%100
11	SF2-H2	X	-.018	-.018	0	%100
12	FF-HR	X	-.01	-.01	0	%100
13	SF1-HR	X	-.003	-.003	0	%100
14	SF2-HR	X	-.013	-.013	0	%100
15	HR-V2	X	-.008	-.008	0	%100
16	HR-V3	X	-.008	-.008	0	%100
17	HR-H1	X	-.005	-.005	0	%100
18	HR-D1	X	-.008	-.008	0	%100
19	HR-D2	X	-.008	-.008	0	%100
20	HR-V10	X	-.008	-.008	0	%100
21	HR-V11	X	-.008	-.008	0	%100
22	HR-H3	X	-.002	-.002	0	%100
23	HR-D5	X	-.008	-.008	0	%100
24	HR-D6	X	-.008	-.008	0	%100
25	HR-V6	X	-.008	-.008	0	%100
26	HR-V7	X	-.008	-.008	0	%100
27	HR-H2	X	-.006	-.006	0	%100
28	HR-D3	X	-.008	-.008	0	%100
29	HR-D4	X	-.008	-.008	0	%100
30	HR-V1	X	-.008	-.008	0	%100
31	HR-V4	X	-.008	-.008	0	%100
32	HR-V9	X	-.008	-.008	0	%100
33	HR-V12	X	-.008	-.008	0	%100
34	HR-V5	X	-.008	-.008	0	%100
35	HR-V8	X	-.008	-.008	0	%100
36	MP-1	X	-.007	-.007	0	%100
37	MP-2	X	-.007	-.007	0	%100
38	MP-3	X	-.007	-.007	0	%100
39	MP-4	X	-.007	-.007	0	%100
40	MP-9	X	-.007	-.007	0	%100
41	MP-10	X	-.007	-.007	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
42	MP-11	X	-.007	-.007	0	%100
43	MP-12	X	-.007	-.007	0	%100
44	MP-5	X	-.007	-.007	0	%100
45	MP-6	X	-.007	-.007	0	%100
46	MP-7	X	-.007	-.007	0	%100
47	MP-8	X	-.007	-.007	0	%100
48	MP-4B	X	-.007	-.007	0	%100
49	FF-H2	Z	.017	.017	0	%100
50	GSI1	Z	.005	.005	0	%100
51	GSI2	Z	.017	.017	0	%100
52	GSI3	Z	.013	.013	0	%100
53	IS-1	Z	.012	.012	0	%100
54	IS-2	Z	.011	.011	0	%100
55	PL1	Z	.003	.003	0	%100
56	PL2	Z	.000779	.000779	0	%100
57	PL3	Z	.002	.002	0	%100
58	SF1-H2	Z	.006	.006	0	%100
59	SF2-H2	Z	.021	.021	0	%100
60	FF-HR	Z	.01	.01	0	%100
61	SF1-HR	Z	.004	.004	0	%100
62	SF2-HR	Z	.014	.014	0	%100
63	HR-V2	Z	.008	.008	0	%100
64	HR-V3	Z	.008	.008	0	%100
65	HR-H1	Z	.005	.005	0	%100
66	HR-D1	Z	.008	.008	0	%100
67	HR-D2	Z	.008	.008	0	%100
68	HR-V10	Z	.008	.008	0	%100
69	HR-V11	Z	.008	.008	0	%100
70	HR-H3	Z	.002	.002	0	%100
71	HR-D5	Z	.008	.008	0	%100
72	HR-D6	Z	.008	.008	0	%100
73	HR-V6	Z	.008	.008	0	%100
74	HR-V7	Z	.008	.008	0	%100
75	HR-H2	Z	.007	.007	0	%100
76	HR-D3	Z	.008	.008	0	%100
77	HR-D4	Z	.008	.008	0	%100
78	HR-V1	Z	.008	.008	0	%100
79	HR-V4	Z	.008	.008	0	%100
80	HR-V9	Z	.008	.008	0	%100
81	HR-V12	Z	.008	.008	0	%100
82	HR-V5	Z	.008	.008	0	%100
83	HR-V8	Z	.008	.008	0	%100
84	MP-1	Z	.007	.007	0	%100
85	MP-2	Z	.007	.007	0	%100
86	MP-3	Z	.007	.007	0	%100
87	MP-4	Z	.007	.007	0	%100
88	MP-9	Z	.007	.007	0	%100
89	MP-10	Z	.007	.007	0	%100
90	MP-11	Z	.007	.007	0	%100
91	MP-12	Z	.007	.007	0	%100
92	MP-5	Z	.007	.007	0	%100
93	MP-6	Z	.007	.007	0	%100
94	MP-7	Z	.007	.007	0	%100
95	MP-8	Z	.007	.007	0	%100
96	MP-4B	Z	.007	.007	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.025	-.025	0	%100
2	GSI1	X	0	0	0	%100
3	GSI2	X	-.017	-.017	0	%100
4	GSI3	X	-.019	-.019	0	%100
5	IS-1	X	-.017	-.017	0	%100
6	IS-2	X	-.009	-.009	0	%100
7	PL1	X	-.004	-.004	0	%100
8	PL2	X	-.002	-.002	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	0	0	0	%100
11	SF2-H2	X	-.02	-.02	0	%100
12	FF-HR	X	-.015	-.015	0	%100
13	SF1-HR	X	0	0	0	%100
14	SF2-HR	X	-.014	-.014	0	%100
15	HR-V2	X	-.009	-.009	0	%100
16	HR-V3	X	-.009	-.009	0	%100
17	HR-H1	X	-.008	-.008	0	%100
18	HR-D1	X	-.01	-.01	0	%100
19	HR-D2	X	-.01	-.01	0	%100
20	HR-V10	X	-.009	-.009	0	%100
21	HR-V11	X	-.009	-.009	0	%100
22	HR-H3	X	0	0	0	%100
23	HR-D5	X	-.01	-.01	0	%100
24	HR-D6	X	-.01	-.01	0	%100
25	HR-V6	X	-.009	-.009	0	%100
26	HR-V7	X	-.009	-.009	0	%100
27	HR-H2	X	-.007	-.007	0	%100
28	HR-D3	X	-.01	-.01	0	%100
29	HR-D4	X	-.01	-.01	0	%100
30	HR-V1	X	-.009	-.009	0	%100
31	HR-V4	X	-.009	-.009	0	%100
32	HR-V9	X	-.009	-.009	0	%100
33	HR-V12	X	-.009	-.009	0	%100
34	HR-V5	X	-.009	-.009	0	%100
35	HR-V8	X	-.009	-.009	0	%100
36	MP-1	X	-.008	-.008	0	%100
37	MP-2	X	-.008	-.008	0	%100
38	MP-3	X	-.008	-.008	0	%100
39	MP-4	X	-.008	-.008	0	%100
40	MP-9	X	-.008	-.008	0	%100
41	MP-10	X	-.008	-.008	0	%100
42	MP-11	X	-.008	-.008	0	%100
43	MP-12	X	-.008	-.008	0	%100
44	MP-5	X	-.008	-.008	0	%100
45	MP-6	X	-.008	-.008	0	%100
46	MP-7	X	-.008	-.008	0	%100
47	MP-8	X	-.008	-.008	0	%100
48	MP-4B	X	-.008	-.008	0	%100
49	FF-H2	Z	.014	.014	0	%100
50	GSI1	Z	0	0	0	%100
51	GSI2	Z	.011	.011	0	%100
52	GSI3	Z	.011	.011	0	%100
53	IS-1	Z	.01	.01	0	%100
54	IS-2	Z	.005	.005	0	%100
55	PL1	Z	.002	.002	0	%100
56	PL2	Z	.001	.001	0	%100
57	PL3	Z	.001	.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
58	SF1-H2	Z	0	0	0	%100
59	SF2-H2	Z	.014	.014	0	%100
60	FF-HR	Z	.009	.009	0	%100
61	SF1-HR	Z	0	0	0	%100
62	SF2-HR	Z	.009	.009	0	%100
63	HR-V2	Z	.005	.005	0	%100
64	HR-V3	Z	.005	.005	0	%100
65	HR-H1	Z	.005	.005	0	%100
66	HR-D1	Z	.006	.006	0	%100
67	HR-D2	Z	.006	.006	0	%100
68	HR-V10	Z	.005	.005	0	%100
69	HR-V11	Z	.005	.005	0	%100
70	HR-H3	Z	0	0	0	%100
71	HR-D5	Z	.006	.006	0	%100
72	HR-D6	Z	.006	.006	0	%100
73	HR-V6	Z	.005	.005	0	%100
74	HR-V7	Z	.005	.005	0	%100
75	HR-H2	Z	.004	.004	0	%100
76	HR-D3	Z	.006	.006	0	%100
77	HR-D4	Z	.006	.006	0	%100
78	HR-V1	Z	.005	.005	0	%100
79	HR-V4	Z	.005	.005	0	%100
80	HR-V9	Z	.005	.005	0	%100
81	HR-V12	Z	.005	.005	0	%100
82	HR-V5	Z	.005	.005	0	%100
83	HR-V8	Z	.005	.005	0	%100
84	MP-1	Z	.005	.005	0	%100
85	MP-2	Z	.005	.005	0	%100
86	MP-3	Z	.005	.005	0	%100
87	MP-4	Z	.005	.005	0	%100
88	MP-9	Z	.005	.005	0	%100
89	MP-10	Z	.005	.005	0	%100
90	MP-11	Z	.005	.005	0	%100
91	MP-12	Z	.005	.005	0	%100
92	MP-5	Z	.005	.005	0	%100
93	MP-6	Z	.005	.005	0	%100
94	MP-7	Z	.005	.005	0	%100
95	MP-8	Z	.005	.005	0	%100
96	MP-4B	Z	.005	.005	0	%100

Member Distributed Loads (BLC 18 : Ice Weight)

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	Y	-.012	-.012	0	%100
2	GSI1	Y	-.013	-.013	0	%100
3	GSI2	Y	-.013	-.013	0	%100
4	GSI3	Y	-.013	-.013	0	%100
5	IS-1	Y	-.013	-.013	0	%100
6	IS-2	Y	-.014	-.014	0	%100
7	PL1	Y	-.004	-.004	0	%100
8	PL2	Y	-.004	-.004	0	%100
9	PL3	Y	-.004	-.004	0	%100
10	SF1-H2	Y	-.012	-.012	0	%100
11	SF2-H2	Y	-.012	-.012	0	%100
12	FF-HR	Y	-.008	-.008	0	%100
13	SF1-HR	Y	-.008	-.008	0	%100
14	SF2-HR	Y	-.008	-.008	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
15	HR-V2	Y	-.005	-.005	0	%100
16	HR-V3	Y	-.005	-.005	0	%100
17	HR-H1	Y	-.005	-.005	0	%100
18	HR-D1	Y	-.005	-.005	0	%100
19	HR-D2	Y	-.005	-.005	0	%100
20	HR-V10	Y	-.005	-.005	0	%100
21	HR-V11	Y	-.005	-.005	0	%100
22	HR-H3	Y	-.005	-.005	0	%100
23	HR-D5	Y	-.005	-.005	0	%100
24	HR-D6	Y	-.005	-.005	0	%100
25	HR-V6	Y	-.005	-.005	0	%100
26	HR-V7	Y	-.005	-.005	0	%100
27	HR-H2	Y	-.005	-.005	0	%100
28	HR-D3	Y	-.005	-.005	0	%100
29	HR-D4	Y	-.005	-.005	0	%100
30	HR-V1	Y	-.005	-.005	0	%100
31	HR-V4	Y	-.005	-.005	0	%100
32	HR-V9	Y	-.005	-.005	0	%100
33	HR-V12	Y	-.005	-.005	0	%100
34	HR-V5	Y	-.005	-.005	0	%100
35	HR-V8	Y	-.005	-.005	0	%100
36	MP-1	Y	-.009	-.009	0	%100
37	MP-2	Y	-.009	-.009	0	%100
38	MP-3	Y	-.009	-.009	0	%100
39	MP-4	Y	-.009	-.009	0	%100
40	MP-9	Y	-.009	-.009	0	%100
41	MP-10	Y	-.009	-.009	0	%100
42	MP-11	Y	-.009	-.009	0	%100
43	MP-12	Y	-.009	-.009	0	%100
44	MP-5	Y	-.009	-.009	0	%100
45	MP-6	Y	-.009	-.009	0	%100
46	MP-7	Y	-.009	-.009	0	%100
47	MP-8	Y	-.009	-.009	0	%100
48	MP-4B	Y	-.009	-.009	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.007	-.007	0	%100
2	GSI1	X	-.006	-.006	0	%100
3	GSI2	X	-.006	-.006	0	%100
4	GSI3	X	-.006	-.006	0	%100
5	IS-1	X	-.006	-.006	0	%100
6	IS-2	X	-.006	-.006	0	%100
7	PL1	X	-.004	-.004	0	%100
8	PL2	X	-.004	-.004	0	%100
9	PL3	X	-.004	-.004	0	%100
10	SF1-H2	X	-.006	-.006	0	%100
11	SF2-H2	X	-.006	-.006	0	%100
12	FF-HR	X	-.006	-.006	0	%100
13	SF1-HR	X	-.005	-.005	0	%100
14	SF2-HR	X	-.005	-.005	0	%100
15	HR-V2	X	-.004	-.004	0	%100
16	HR-V3	X	-.004	-.004	0	%100
17	HR-H1	X	-.004	-.004	0	%100
18	HR-D1	X	-.004	-.004	0	%100
19	HR-D2	X	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
20	HR-V10	X	-.004	-.004	0	%100
21	HR-V11	X	-.004	-.004	0	%100
22	HR-H3	X	-.004	-.004	0	%100
23	HR-D5	X	-.004	-.004	0	%100
24	HR-D6	X	-.004	-.004	0	%100
25	HR-V6	X	-.004	-.004	0	%100
26	HR-V7	X	-.004	-.004	0	%100
27	HR-H2	X	-.004	-.004	0	%100
28	HR-D3	X	-.004	-.004	0	%100
29	HR-D4	X	-.004	-.004	0	%100
30	HR-V1	X	-.004	-.004	0	%100
31	HR-V4	X	-.004	-.004	0	%100
32	HR-V9	X	-.004	-.004	0	%100
33	HR-V12	X	-.004	-.004	0	%100
34	HR-V5	X	-.004	-.004	0	%100
35	HR-V8	X	-.004	-.004	0	%100
36	MP-1	X	-.003	-.003	0	%100
37	MP-2	X	-.003	-.003	0	%100
38	MP-3	X	-.003	-.003	0	%100
39	MP-4	X	-.003	-.003	0	%100
40	MP-9	X	-.003	-.003	0	%100
41	MP-10	X	-.003	-.003	0	%100
42	MP-11	X	-.003	-.003	0	%100
43	MP-12	X	-.003	-.003	0	%100
44	MP-5	X	-.003	-.003	0	%100
45	MP-6	X	-.003	-.003	0	%100
46	MP-7	X	-.003	-.003	0	%100
47	MP-8	X	-.003	-.003	0	%100
48	MP-4B	X	-.003	-.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.005	-.005	0	%100
2	GSI1	X	-.004	-.004	0	%100
3	GSI2	X	0	0	0	%100
4	GSI3	X	-.005	-.005	0	%100
5	IS-1	X	-.004	-.004	0	%100
6	IS-2	X	-.002	-.002	0	%100
7	PL1	X	-.002	-.002	0	%100
8	PL2	X	-.003	-.003	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	-.005	-.005	0	%100
11	SF2-H2	X	0	0	0	%100
12	FF-HR	X	-.004	-.004	0	%100
13	SF1-HR	X	-.004	-.004	0	%100
14	SF2-HR	X	0	0	0	%100
15	HR-V2	X	-.003	-.003	0	%100
16	HR-V3	X	-.003	-.003	0	%100
17	HR-H1	X	-.003	-.003	0	%100
18	HR-D1	X	-.003	-.003	0	%100
19	HR-D2	X	-.003	-.003	0	%100
20	HR-V10	X	-.003	-.003	0	%100
21	HR-V11	X	-.003	-.003	0	%100
22	HR-H3	X	-.003	-.003	0	%100
23	HR-D5	X	-.003	-.003	0	%100
24	HR-D6	X	-.003	-.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
25	HR-V6	X	-.003	-.003	0	%100
26	HR-V7	X	-.003	-.003	0	%100
27	HR-H2	X	0	0	0	%100
28	HR-D3	X	-.003	-.003	0	%100
29	HR-D4	X	-.003	-.003	0	%100
30	HR-V1	X	-.003	-.003	0	%100
31	HR-V4	X	-.003	-.003	0	%100
32	HR-V9	X	-.003	-.003	0	%100
33	HR-V12	X	-.003	-.003	0	%100
34	HR-V5	X	-.003	-.003	0	%100
35	HR-V8	X	-.003	-.003	0	%100
36	MP-1	X	-.002	-.002	0	%100
37	MP-2	X	-.002	-.002	0	%100
38	MP-3	X	-.002	-.002	0	%100
39	MP-4	X	-.002	-.002	0	%100
40	MP-9	X	-.002	-.002	0	%100
41	MP-10	X	-.002	-.002	0	%100
42	MP-11	X	-.002	-.002	0	%100
43	MP-12	X	-.002	-.002	0	%100
44	MP-5	X	-.002	-.002	0	%100
45	MP-6	X	-.002	-.002	0	%100
46	MP-7	X	-.002	-.002	0	%100
47	MP-8	X	-.002	-.002	0	%100
48	MP-4B	X	-.003	-.003	0	%100
49	FF-H2	Z	-.003	-.003	0	%100
50	GSI1	Z	-.003	-.003	0	%100
51	GSI2	Z	0	0	0	%100
52	GSI3	Z	-.002	-.002	0	%100
53	IS-1	Z	-.002	-.002	0	%100
54	IS-2	Z	-.001	-.001	0	%100
55	PL1	Z	-.000905	-.000905	0	%100
56	PL2	Z	-.002	-.002	0	%100
57	PL3	Z	-.000915	-.000915	0	%100
58	SF1-H2	Z	-.003	-.003	0	%100
59	SF2-H2	Z	0	0	0	%100
60	FF-HR	Z	-.002	-.002	0	%100
61	SF1-HR	Z	-.002	-.002	0	%100
62	SF2-HR	Z	0	0	0	%100
63	HR-V2	Z	-.002	-.002	0	%100
64	HR-V3	Z	-.002	-.002	0	%100
65	HR-H1	Z	-.002	-.002	0	%100
66	HR-D1	Z	-.002	-.002	0	%100
67	HR-D2	Z	-.002	-.002	0	%100
68	HR-V10	Z	-.002	-.002	0	%100
69	HR-V11	Z	-.002	-.002	0	%100
70	HR-H3	Z	-.002	-.002	0	%100
71	HR-D5	Z	-.002	-.002	0	%100
72	HR-D6	Z	-.002	-.002	0	%100
73	HR-V6	Z	-.002	-.002	0	%100
74	HR-V7	Z	-.002	-.002	0	%100
75	HR-H2	Z	0	0	0	%100
76	HR-D3	Z	-.002	-.002	0	%100
77	HR-D4	Z	-.002	-.002	0	%100
78	HR-V1	Z	-.002	-.002	0	%100
79	HR-V4	Z	-.002	-.002	0	%100
80	HR-V9	Z	-.002	-.002	0	%100
81	HR-V12	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
82	HR-V5	Z	-.002	-.002	0	%100
83	HR-V8	Z	-.002	-.002	0	%100
84	MP-1	Z	-.001	-.001	0	%100
85	MP-2	Z	-.001	-.001	0	%100
86	MP-3	Z	-.001	-.001	0	%100
87	MP-4	Z	-.001	-.001	0	%100
88	MP-9	Z	-.001	-.001	0	%100
89	MP-10	Z	-.001	-.001	0	%100
90	MP-11	Z	-.001	-.001	0	%100
91	MP-12	Z	-.001	-.001	0	%100
92	MP-5	Z	-.001	-.001	0	%100
93	MP-6	Z	-.001	-.001	0	%100
94	MP-7	Z	-.001	-.001	0	%100
95	MP-8	Z	-.001	-.001	0	%100
96	MP-4B	Z	-.002	-.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.004	-.004	0	%100
2	GSI1	X	-.004	-.004	0	%100
3	GSI2	X	-.001	-.001	0	%100
4	GSI3	X	-.003	-.003	0	%100
5	IS-1	X	-.003	-.003	0	%100
6	IS-2	X	-.003	-.003	0	%100
7	PL1	X	-.000663	-.000663	0	%100
8	PL2	X	-.002	-.002	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	-.004	-.004	0	%100
11	SF2-H2	X	-.001	-.001	0	%100
12	FF-HR	X	-.003	-.003	0	%100
13	SF1-HR	X	-.003	-.003	0	%100
14	SF2-HR	X	-.000899	-.000899	0	%100
15	HR-V2	X	-.003	-.003	0	%100
16	HR-V3	X	-.003	-.003	0	%100
17	HR-H1	X	-.002	-.002	0	%100
18	HR-D1	X	-.003	-.003	0	%100
19	HR-D2	X	-.003	-.003	0	%100
20	HR-V10	X	-.003	-.003	0	%100
21	HR-V11	X	-.003	-.003	0	%100
22	HR-H3	X	-.002	-.002	0	%100
23	HR-D5	X	-.003	-.003	0	%100
24	HR-D6	X	-.003	-.003	0	%100
25	HR-V6	X	-.003	-.003	0	%100
26	HR-V7	X	-.003	-.003	0	%100
27	HR-H2	X	-.00065	-.00065	0	%100
28	HR-D3	X	-.003	-.003	0	%100
29	HR-D4	X	-.003	-.003	0	%100
30	HR-V1	X	-.003	-.003	0	%100
31	HR-V4	X	-.003	-.003	0	%100
32	HR-V9	X	-.003	-.003	0	%100
33	HR-V12	X	-.003	-.003	0	%100
34	HR-V5	X	-.003	-.003	0	%100
35	HR-V8	X	-.003	-.003	0	%100
36	MP-1	X	-.002	-.002	0	%100
37	MP-2	X	-.002	-.002	0	%100
38	MP-3	X	-.002	-.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
39	MP-4	X	-.002	-.002	0	%100
40	MP-9	X	-.002	-.002	0	%100
41	MP-10	X	-.002	-.002	0	%100
42	MP-11	X	-.002	-.002	0	%100
43	MP-12	X	-.002	-.002	0	%100
44	MP-5	X	-.002	-.002	0	%100
45	MP-6	X	-.002	-.002	0	%100
46	MP-7	X	-.002	-.002	0	%100
47	MP-8	X	-.002	-.002	0	%100
48	MP-4B	X	-.002	-.002	0	%100
49	FF-H2	Z	-.003	-.003	0	%100
50	GSI1	Z	-.004	-.004	0	%100
51	GSI2	Z	-.001	-.001	0	%100
52	GSI3	Z	-.003	-.003	0	%100
53	IS-1	Z	-.003	-.003	0	%100
54	IS-2	Z	-.003	-.003	0	%100
55	PL1	Z	-.000662	-.000662	0	%100
56	PL2	Z	-.002	-.002	0	%100
57	PL3	Z	-.002	-.002	0	%100
58	SF1-H2	Z	-.005	-.005	0	%100
59	SF2-H2	Z	-.001	-.001	0	%100
60	FF-HR	Z	-.003	-.003	0	%100
61	SF1-HR	Z	-.004	-.004	0	%100
62	SF2-HR	Z	-.001	-.001	0	%100
63	HR-V2	Z	-.003	-.003	0	%100
64	HR-V3	Z	-.003	-.003	0	%100
65	HR-H1	Z	-.002	-.002	0	%100
66	HR-D1	Z	-.003	-.003	0	%100
67	HR-D2	Z	-.003	-.003	0	%100
68	HR-V10	Z	-.003	-.003	0	%100
69	HR-V11	Z	-.003	-.003	0	%100
70	HR-H3	Z	-.003	-.003	0	%100
71	HR-D5	Z	-.003	-.003	0	%100
72	HR-D6	Z	-.003	-.003	0	%100
73	HR-V6	Z	-.003	-.003	0	%100
74	HR-V7	Z	-.003	-.003	0	%100
75	HR-H2	Z	-.000707	-.000707	0	%100
76	HR-D3	Z	-.003	-.003	0	%100
77	HR-D4	Z	-.003	-.003	0	%100
78	HR-V1	Z	-.003	-.003	0	%100
79	HR-V4	Z	-.003	-.003	0	%100
80	HR-V9	Z	-.003	-.003	0	%100
81	HR-V12	Z	-.003	-.003	0	%100
82	HR-V5	Z	-.003	-.003	0	%100
83	HR-V8	Z	-.003	-.003	0	%100
84	MP-1	Z	-.002	-.002	0	%100
85	MP-2	Z	-.002	-.002	0	%100
86	MP-3	Z	-.002	-.002	0	%100
87	MP-4	Z	-.002	-.002	0	%100
88	MP-9	Z	-.002	-.002	0	%100
89	MP-10	Z	-.002	-.002	0	%100
90	MP-11	Z	-.002	-.002	0	%100
91	MP-12	Z	-.002	-.002	0	%100
92	MP-5	Z	-.002	-.002	0	%100
93	MP-6	Z	-.002	-.002	0	%100
94	MP-7	Z	-.002	-.002	0	%100
95	MP-8	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
96	MP-4B	Z	-.002	-.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.002	-.002	0	%100
2	GSI1	X	-.003	-.003	0	%100
3	GSI2	X	-.001	-.001	0	%100
4	GSI3	X	-.002	-.002	0	%100
5	IS-1	X	-.001	-.001	0	%100
6	IS-2	X	-.002	-.002	0	%100
7	PL1	X	0	0	0	%100
8	PL2	X	-.002	-.002	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	-.003	-.003	0	%100
11	SF2-H2	X	-.002	-.002	0	%100
12	FF-HR	X	-.001	-.001	0	%100
13	SF1-HR	X	-.002	-.002	0	%100
14	SF2-HR	X	-.001	-.001	0	%100
15	HR-V2	X	-.002	-.002	0	%100
16	HR-V3	X	-.002	-.002	0	%100
17	HR-H1	X	-.000991	-.000991	0	%100
18	HR-D1	X	-.002	-.002	0	%100
19	HR-D2	X	-.002	-.002	0	%100
20	HR-V10	X	-.002	-.002	0	%100
21	HR-V11	X	-.002	-.002	0	%100
22	HR-H3	X	-.002	-.002	0	%100
23	HR-D5	X	-.002	-.002	0	%100
24	HR-D6	X	-.002	-.002	0	%100
25	HR-V6	X	-.002	-.002	0	%100
26	HR-V7	X	-.002	-.002	0	%100
27	HR-H2	X	-.000888	-.000888	0	%100
28	HR-D3	X	-.002	-.002	0	%100
29	HR-D4	X	-.002	-.002	0	%100
30	HR-V1	X	-.002	-.002	0	%100
31	HR-V4	X	-.002	-.002	0	%100
32	HR-V9	X	-.002	-.002	0	%100
33	HR-V12	X	-.002	-.002	0	%100
34	HR-V5	X	-.002	-.002	0	%100
35	HR-V8	X	-.002	-.002	0	%100
36	MP-1	X	-.001	-.001	0	%100
37	MP-2	X	-.001	-.001	0	%100
38	MP-3	X	-.001	-.001	0	%100
39	MP-4	X	-.001	-.001	0	%100
40	MP-9	X	-.001	-.001	0	%100
41	MP-10	X	-.001	-.001	0	%100
42	MP-11	X	-.001	-.001	0	%100
43	MP-12	X	-.001	-.001	0	%100
44	MP-5	X	-.001	-.001	0	%100
45	MP-6	X	-.001	-.001	0	%100
46	MP-7	X	-.001	-.001	0	%100
47	MP-8	X	-.001	-.001	0	%100
48	MP-4B	X	-.001	-.001	0	%100
49	FF-H2	Z	-.003	-.003	0	%100
50	GSI1	Z	-.005	-.005	0	%100
51	GSI2	Z	-.003	-.003	0	%100
52	GSI3	Z	-.002	-.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
53	IS-1	Z	-.002	-.002	0	%100
54	IS-2	Z	-.004	-.004	0	%100
55	PL1	Z	0	0	0	%100
56	PL2	Z	-.003	-.003	0	%100
57	PL3	Z	-.003	-.003	0	%100
58	SF1-H2	Z	-.006	-.006	0	%100
59	SF2-H2	Z	-.003	-.003	0	%100
60	FF-HR	Z	-.002	-.002	0	%100
61	SF1-HR	Z	-.005	-.005	0	%100
62	SF2-HR	Z	-.002	-.002	0	%100
63	HR-V2	Z	-.003	-.003	0	%100
64	HR-V3	Z	-.003	-.003	0	%100
65	HR-H1	Z	-.002	-.002	0	%100
66	HR-D1	Z	-.004	-.004	0	%100
67	HR-D2	Z	-.004	-.004	0	%100
68	HR-V10	Z	-.003	-.003	0	%100
69	HR-V11	Z	-.003	-.003	0	%100
70	HR-H3	Z	-.003	-.003	0	%100
71	HR-D5	Z	-.004	-.004	0	%100
72	HR-D6	Z	-.004	-.004	0	%100
73	HR-V6	Z	-.003	-.003	0	%100
74	HR-V7	Z	-.003	-.003	0	%100
75	HR-H2	Z	-.002	-.002	0	%100
76	HR-D3	Z	-.004	-.004	0	%100
77	HR-D4	Z	-.004	-.004	0	%100
78	HR-V1	Z	-.003	-.003	0	%100
79	HR-V4	Z	-.003	-.003	0	%100
80	HR-V9	Z	-.003	-.003	0	%100
81	HR-V12	Z	-.003	-.003	0	%100
82	HR-V5	Z	-.003	-.003	0	%100
83	HR-V8	Z	-.003	-.003	0	%100
84	MP-1	Z	-.002	-.002	0	%100
85	MP-2	Z	-.002	-.002	0	%100
86	MP-3	Z	-.002	-.002	0	%100
87	MP-4	Z	-.002	-.002	0	%100
88	MP-9	Z	-.002	-.002	0	%100
89	MP-10	Z	-.002	-.002	0	%100
90	MP-11	Z	-.002	-.002	0	%100
91	MP-12	Z	-.002	-.002	0	%100
92	MP-5	Z	-.002	-.002	0	%100
93	MP-6	Z	-.002	-.002	0	%100
94	MP-7	Z	-.002	-.002	0	%100
95	MP-8	Z	-.002	-.002	0	%100
96	MP-4B	Z	-.003	-.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	Z	0	0	0	%100
2	GSI1	Z	-.005	-.005	0	%100
3	GSI2	Z	-.005	-.005	0	%100
4	GSI3	Z	0	0	0	%100
5	IS-1	Z	0	0	0	%100
6	IS-2	Z	-.006	-.006	0	%100
7	PL1	Z	-.002	-.002	0	%100
8	PL2	Z	-.002	-.002	0	%100
9	PL3	Z	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
10	SF1-H2	Z	-.006	-.006	0	%100
11	SF2-H2	Z	-.006	-.006	0	%100
12	FF-HR	Z	0	0	0	%100
13	SF1-HR	Z	-.005	-.005	0	%100
14	SF2-HR	Z	-.005	-.005	0	%100
15	HR-V2	Z	-.004	-.004	0	%100
16	HR-V3	Z	-.004	-.004	0	%100
17	HR-H1	Z	0	0	0	%100
18	HR-D1	Z	-.004	-.004	0	%100
19	HR-D2	Z	-.004	-.004	0	%100
20	HR-V10	Z	-.004	-.004	0	%100
21	HR-V11	Z	-.004	-.004	0	%100
22	HR-H3	Z	-.003	-.003	0	%100
23	HR-D5	Z	-.004	-.004	0	%100
24	HR-D6	Z	-.004	-.004	0	%100
25	HR-V6	Z	-.004	-.004	0	%100
26	HR-V7	Z	-.004	-.004	0	%100
27	HR-H2	Z	-.003	-.003	0	%100
28	HR-D3	Z	-.004	-.004	0	%100
29	HR-D4	Z	-.004	-.004	0	%100
30	HR-V1	Z	-.004	-.004	0	%100
31	HR-V4	Z	-.004	-.004	0	%100
32	HR-V9	Z	-.004	-.004	0	%100
33	HR-V12	Z	-.004	-.004	0	%100
34	HR-V5	Z	-.004	-.004	0	%100
35	HR-V8	Z	-.004	-.004	0	%100
36	MP-1	Z	-.003	-.003	0	%100
37	MP-2	Z	-.003	-.003	0	%100
38	MP-3	Z	-.003	-.003	0	%100
39	MP-4	Z	-.003	-.003	0	%100
40	MP-9	Z	-.003	-.003	0	%100
41	MP-10	Z	-.003	-.003	0	%100
42	MP-11	Z	-.003	-.003	0	%100
43	MP-12	Z	-.003	-.003	0	%100
44	MP-5	Z	-.003	-.003	0	%100
45	MP-6	Z	-.003	-.003	0	%100
46	MP-7	Z	-.003	-.003	0	%100
47	MP-8	Z	-.003	-.003	0	%100
48	MP-4B	Z	-.003	-.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.002	.002	0	%100
2	GSI1	X	.001	.001	0	%100
3	GSI2	X	.003	.003	0	%100
4	GSI3	X	.002	.002	0	%100
5	IS-1	X	.001	.001	0	%100
6	IS-2	X	.002	.002	0	%100
7	PL1	X	.002	.002	0	%100
8	PL2	X	0	0	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.002	.002	0	%100
11	SF2-H2	X	.003	.003	0	%100
12	FF-HR	X	.001	.001	0	%100
13	SF1-HR	X	.001	.001	0	%100
14	SF2-HR	X	.002	.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
15	HR-V2	X	.002	.002	0	%100
16	HR-V3	X	.002	.002	0	%100
17	HR-H1	X	.000991	.000991	0	%100
18	HR-D1	X	.002	.002	0	%100
19	HR-D2	X	.002	.002	0	%100
20	HR-V10	X	.002	.002	0	%100
21	HR-V11	X	.002	.002	0	%100
22	HR-H3	X	.000888	.000888	0	%100
23	HR-D5	X	.002	.002	0	%100
24	HR-D6	X	.002	.002	0	%100
25	HR-V6	X	.002	.002	0	%100
26	HR-V7	X	.002	.002	0	%100
27	HR-H2	X	.002	.002	0	%100
28	HR-D3	X	.002	.002	0	%100
29	HR-D4	X	.002	.002	0	%100
30	HR-V1	X	.002	.002	0	%100
31	HR-V4	X	.002	.002	0	%100
32	HR-V9	X	.002	.002	0	%100
33	HR-V12	X	.002	.002	0	%100
34	HR-V5	X	.002	.002	0	%100
35	HR-V8	X	.002	.002	0	%100
36	MP-1	X	.001	.001	0	%100
37	MP-2	X	.001	.001	0	%100
38	MP-3	X	.001	.001	0	%100
39	MP-4	X	.001	.001	0	%100
40	MP-9	X	.001	.001	0	%100
41	MP-10	X	.001	.001	0	%100
42	MP-11	X	.001	.001	0	%100
43	MP-12	X	.001	.001	0	%100
44	MP-5	X	.001	.001	0	%100
45	MP-6	X	.001	.001	0	%100
46	MP-7	X	.001	.001	0	%100
47	MP-8	X	.001	.001	0	%100
48	MP-4B	X	.001	.001	0	%100
49	FF-H2	Z	-.003	-.003	0	%100
50	GSI1	Z	-.003	-.003	0	%100
51	GSI2	Z	-.005	-.005	0	%100
52	GSI3	Z	-.002	-.002	0	%100
53	IS-1	Z	-.002	-.002	0	%100
54	IS-2	Z	-.004	-.004	0	%100
55	PL1	Z	-.003	-.003	0	%100
56	PL2	Z	0	0	0	%100
57	PL3	Z	-.003	-.003	0	%100
58	SF1-H2	Z	-.003	-.003	0	%100
59	SF2-H2	Z	-.006	-.006	0	%100
60	FF-HR	Z	-.002	-.002	0	%100
61	SF1-HR	Z	-.002	-.002	0	%100
62	SF2-HR	Z	-.005	-.005	0	%100
63	HR-V2	Z	-.003	-.003	0	%100
64	HR-V3	Z	-.003	-.003	0	%100
65	HR-H1	Z	-.002	-.002	0	%100
66	HR-D1	Z	-.004	-.004	0	%100
67	HR-D2	Z	-.004	-.004	0	%100
68	HR-V10	Z	-.003	-.003	0	%100
69	HR-V11	Z	-.003	-.003	0	%100
70	HR-H3	Z	-.002	-.002	0	%100
71	HR-D5	Z	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
72	HR-D6	Z	-.004	-.004	0	%100
73	HR-V6	Z	-.003	-.003	0	%100
74	HR-V7	Z	-.003	-.003	0	%100
75	HR-H2	Z	-.003	-.003	0	%100
76	HR-D3	Z	-.004	-.004	0	%100
77	HR-D4	Z	-.004	-.004	0	%100
78	HR-V1	Z	-.003	-.003	0	%100
79	HR-V4	Z	-.003	-.003	0	%100
80	HR-V9	Z	-.003	-.003	0	%100
81	HR-V12	Z	-.003	-.003	0	%100
82	HR-V5	Z	-.003	-.003	0	%100
83	HR-V8	Z	-.003	-.003	0	%100
84	MP-1	Z	-.002	-.002	0	%100
85	MP-2	Z	-.002	-.002	0	%100
86	MP-3	Z	-.002	-.002	0	%100
87	MP-4	Z	-.002	-.002	0	%100
88	MP-9	Z	-.002	-.002	0	%100
89	MP-10	Z	-.002	-.002	0	%100
90	MP-11	Z	-.002	-.002	0	%100
91	MP-12	Z	-.002	-.002	0	%100
92	MP-5	Z	-.002	-.002	0	%100
93	MP-6	Z	-.002	-.002	0	%100
94	MP-7	Z	-.002	-.002	0	%100
95	MP-8	Z	-.002	-.002	0	%100
96	MP-4B	Z	-.003	-.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.004	.004	0	%100
2	GSI1	X	.001	.001	0	%100
3	GSI2	X	.004	.004	0	%100
4	GSI3	X	.003	.003	0	%100
5	IS-1	X	.003	.003	0	%100
6	IS-2	X	.003	.003	0	%100
7	PL1	X	.002	.002	0	%100
8	PL2	X	.000663	.000663	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.001	.001	0	%100
11	SF2-H2	X	.004	.004	0	%100
12	FF-HR	X	.003	.003	0	%100
13	SF1-HR	X	.000899	.000899	0	%100
14	SF2-HR	X	.003	.003	0	%100
15	HR-V2	X	.003	.003	0	%100
16	HR-V3	X	.003	.003	0	%100
17	HR-H1	X	.002	.002	0	%100
18	HR-D1	X	.003	.003	0	%100
19	HR-D2	X	.003	.003	0	%100
20	HR-V10	X	.003	.003	0	%100
21	HR-V11	X	.003	.003	0	%100
22	HR-H3	X	.00065	.00065	0	%100
23	HR-D5	X	.003	.003	0	%100
24	HR-D6	X	.003	.003	0	%100
25	HR-V6	X	.003	.003	0	%100
26	HR-V7	X	.003	.003	0	%100
27	HR-H2	X	.002	.002	0	%100
28	HR-D3	X	.003	.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
29	HR-D4	X	.003	.003	0	%100
30	HR-V1	X	.003	.003	0	%100
31	HR-V4	X	.003	.003	0	%100
32	HR-V9	X	.003	.003	0	%100
33	HR-V12	X	.003	.003	0	%100
34	HR-V5	X	.003	.003	0	%100
35	HR-V8	X	.003	.003	0	%100
36	MP-1	X	.002	.002	0	%100
37	MP-2	X	.002	.002	0	%100
38	MP-3	X	.002	.002	0	%100
39	MP-4	X	.002	.002	0	%100
40	MP-9	X	.002	.002	0	%100
41	MP-10	X	.002	.002	0	%100
42	MP-11	X	.002	.002	0	%100
43	MP-12	X	.002	.002	0	%100
44	MP-5	X	.002	.002	0	%100
45	MP-6	X	.002	.002	0	%100
46	MP-7	X	.002	.002	0	%100
47	MP-8	X	.002	.002	0	%100
48	MP-4B	X	.002	.002	0	%100
49	FF-H2	Z	-.003	-.003	0	%100
50	GSI1	Z	-.001	-.001	0	%100
51	GSI2	Z	-.004	-.004	0	%100
52	GSI3	Z	-.003	-.003	0	%100
53	IS-1	Z	-.003	-.003	0	%100
54	IS-2	Z	-.003	-.003	0	%100
55	PL1	Z	-.002	-.002	0	%100
56	PL2	Z	-.000662	-.000662	0	%100
57	PL3	Z	-.002	-.002	0	%100
58	SF1-H2	Z	-.001	-.001	0	%100
59	SF2-H2	Z	-.005	-.005	0	%100
60	FF-HR	Z	-.003	-.003	0	%100
61	SF1-HR	Z	-.001	-.001	0	%100
62	SF2-HR	Z	-.004	-.004	0	%100
63	HR-V2	Z	-.003	-.003	0	%100
64	HR-V3	Z	-.003	-.003	0	%100
65	HR-H1	Z	-.002	-.002	0	%100
66	HR-D1	Z	-.003	-.003	0	%100
67	HR-D2	Z	-.003	-.003	0	%100
68	HR-V10	Z	-.003	-.003	0	%100
69	HR-V11	Z	-.003	-.003	0	%100
70	HR-H3	Z	-.000707	-.000707	0	%100
71	HR-D5	Z	-.003	-.003	0	%100
72	HR-D6	Z	-.003	-.003	0	%100
73	HR-V6	Z	-.003	-.003	0	%100
74	HR-V7	Z	-.003	-.003	0	%100
75	HR-H2	Z	-.003	-.003	0	%100
76	HR-D3	Z	-.003	-.003	0	%100
77	HR-D4	Z	-.003	-.003	0	%100
78	HR-V1	Z	-.003	-.003	0	%100
79	HR-V4	Z	-.003	-.003	0	%100
80	HR-V9	Z	-.003	-.003	0	%100
81	HR-V12	Z	-.003	-.003	0	%100
82	HR-V5	Z	-.003	-.003	0	%100
83	HR-V8	Z	-.003	-.003	0	%100
84	MP-1	Z	-.002	-.002	0	%100
85	MP-2	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
86	MP-3	Z	-.002	-.002	0	%100
87	MP-4	Z	-.002	-.002	0	%100
88	MP-9	Z	-.002	-.002	0	%100
89	MP-10	Z	-.002	-.002	0	%100
90	MP-11	Z	-.002	-.002	0	%100
91	MP-12	Z	-.002	-.002	0	%100
92	MP-5	Z	-.002	-.002	0	%100
93	MP-6	Z	-.002	-.002	0	%100
94	MP-7	Z	-.002	-.002	0	%100
95	MP-8	Z	-.002	-.002	0	%100
96	MP-4B	Z	-.002	-.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.005	.005	0	%100
2	GSI1	X	0	0	0	%100
3	GSI2	X	.004	.004	0	%100
4	GSI3	X	.005	.005	0	%100
5	IS-1	X	.004	.004	0	%100
6	IS-2	X	.002	.002	0	%100
7	PL1	X	.003	.003	0	%100
8	PL2	X	.002	.002	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	0	0	0	%100
11	SF2-H2	X	.005	.005	0	%100
12	FF-HR	X	.004	.004	0	%100
13	SF1-HR	X	0	0	0	%100
14	SF2-HR	X	.004	.004	0	%100
15	HR-V2	X	.003	.003	0	%100
16	HR-V3	X	.003	.003	0	%100
17	HR-H1	X	.003	.003	0	%100
18	HR-D1	X	.003	.003	0	%100
19	HR-D2	X	.003	.003	0	%100
20	HR-V10	X	.003	.003	0	%100
21	HR-V11	X	.003	.003	0	%100
22	HR-H3	X	0	0	0	%100
23	HR-D5	X	.003	.003	0	%100
24	HR-D6	X	.003	.003	0	%100
25	HR-V6	X	.003	.003	0	%100
26	HR-V7	X	.003	.003	0	%100
27	HR-H2	X	.003	.003	0	%100
28	HR-D3	X	.003	.003	0	%100
29	HR-D4	X	.003	.003	0	%100
30	HR-V1	X	.003	.003	0	%100
31	HR-V4	X	.003	.003	0	%100
32	HR-V9	X	.003	.003	0	%100
33	HR-V12	X	.003	.003	0	%100
34	HR-V5	X	.003	.003	0	%100
35	HR-V8	X	.003	.003	0	%100
36	MP-1	X	.002	.002	0	%100
37	MP-2	X	.002	.002	0	%100
38	MP-3	X	.002	.002	0	%100
39	MP-4	X	.002	.002	0	%100
40	MP-9	X	.002	.002	0	%100
41	MP-10	X	.002	.002	0	%100
42	MP-11	X	.002	.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
43	MP-12	X	.002	.002	0	%100
44	MP-5	X	.002	.002	0	%100
45	MP-6	X	.002	.002	0	%100
46	MP-7	X	.002	.002	0	%100
47	MP-8	X	.002	.002	0	%100
48	MP-4B	X	.003	.003	0	%100
49	FF-H2	Z	-.003	-.003	0	%100
50	GSI1	Z	0	0	0	%100
51	GSI2	Z	-.003	-.003	0	%100
52	GSI3	Z	-.002	-.002	0	%100
53	IS-1	Z	-.002	-.002	0	%100
54	IS-2	Z	-.001	-.001	0	%100
55	PL1	Z	-.002	-.002	0	%100
56	PL2	Z	-.000905	-.000905	0	%100
57	PL3	Z	-.000915	-.000915	0	%100
58	SF1-H2	Z	0	0	0	%100
59	SF2-H2	Z	-.003	-.003	0	%100
60	FF-HR	Z	-.002	-.002	0	%100
61	SF1-HR	Z	0	0	0	%100
62	SF2-HR	Z	-.002	-.002	0	%100
63	HR-V2	Z	-.002	-.002	0	%100
64	HR-V3	Z	-.002	-.002	0	%100
65	HR-H1	Z	-.002	-.002	0	%100
66	HR-D1	Z	-.002	-.002	0	%100
67	HR-D2	Z	-.002	-.002	0	%100
68	HR-V10	Z	-.002	-.002	0	%100
69	HR-V11	Z	-.002	-.002	0	%100
70	HR-H3	Z	0	0	0	%100
71	HR-D5	Z	-.002	-.002	0	%100
72	HR-D6	Z	-.002	-.002	0	%100
73	HR-V6	Z	-.002	-.002	0	%100
74	HR-V7	Z	-.002	-.002	0	%100
75	HR-H2	Z	-.002	-.002	0	%100
76	HR-D3	Z	-.002	-.002	0	%100
77	HR-D4	Z	-.002	-.002	0	%100
78	HR-V1	Z	-.002	-.002	0	%100
79	HR-V4	Z	-.002	-.002	0	%100
80	HR-V9	Z	-.002	-.002	0	%100
81	HR-V12	Z	-.002	-.002	0	%100
82	HR-V5	Z	-.002	-.002	0	%100
83	HR-V8	Z	-.002	-.002	0	%100
84	MP-1	Z	-.001	-.001	0	%100
85	MP-2	Z	-.001	-.001	0	%100
86	MP-3	Z	-.001	-.001	0	%100
87	MP-4	Z	-.001	-.001	0	%100
88	MP-9	Z	-.001	-.001	0	%100
89	MP-10	Z	-.001	-.001	0	%100
90	MP-11	Z	-.001	-.001	0	%100
91	MP-12	Z	-.001	-.001	0	%100
92	MP-5	Z	-.001	-.001	0	%100
93	MP-6	Z	-.001	-.001	0	%100
94	MP-7	Z	-.001	-.001	0	%100
95	MP-8	Z	-.001	-.001	0	%100
96	MP-4B	Z	-.002	-.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.007	.007	0	%100
2	GSI1	X	.006	.006	0	%100
3	GSI2	X	.006	.006	0	%100
4	GSI3	X	.006	.006	0	%100
5	IS-1	X	.006	.006	0	%100
6	IS-2	X	.006	.006	0	%100
7	PL1	X	.004	.004	0	%100
8	PL2	X	.004	.004	0	%100
9	PL3	X	.004	.004	0	%100
10	SF1-H2	X	.006	.006	0	%100
11	SF2-H2	X	.006	.006	0	%100
12	FF-HR	X	.006	.006	0	%100
13	SF1-HR	X	.005	.005	0	%100
14	SF2-HR	X	.005	.005	0	%100
15	HR-V2	X	.004	.004	0	%100
16	HR-V3	X	.004	.004	0	%100
17	HR-H1	X	.004	.004	0	%100
18	HR-D1	X	.004	.004	0	%100
19	HR-D2	X	.004	.004	0	%100
20	HR-V10	X	.004	.004	0	%100
21	HR-V11	X	.004	.004	0	%100
22	HR-H3	X	.004	.004	0	%100
23	HR-D5	X	.004	.004	0	%100
24	HR-D6	X	.004	.004	0	%100
25	HR-V6	X	.004	.004	0	%100
26	HR-V7	X	.004	.004	0	%100
27	HR-H2	X	.004	.004	0	%100
28	HR-D3	X	.004	.004	0	%100
29	HR-D4	X	.004	.004	0	%100
30	HR-V1	X	.004	.004	0	%100
31	HR-V4	X	.004	.004	0	%100
32	HR-V9	X	.004	.004	0	%100
33	HR-V12	X	.004	.004	0	%100
34	HR-V5	X	.004	.004	0	%100
35	HR-V8	X	.004	.004	0	%100
36	MP-1	X	.003	.003	0	%100
37	MP-2	X	.003	.003	0	%100
38	MP-3	X	.003	.003	0	%100
39	MP-4	X	.003	.003	0	%100
40	MP-9	X	.003	.003	0	%100
41	MP-10	X	.003	.003	0	%100
42	MP-11	X	.003	.003	0	%100
43	MP-12	X	.003	.003	0	%100
44	MP-5	X	.003	.003	0	%100
45	MP-6	X	.003	.003	0	%100
46	MP-7	X	.003	.003	0	%100
47	MP-8	X	.003	.003	0	%100
48	MP-4B	X	.003	.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.005	.005	0	%100
2	GSI1	X	.004	.004	0	%100
3	GSI2	X	0	0	0	%100
4	GSI3	X	.005	.005	0	%100
5	IS-1	X	.004	.004	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
6	IS-2	X	.002	.002	0	%100
7	PL1	X	.002	.002	0	%100
8	PL2	X	.003	.003	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.005	.005	0	%100
11	SF2-H2	X	0	0	0	%100
12	FF-HR	X	.004	.004	0	%100
13	SF1-HR	X	.004	.004	0	%100
14	SF2-HR	X	0	0	0	%100
15	HR-V2	X	.003	.003	0	%100
16	HR-V3	X	.003	.003	0	%100
17	HR-H1	X	.003	.003	0	%100
18	HR-D1	X	.003	.003	0	%100
19	HR-D2	X	.003	.003	0	%100
20	HR-V10	X	.003	.003	0	%100
21	HR-V11	X	.003	.003	0	%100
22	HR-H3	X	.003	.003	0	%100
23	HR-D5	X	.003	.003	0	%100
24	HR-D6	X	.003	.003	0	%100
25	HR-V6	X	.003	.003	0	%100
26	HR-V7	X	.003	.003	0	%100
27	HR-H2	X	0	0	0	%100
28	HR-D3	X	.003	.003	0	%100
29	HR-D4	X	.003	.003	0	%100
30	HR-V1	X	.003	.003	0	%100
31	HR-V4	X	.003	.003	0	%100
32	HR-V9	X	.003	.003	0	%100
33	HR-V12	X	.003	.003	0	%100
34	HR-V5	X	.003	.003	0	%100
35	HR-V8	X	.003	.003	0	%100
36	MP-1	X	.002	.002	0	%100
37	MP-2	X	.002	.002	0	%100
38	MP-3	X	.002	.002	0	%100
39	MP-4	X	.002	.002	0	%100
40	MP-9	X	.002	.002	0	%100
41	MP-10	X	.002	.002	0	%100
42	MP-11	X	.002	.002	0	%100
43	MP-12	X	.002	.002	0	%100
44	MP-5	X	.002	.002	0	%100
45	MP-6	X	.002	.002	0	%100
46	MP-7	X	.002	.002	0	%100
47	MP-8	X	.002	.002	0	%100
48	MP-4B	X	.003	.003	0	%100
49	FF-H2	Z	.003	.003	0	%100
50	GSI1	Z	.003	.003	0	%100
51	GSI2	Z	0	0	0	%100
52	GSI3	Z	.002	.002	0	%100
53	IS-1	Z	.002	.002	0	%100
54	IS-2	Z	.001	.001	0	%100
55	PL1	Z	.000905	.000905	0	%100
56	PL2	Z	.002	.002	0	%100
57	PL3	Z	.000915	.000915	0	%100
58	SF1-H2	Z	.003	.003	0	%100
59	SF2-H2	Z	0	0	0	%100
60	FF-HR	Z	.002	.002	0	%100
61	SF1-HR	Z	.002	.002	0	%100
62	SF2-HR	Z	0	0	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
63	HR-V2	Z	.002	.002	0	%100
64	HR-V3	Z	.002	.002	0	%100
65	HR-H1	Z	.002	.002	0	%100
66	HR-D1	Z	.002	.002	0	%100
67	HR-D2	Z	.002	.002	0	%100
68	HR-V10	Z	.002	.002	0	%100
69	HR-V11	Z	.002	.002	0	%100
70	HR-H3	Z	.002	.002	0	%100
71	HR-D5	Z	.002	.002	0	%100
72	HR-D6	Z	.002	.002	0	%100
73	HR-V6	Z	.002	.002	0	%100
74	HR-V7	Z	.002	.002	0	%100
75	HR-H2	Z	0	0	0	%100
76	HR-D3	Z	.002	.002	0	%100
77	HR-D4	Z	.002	.002	0	%100
78	HR-V1	Z	.002	.002	0	%100
79	HR-V4	Z	.002	.002	0	%100
80	HR-V9	Z	.002	.002	0	%100
81	HR-V12	Z	.002	.002	0	%100
82	HR-V5	Z	.002	.002	0	%100
83	HR-V8	Z	.002	.002	0	%100
84	MP-1	Z	.001	.001	0	%100
85	MP-2	Z	.001	.001	0	%100
86	MP-3	Z	.001	.001	0	%100
87	MP-4	Z	.001	.001	0	%100
88	MP-9	Z	.001	.001	0	%100
89	MP-10	Z	.001	.001	0	%100
90	MP-11	Z	.001	.001	0	%100
91	MP-12	Z	.001	.001	0	%100
92	MP-5	Z	.001	.001	0	%100
93	MP-6	Z	.001	.001	0	%100
94	MP-7	Z	.001	.001	0	%100
95	MP-8	Z	.001	.001	0	%100
96	MP-4B	Z	.002	.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.004	.004	0	%100
2	GSI1	X	.004	.004	0	%100
3	GSI2	X	.001	.001	0	%100
4	GSI3	X	.003	.003	0	%100
5	IS-1	X	.003	.003	0	%100
6	IS-2	X	.003	.003	0	%100
7	PL1	X	.000663	.000663	0	%100
8	PL2	X	.002	.002	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.004	.004	0	%100
11	SF2-H2	X	.001	.001	0	%100
12	FF-HR	X	.003	.003	0	%100
13	SF1-HR	X	.003	.003	0	%100
14	SF2-HR	X	.000899	.000899	0	%100
15	HR-V2	X	.003	.003	0	%100
16	HR-V3	X	.003	.003	0	%100
17	HR-H1	X	.002	.002	0	%100
18	HR-D1	X	.003	.003	0	%100
19	HR-D2	X	.003	.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
20	HR-V10	X	.003	.003	0	%100
21	HR-V11	X	.003	.003	0	%100
22	HR-H3	X	.002	.002	0	%100
23	HR-D5	X	.003	.003	0	%100
24	HR-D6	X	.003	.003	0	%100
25	HR-V6	X	.003	.003	0	%100
26	HR-V7	X	.003	.003	0	%100
27	HR-H2	X	.00065	.00065	0	%100
28	HR-D3	X	.003	.003	0	%100
29	HR-D4	X	.003	.003	0	%100
30	HR-V1	X	.003	.003	0	%100
31	HR-V4	X	.003	.003	0	%100
32	HR-V9	X	.003	.003	0	%100
33	HR-V12	X	.003	.003	0	%100
34	HR-V5	X	.003	.003	0	%100
35	HR-V8	X	.003	.003	0	%100
36	MP-1	X	.002	.002	0	%100
37	MP-2	X	.002	.002	0	%100
38	MP-3	X	.002	.002	0	%100
39	MP-4	X	.002	.002	0	%100
40	MP-9	X	.002	.002	0	%100
41	MP-10	X	.002	.002	0	%100
42	MP-11	X	.002	.002	0	%100
43	MP-12	X	.002	.002	0	%100
44	MP-5	X	.002	.002	0	%100
45	MP-6	X	.002	.002	0	%100
46	MP-7	X	.002	.002	0	%100
47	MP-8	X	.002	.002	0	%100
48	MP-4B	X	.002	.002	0	%100
49	FF-H2	Z	.003	.003	0	%100
50	GSI1	Z	.004	.004	0	%100
51	GSI2	Z	.001	.001	0	%100
52	GSI3	Z	.003	.003	0	%100
53	IS-1	Z	.003	.003	0	%100
54	IS-2	Z	.003	.003	0	%100
55	PL1	Z	.000662	.000662	0	%100
56	PL2	Z	.002	.002	0	%100
57	PL3	Z	.002	.002	0	%100
58	SF1-H2	Z	.005	.005	0	%100
59	SF2-H2	Z	.001	.001	0	%100
60	FF-HR	Z	.003	.003	0	%100
61	SF1-HR	Z	.004	.004	0	%100
62	SF2-HR	Z	.001	.001	0	%100
63	HR-V2	Z	.003	.003	0	%100
64	HR-V3	Z	.003	.003	0	%100
65	HR-H1	Z	.002	.002	0	%100
66	HR-D1	Z	.003	.003	0	%100
67	HR-D2	Z	.003	.003	0	%100
68	HR-V10	Z	.003	.003	0	%100
69	HR-V11	Z	.003	.003	0	%100
70	HR-H3	Z	.003	.003	0	%100
71	HR-D5	Z	.003	.003	0	%100
72	HR-D6	Z	.003	.003	0	%100
73	HR-V6	Z	.003	.003	0	%100
74	HR-V7	Z	.003	.003	0	%100
75	HR-H2	Z	.000707	.000707	0	%100
76	HR-D3	Z	.003	.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
77	HR-D4	Z	.003	.003	0	%100
78	HR-V1	Z	.003	.003	0	%100
79	HR-V4	Z	.003	.003	0	%100
80	HR-V9	Z	.003	.003	0	%100
81	HR-V12	Z	.003	.003	0	%100
82	HR-V5	Z	.003	.003	0	%100
83	HR-V8	Z	.003	.003	0	%100
84	MP-1	Z	.002	.002	0	%100
85	MP-2	Z	.002	.002	0	%100
86	MP-3	Z	.002	.002	0	%100
87	MP-4	Z	.002	.002	0	%100
88	MP-9	Z	.002	.002	0	%100
89	MP-10	Z	.002	.002	0	%100
90	MP-11	Z	.002	.002	0	%100
91	MP-12	Z	.002	.002	0	%100
92	MP-5	Z	.002	.002	0	%100
93	MP-6	Z	.002	.002	0	%100
94	MP-7	Z	.002	.002	0	%100
95	MP-8	Z	.002	.002	0	%100
96	MP-4B	Z	.002	.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	.002	.002	0	%100
2	GSI1	X	.003	.003	0	%100
3	GSI2	X	.001	.001	0	%100
4	GSI3	X	.002	.002	0	%100
5	IS-1	X	.001	.001	0	%100
6	IS-2	X	.002	.002	0	%100
7	PL1	X	0	0	0	%100
8	PL2	X	.002	.002	0	%100
9	PL3	X	.002	.002	0	%100
10	SF1-H2	X	.003	.003	0	%100
11	SF2-H2	X	.002	.002	0	%100
12	FF-HR	X	.001	.001	0	%100
13	SF1-HR	X	.002	.002	0	%100
14	SF2-HR	X	.001	.001	0	%100
15	HR-V2	X	.002	.002	0	%100
16	HR-V3	X	.002	.002	0	%100
17	HR-H1	X	.000991	.000991	0	%100
18	HR-D1	X	.002	.002	0	%100
19	HR-D2	X	.002	.002	0	%100
20	HR-V10	X	.002	.002	0	%100
21	HR-V11	X	.002	.002	0	%100
22	HR-H3	X	.002	.002	0	%100
23	HR-D5	X	.002	.002	0	%100
24	HR-D6	X	.002	.002	0	%100
25	HR-V6	X	.002	.002	0	%100
26	HR-V7	X	.002	.002	0	%100
27	HR-H2	X	.000888	.000888	0	%100
28	HR-D3	X	.002	.002	0	%100
29	HR-D4	X	.002	.002	0	%100
30	HR-V1	X	.002	.002	0	%100
31	HR-V4	X	.002	.002	0	%100
32	HR-V9	X	.002	.002	0	%100
33	HR-V12	X	.002	.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
34	HR-V5	X	.002	.002	0	%100
35	HR-V8	X	.002	.002	0	%100
36	MP-1	X	.001	.001	0	%100
37	MP-2	X	.001	.001	0	%100
38	MP-3	X	.001	.001	0	%100
39	MP-4	X	.001	.001	0	%100
40	MP-9	X	.001	.001	0	%100
41	MP-10	X	.001	.001	0	%100
42	MP-11	X	.001	.001	0	%100
43	MP-12	X	.001	.001	0	%100
44	MP-5	X	.001	.001	0	%100
45	MP-6	X	.001	.001	0	%100
46	MP-7	X	.001	.001	0	%100
47	MP-8	X	.001	.001	0	%100
48	MP-4B	X	.001	.001	0	%100
49	FF-H2	Z	.003	.003	0	%100
50	GSI1	Z	.005	.005	0	%100
51	GSI2	Z	.003	.003	0	%100
52	GSI3	Z	.002	.002	0	%100
53	IS-1	Z	.002	.002	0	%100
54	IS-2	Z	.004	.004	0	%100
55	PL1	Z	0	0	0	%100
56	PL2	Z	.003	.003	0	%100
57	PL3	Z	.003	.003	0	%100
58	SF1-H2	Z	.006	.006	0	%100
59	SF2-H2	Z	.003	.003	0	%100
60	FF-HR	Z	.002	.002	0	%100
61	SF1-HR	Z	.005	.005	0	%100
62	SF2-HR	Z	.002	.002	0	%100
63	HR-V2	Z	.003	.003	0	%100
64	HR-V3	Z	.003	.003	0	%100
65	HR-H1	Z	.002	.002	0	%100
66	HR-D1	Z	.004	.004	0	%100
67	HR-D2	Z	.004	.004	0	%100
68	HR-V10	Z	.003	.003	0	%100
69	HR-V11	Z	.003	.003	0	%100
70	HR-H3	Z	.003	.003	0	%100
71	HR-D5	Z	.004	.004	0	%100
72	HR-D6	Z	.004	.004	0	%100
73	HR-V6	Z	.003	.003	0	%100
74	HR-V7	Z	.003	.003	0	%100
75	HR-H2	Z	.002	.002	0	%100
76	HR-D3	Z	.004	.004	0	%100
77	HR-D4	Z	.004	.004	0	%100
78	HR-V1	Z	.003	.003	0	%100
79	HR-V4	Z	.003	.003	0	%100
80	HR-V9	Z	.003	.003	0	%100
81	HR-V12	Z	.003	.003	0	%100
82	HR-V5	Z	.003	.003	0	%100
83	HR-V8	Z	.003	.003	0	%100
84	MP-1	Z	.002	.002	0	%100
85	MP-2	Z	.002	.002	0	%100
86	MP-3	Z	.002	.002	0	%100
87	MP-4	Z	.002	.002	0	%100
88	MP-9	Z	.002	.002	0	%100
89	MP-10	Z	.002	.002	0	%100
90	MP-11	Z	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
91	MP-12	Z	.002	.002	0	%100
92	MP-5	Z	.002	.002	0	%100
93	MP-6	Z	.002	.002	0	%100
94	MP-7	Z	.002	.002	0	%100
95	MP-8	Z	.002	.002	0	%100
96	MP-4B	Z	.003	.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	Z	0	0	0	%100
2	GSI1	Z	.005	.005	0	%100
3	GSI2	Z	.005	.005	0	%100
4	GSI3	Z	0	0	0	%100
5	IS-1	Z	0	0	0	%100
6	IS-2	Z	.006	.006	0	%100
7	PL1	Z	.002	.002	0	%100
8	PL2	Z	.002	.002	0	%100
9	PL3	Z	.004	.004	0	%100
10	SF1-H2	Z	.006	.006	0	%100
11	SF2-H2	Z	.006	.006	0	%100
12	FF-HR	Z	0	0	0	%100
13	SF1-HR	Z	.005	.005	0	%100
14	SF2-HR	Z	.005	.005	0	%100
15	HR-V2	Z	.004	.004	0	%100
16	HR-V3	Z	.004	.004	0	%100
17	HR-H1	Z	0	0	0	%100
18	HR-D1	Z	.004	.004	0	%100
19	HR-D2	Z	.004	.004	0	%100
20	HR-V10	Z	.004	.004	0	%100
21	HR-V11	Z	.004	.004	0	%100
22	HR-H3	Z	.003	.003	0	%100
23	HR-D5	Z	.004	.004	0	%100
24	HR-D6	Z	.004	.004	0	%100
25	HR-V6	Z	.004	.004	0	%100
26	HR-V7	Z	.004	.004	0	%100
27	HR-H2	Z	.003	.003	0	%100
28	HR-D3	Z	.004	.004	0	%100
29	HR-D4	Z	.004	.004	0	%100
30	HR-V1	Z	.004	.004	0	%100
31	HR-V4	Z	.004	.004	0	%100
32	HR-V9	Z	.004	.004	0	%100
33	HR-V12	Z	.004	.004	0	%100
34	HR-V5	Z	.004	.004	0	%100
35	HR-V8	Z	.004	.004	0	%100
36	MP-1	Z	.003	.003	0	%100
37	MP-2	Z	.003	.003	0	%100
38	MP-3	Z	.003	.003	0	%100
39	MP-4	Z	.003	.003	0	%100
40	MP-9	Z	.003	.003	0	%100
41	MP-10	Z	.003	.003	0	%100
42	MP-11	Z	.003	.003	0	%100
43	MP-12	Z	.003	.003	0	%100
44	MP-5	Z	.003	.003	0	%100
45	MP-6	Z	.003	.003	0	%100
46	MP-7	Z	.003	.003	0	%100
47	MP-8	Z	.003	.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
48	MP-4B	Z	.003	.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.002	-.002	0	%100
2	GSI1	X	-.001	-.001	0	%100
3	GSI2	X	-.003	-.003	0	%100
4	GSI3	X	-.002	-.002	0	%100
5	IS-1	X	-.001	-.001	0	%100
6	IS-2	X	-.002	-.002	0	%100
7	PL1	X	-.002	-.002	0	%100
8	PL2	X	0	0	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	-.002	-.002	0	%100
11	SF2-H2	X	-.003	-.003	0	%100
12	FF-HR	X	-.001	-.001	0	%100
13	SF1-HR	X	-.001	-.001	0	%100
14	SF2-HR	X	-.002	-.002	0	%100
15	HR-V2	X	-.002	-.002	0	%100
16	HR-V3	X	-.002	-.002	0	%100
17	HR-H1	X	-.000991	-.000991	0	%100
18	HR-D1	X	-.002	-.002	0	%100
19	HR-D2	X	-.002	-.002	0	%100
20	HR-V10	X	-.002	-.002	0	%100
21	HR-V11	X	-.002	-.002	0	%100
22	HR-H3	X	-.000888	-.000888	0	%100
23	HR-D5	X	-.002	-.002	0	%100
24	HR-D6	X	-.002	-.002	0	%100
25	HR-V6	X	-.002	-.002	0	%100
26	HR-V7	X	-.002	-.002	0	%100
27	HR-H2	X	-.002	-.002	0	%100
28	HR-D3	X	-.002	-.002	0	%100
29	HR-D4	X	-.002	-.002	0	%100
30	HR-V1	X	-.002	-.002	0	%100
31	HR-V4	X	-.002	-.002	0	%100
32	HR-V9	X	-.002	-.002	0	%100
33	HR-V12	X	-.002	-.002	0	%100
34	HR-V5	X	-.002	-.002	0	%100
35	HR-V8	X	-.002	-.002	0	%100
36	MP-1	X	-.001	-.001	0	%100
37	MP-2	X	-.001	-.001	0	%100
38	MP-3	X	-.001	-.001	0	%100
39	MP-4	X	-.001	-.001	0	%100
40	MP-9	X	-.001	-.001	0	%100
41	MP-10	X	-.001	-.001	0	%100
42	MP-11	X	-.001	-.001	0	%100
43	MP-12	X	-.001	-.001	0	%100
44	MP-5	X	-.001	-.001	0	%100
45	MP-6	X	-.001	-.001	0	%100
46	MP-7	X	-.001	-.001	0	%100
47	MP-8	X	-.001	-.001	0	%100
48	MP-4B	X	-.001	-.001	0	%100
49	FF-H2	Z	.003	.003	0	%100
50	GSI1	Z	.003	.003	0	%100
51	GSI2	Z	.005	.005	0	%100
52	GSI3	Z	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
53	IS-1	Z	.002	.002	0	%100
54	IS-2	Z	.004	.004	0	%100
55	PL1	Z	.003	.003	0	%100
56	PL2	Z	0	0	0	%100
57	PL3	Z	.003	.003	0	%100
58	SF1-H2	Z	.003	.003	0	%100
59	SF2-H2	Z	.006	.006	0	%100
60	FF-HR	Z	.002	.002	0	%100
61	SF1-HR	Z	.002	.002	0	%100
62	SF2-HR	Z	.005	.005	0	%100
63	HR-V2	Z	.003	.003	0	%100
64	HR-V3	Z	.003	.003	0	%100
65	HR-H1	Z	.002	.002	0	%100
66	HR-D1	Z	.004	.004	0	%100
67	HR-D2	Z	.004	.004	0	%100
68	HR-V10	Z	.003	.003	0	%100
69	HR-V11	Z	.003	.003	0	%100
70	HR-H3	Z	.002	.002	0	%100
71	HR-D5	Z	.004	.004	0	%100
72	HR-D6	Z	.004	.004	0	%100
73	HR-V6	Z	.003	.003	0	%100
74	HR-V7	Z	.003	.003	0	%100
75	HR-H2	Z	.003	.003	0	%100
76	HR-D3	Z	.004	.004	0	%100
77	HR-D4	Z	.004	.004	0	%100
78	HR-V1	Z	.003	.003	0	%100
79	HR-V4	Z	.003	.003	0	%100
80	HR-V9	Z	.003	.003	0	%100
81	HR-V12	Z	.003	.003	0	%100
82	HR-V5	Z	.003	.003	0	%100
83	HR-V8	Z	.003	.003	0	%100
84	MP-1	Z	.002	.002	0	%100
85	MP-2	Z	.002	.002	0	%100
86	MP-3	Z	.002	.002	0	%100
87	MP-4	Z	.002	.002	0	%100
88	MP-9	Z	.002	.002	0	%100
89	MP-10	Z	.002	.002	0	%100
90	MP-11	Z	.002	.002	0	%100
91	MP-12	Z	.002	.002	0	%100
92	MP-5	Z	.002	.002	0	%100
93	MP-6	Z	.002	.002	0	%100
94	MP-7	Z	.002	.002	0	%100
95	MP-8	Z	.002	.002	0	%100
96	MP-4B	Z	.003	.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.004	-.004	0	%100
2	GSI1	X	-.001	-.001	0	%100
3	GSI2	X	-.004	-.004	0	%100
4	GSI3	X	-.003	-.003	0	%100
5	IS-1	X	-.003	-.003	0	%100
6	IS-2	X	-.003	-.003	0	%100
7	PL1	X	-.002	-.002	0	%100
8	PL2	X	-.000663	-.000663	0	%100
9	PL3	X	-.002	-.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
10	SF1-H2	X	-.001	-.001	0	%100
11	SF2-H2	X	-.004	-.004	0	%100
12	FF-HR	X	-.003	-.003	0	%100
13	SF1-HR	X	-.000899	-.000899	0	%100
14	SF2-HR	X	-.003	-.003	0	%100
15	HR-V2	X	-.003	-.003	0	%100
16	HR-V3	X	-.003	-.003	0	%100
17	HR-H1	X	-.002	-.002	0	%100
18	HR-D1	X	-.003	-.003	0	%100
19	HR-D2	X	-.003	-.003	0	%100
20	HR-V10	X	-.003	-.003	0	%100
21	HR-V11	X	-.003	-.003	0	%100
22	HR-H3	X	-.00065	-.00065	0	%100
23	HR-D5	X	-.003	-.003	0	%100
24	HR-D6	X	-.003	-.003	0	%100
25	HR-V6	X	-.003	-.003	0	%100
26	HR-V7	X	-.003	-.003	0	%100
27	HR-H2	X	-.002	-.002	0	%100
28	HR-D3	X	-.003	-.003	0	%100
29	HR-D4	X	-.003	-.003	0	%100
30	HR-V1	X	-.003	-.003	0	%100
31	HR-V4	X	-.003	-.003	0	%100
32	HR-V9	X	-.003	-.003	0	%100
33	HR-V12	X	-.003	-.003	0	%100
34	HR-V5	X	-.003	-.003	0	%100
35	HR-V8	X	-.003	-.003	0	%100
36	MP-1	X	-.002	-.002	0	%100
37	MP-2	X	-.002	-.002	0	%100
38	MP-3	X	-.002	-.002	0	%100
39	MP-4	X	-.002	-.002	0	%100
40	MP-9	X	-.002	-.002	0	%100
41	MP-10	X	-.002	-.002	0	%100
42	MP-11	X	-.002	-.002	0	%100
43	MP-12	X	-.002	-.002	0	%100
44	MP-5	X	-.002	-.002	0	%100
45	MP-6	X	-.002	-.002	0	%100
46	MP-7	X	-.002	-.002	0	%100
47	MP-8	X	-.002	-.002	0	%100
48	MP-4B	X	-.002	-.002	0	%100
49	FF-H2	Z	.003	.003	0	%100
50	GSI1	Z	.001	.001	0	%100
51	GSI2	Z	.004	.004	0	%100
52	GSI3	Z	.003	.003	0	%100
53	IS-1	Z	.003	.003	0	%100
54	IS-2	Z	.003	.003	0	%100
55	PL1	Z	.002	.002	0	%100
56	PL2	Z	.000662	.000662	0	%100
57	PL3	Z	.002	.002	0	%100
58	SF1-H2	Z	.001	.001	0	%100
59	SF2-H2	Z	.005	.005	0	%100
60	FF-HR	Z	.003	.003	0	%100
61	SF1-HR	Z	.001	.001	0	%100
62	SF2-HR	Z	.004	.004	0	%100
63	HR-V2	Z	.003	.003	0	%100
64	HR-V3	Z	.003	.003	0	%100
65	HR-H1	Z	.002	.002	0	%100
66	HR-D1	Z	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
67	HR-D2	Z	.003	.003	0	%100
68	HR-V10	Z	.003	.003	0	%100
69	HR-V11	Z	.003	.003	0	%100
70	HR-H3	Z	.000707	.000707	0	%100
71	HR-D5	Z	.003	.003	0	%100
72	HR-D6	Z	.003	.003	0	%100
73	HR-V6	Z	.003	.003	0	%100
74	HR-V7	Z	.003	.003	0	%100
75	HR-H2	Z	.003	.003	0	%100
76	HR-D3	Z	.003	.003	0	%100
77	HR-D4	Z	.003	.003	0	%100
78	HR-V1	Z	.003	.003	0	%100
79	HR-V4	Z	.003	.003	0	%100
80	HR-V9	Z	.003	.003	0	%100
81	HR-V12	Z	.003	.003	0	%100
82	HR-V5	Z	.003	.003	0	%100
83	HR-V8	Z	.003	.003	0	%100
84	MP-1	Z	.002	.002	0	%100
85	MP-2	Z	.002	.002	0	%100
86	MP-3	Z	.002	.002	0	%100
87	MP-4	Z	.002	.002	0	%100
88	MP-9	Z	.002	.002	0	%100
89	MP-10	Z	.002	.002	0	%100
90	MP-11	Z	.002	.002	0	%100
91	MP-12	Z	.002	.002	0	%100
92	MP-5	Z	.002	.002	0	%100
93	MP-6	Z	.002	.002	0	%100
94	MP-7	Z	.002	.002	0	%100
95	MP-8	Z	.002	.002	0	%100
96	MP-4B	Z	.002	.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	X	-.005	-.005	0	%100
2	GSI1	X	0	0	0	%100
3	GSI2	X	-.004	-.004	0	%100
4	GSI3	X	-.005	-.005	0	%100
5	IS-1	X	-.004	-.004	0	%100
6	IS-2	X	-.002	-.002	0	%100
7	PL1	X	-.003	-.003	0	%100
8	PL2	X	-.002	-.002	0	%100
9	PL3	X	-.002	-.002	0	%100
10	SF1-H2	X	0	0	0	%100
11	SF2-H2	X	-.005	-.005	0	%100
12	FF-HR	X	-.004	-.004	0	%100
13	SF1-HR	X	0	0	0	%100
14	SF2-HR	X	-.004	-.004	0	%100
15	HR-V2	X	-.003	-.003	0	%100
16	HR-V3	X	-.003	-.003	0	%100
17	HR-H1	X	-.003	-.003	0	%100
18	HR-D1	X	-.003	-.003	0	%100
19	HR-D2	X	-.003	-.003	0	%100
20	HR-V10	X	-.003	-.003	0	%100
21	HR-V11	X	-.003	-.003	0	%100
22	HR-H3	X	0	0	0	%100
23	HR-D5	X	-.003	-.003	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
24	HR-D6	X	-.003	-.003	0	%100
25	HR-V6	X	-.003	-.003	0	%100
26	HR-V7	X	-.003	-.003	0	%100
27	HR-H2	X	-.003	-.003	0	%100
28	HR-D3	X	-.003	-.003	0	%100
29	HR-D4	X	-.003	-.003	0	%100
30	HR-V1	X	-.003	-.003	0	%100
31	HR-V4	X	-.003	-.003	0	%100
32	HR-V9	X	-.003	-.003	0	%100
33	HR-V12	X	-.003	-.003	0	%100
34	HR-V5	X	-.003	-.003	0	%100
35	HR-V8	X	-.003	-.003	0	%100
36	MP-1	X	-.002	-.002	0	%100
37	MP-2	X	-.002	-.002	0	%100
38	MP-3	X	-.002	-.002	0	%100
39	MP-4	X	-.002	-.002	0	%100
40	MP-9	X	-.002	-.002	0	%100
41	MP-10	X	-.002	-.002	0	%100
42	MP-11	X	-.002	-.002	0	%100
43	MP-12	X	-.002	-.002	0	%100
44	MP-5	X	-.002	-.002	0	%100
45	MP-6	X	-.002	-.002	0	%100
46	MP-7	X	-.002	-.002	0	%100
47	MP-8	X	-.002	-.002	0	%100
48	MP-4B	X	-.003	-.003	0	%100
49	FF-H2	Z	.003	.003	0	%100
50	GSI1	Z	0	0	0	%100
51	GSI2	Z	.003	.003	0	%100
52	GSI3	Z	.002	.002	0	%100
53	IS-1	Z	.002	.002	0	%100
54	IS-2	Z	.001	.001	0	%100
55	PL1	Z	.002	.002	0	%100
56	PL2	Z	.000905	.000905	0	%100
57	PL3	Z	.000915	.000915	0	%100
58	SF1-H2	Z	0	0	0	%100
59	SF2-H2	Z	.003	.003	0	%100
60	FF-HR	Z	.002	.002	0	%100
61	SF1-HR	Z	0	0	0	%100
62	SF2-HR	Z	.002	.002	0	%100
63	HR-V2	Z	.002	.002	0	%100
64	HR-V3	Z	.002	.002	0	%100
65	HR-H1	Z	.002	.002	0	%100
66	HR-D1	Z	.002	.002	0	%100
67	HR-D2	Z	.002	.002	0	%100
68	HR-V10	Z	.002	.002	0	%100
69	HR-V11	Z	.002	.002	0	%100
70	HR-H3	Z	0	0	0	%100
71	HR-D5	Z	.002	.002	0	%100
72	HR-D6	Z	.002	.002	0	%100
73	HR-V6	Z	.002	.002	0	%100
74	HR-V7	Z	.002	.002	0	%100
75	HR-H2	Z	.002	.002	0	%100
76	HR-D3	Z	.002	.002	0	%100
77	HR-D4	Z	.002	.002	0	%100
78	HR-V1	Z	.002	.002	0	%100
79	HR-V4	Z	.002	.002	0	%100
80	HR-V9	Z	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

Oct 29, 2019
10:53 AM
Checked By: HBC

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
81	HR-V12	Z	.002	.002	0	%100
82	HR-V5	Z	.002	.002	0	%100
83	HR-V8	Z	.002	.002	0	%100
84	MP-1	Z	.001	.001	0	%100
85	MP-2	Z	.001	.001	0	%100
86	MP-3	Z	.001	.001	0	%100
87	MP-4	Z	.001	.001	0	%100
88	MP-9	Z	.001	.001	0	%100
89	MP-10	Z	.001	.001	0	%100
90	MP-11	Z	.001	.001	0	%100
91	MP-12	Z	.001	.001	0	%100
92	MP-5	Z	.001	.001	0	%100
93	MP-6	Z	.001	.001	0	%100
94	MP-7	Z	.001	.001	0	%100
95	MP-8	Z	.001	.001	0	%100
96	MP-4B	Z	.002	.002	0	%100

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	Y	-.011	-.011	1.413	3.587
2	GSI2	Y	-.105	-.034	.772	.964
3	GSI2	Y	-.034	.002	.964	1.156
4	GSI2	Y	.002	.002	1.156	1.348
5	GSI2	Y	.002	.002	1.348	1.54
6	GSI2	Y	.002	.002	1.54	1.732
7	GSI2	Y	.002	-.028	1.732	1.924
8	GSI2	Y	-.028	-.045	1.924	2.116
9	GSI2	Y	-.045	-.015	2.116	2.308
10	GSI2	Y	-.015	.002	2.308	2.5
11	GSI2	Y	.002	-.015	2.5	2.692
12	GSI2	Y	-.015	-.045	2.692	2.884
13	GSI2	Y	-.045	-.028	2.884	3.076
14	GSI2	Y	-.028	.002	3.076	3.268
15	GSI2	Y	.002	.002	3.268	3.46
16	GSI2	Y	.002	.002	3.46	3.652
17	GSI2	Y	.002	.002	3.652	3.845
18	GSI2	Y	.002	-.034	3.845	4.037
19	GSI2	Y	-.034	-.105	4.037	4.229
20	SF1-H2	Y	-.007	-.01	6.4	8.534
21	SF1-H2	Y	-.01	-.013	8.534	10.667
22	FF-H2	Y	-.105	-.034	6.438	6.63
23	FF-H2	Y	-.034	.002	6.63	6.822
24	FF-H2	Y	.002	.002	6.822	7.015
25	FF-H2	Y	.002	.002	7.015	7.207
26	FF-H2	Y	.002	.002	7.207	7.399
27	FF-H2	Y	.002	-.028	7.399	7.591
28	FF-H2	Y	-.028	-.045	7.591	7.783
29	FF-H2	Y	-.045	-.015	7.783	7.975
30	FF-H2	Y	-.015	.002	7.975	8.167
31	FF-H2	Y	.002	-.015	8.167	8.359
32	FF-H2	Y	-.015	-.045	8.359	8.551
33	FF-H2	Y	-.045	-.028	8.551	8.743
34	FF-H2	Y	-.028	.002	8.743	8.935
35	FF-H2	Y	.002	.002	8.935	9.127
36	FF-H2	Y	.002	.002	9.127	9.319
37	FF-H2	Y	.002	.002	9.319	9.511

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
38	FF-H2	Y	.002	-.034	9.511	9.703
39	FF-H2	Y	-.034	-.105	9.703	9.895
40	GSI1	Y	-.007	-.011	1	3
41	GSI1	Y	-.011	-.014	3	5
42	SF2-H2	Y	-.011	-.011	1.413	3.587
43	GSI3	Y	-.001	-.005	0	1
44	GSI3	Y	-.005	-.009	1	2
45	GSI3	Y	-.009	-.012	2	3
46	GSI3	Y	-.012	-.009	3	4
47	GSI3	Y	-.009	-.001	4	5
48	IS-1	Y	-.0005229	-.009	0	.577
49	IS-1	Y	-.009	-.017	.577	1.153
50	IS-1	Y	-.017	-.018	1.153	1.73
51	IS-1	Y	-.018	-.014	1.73	2.306
52	IS-1	Y	-.014	-.011	2.306	2.883
53	IS-2	Y	-.0003442	-.005	0	.367
54	IS-2	Y	-.005	-.012	.367	.733
55	IS-2	Y	-.012	-.013	.733	1.1
56	IS-2	Y	-.013	-.008	1.1	1.467
57	IS-2	Y	-.008	-.001	1.467	1.833
58	SF1-H2	Y	-.001	-.006	0	1.067
59	SF1-H2	Y	-.006	-.005	1.067	2.133
60	SF1-H2	Y	-.005	-.004	2.133	3.2
61	SF1-H2	Y	-.004	-.003	3.2	4.267
62	SF1-H2	Y	-.003	-.0002529	4.267	5.334
63	SF2-H2	Y	-.0001761	-.003	5.334	6.4
64	SF2-H2	Y	-.003	-.004	6.4	7.467
65	SF2-H2	Y	-.004	-.005	7.467	8.534
66	SF2-H2	Y	-.005	-.006	8.534	9.6
67	SF2-H2	Y	-.006	-.003	9.6	10.667

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
1	FF-H2	Y	-.007	-.007	1.413	3.587
2	GSI2	Y	-.07	-.022	.772	.964
3	GSI2	Y	-.022	.001	.964	1.156
4	GSI2	Y	.001	.001	1.156	1.348
5	GSI2	Y	.001	.001	1.348	1.54
6	GSI2	Y	.001	.001	1.54	1.732
7	GSI2	Y	.001	-.019	1.732	1.924
8	GSI2	Y	-.019	-.03	1.924	2.116
9	GSI2	Y	-.03	-.01	2.116	2.308
10	GSI2	Y	-.01	.001	2.308	2.5
11	GSI2	Y	.001	-.01	2.5	2.692
12	GSI2	Y	-.01	-.03	2.692	2.884
13	GSI2	Y	-.03	-.019	2.884	3.076
14	GSI2	Y	-.019	.001	3.076	3.268
15	GSI2	Y	.001	.001	3.268	3.46
16	GSI2	Y	.001	.001	3.46	3.652
17	GSI2	Y	.001	.001	3.652	3.845
18	GSI2	Y	.001	-.022	3.845	4.037
19	GSI2	Y	-.022	-.07	4.037	4.229
20	SF1-H2	Y	-.005	-.007	6.4	8.534
21	SF1-H2	Y	-.007	-.009	8.534	10.667
22	FF-H2	Y	-.07	-.022	6.438	6.63
23	FF-H2	Y	-.022	.001	6.63	6.822

Company : Tower Engineering Professionals, Inc.
Designer : TCS
Job Number : TEP No. 25608.317428
Model Name : BU# 800515 - CT CHESTER CAC 800515

Oct 29, 2019
10:53 AM
Checked By: HBC

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

	Member L...	Direct...	Start Magnitude[k/ft,F,...	End Magnitude[k/ft,F,ksf]	Start Location[ft,%]	End Loc...
24	FF-H2	Y	.001	.001	6.822	7.015
25	FF-H2	Y	.001	.001	7.015	7.207
26	FF-H2	Y	.001	.001	7.207	7.399
27	FF-H2	Y	.001	-.019	7.399	7.591
28	FF-H2	Y	-.019	-.03	7.591	7.783
29	FF-H2	Y	-.03	-.01	7.783	7.975
30	FF-H2	Y	-.01	.001	7.975	8.167
31	FF-H2	Y	.001	-.01	8.167	8.359
32	FF-H2	Y	-.01	-.03	8.359	8.551
33	FF-H2	Y	-.03	-.019	8.551	8.743
34	FF-H2	Y	-.019	.001	8.743	8.935
35	FF-H2	Y	.001	.001	8.935	9.127
36	FF-H2	Y	.001	.001	9.127	9.319
37	FF-H2	Y	.001	.001	9.319	9.511
38	FF-H2	Y	.001	-.022	9.511	9.703
39	FF-H2	Y	-.022	-.07	9.703	9.895
40	GSI1	Y	-.005	-.007	1	3
41	GSI1	Y	-.007	-.01	3	5
42	SF2-H2	Y	-.007	-.007	1.413	3.587
43	GSI3	Y	-.0009718	-.003	0	1
44	GSI3	Y	-.003	-.006	1	2
45	GSI3	Y	-.006	-.008	2	3
46	GSI3	Y	-.008	-.006	3	4
47	GSI3	Y	-.006	-.000926	4	5
48	IS-1	Y	-.0003486	-.006	0	.577
49	IS-1	Y	-.006	-.012	.577	1.153
50	IS-1	Y	-.012	-.012	1.153	1.73
51	IS-1	Y	-.012	-.01	1.73	2.306
52	IS-1	Y	-.01	-.008	2.306	2.883
53	IS-2	Y	-.0002295	-.004	0	.367
54	IS-2	Y	-.004	-.008	.367	.733
55	IS-2	Y	-.008	-.009	.733	1.1
56	IS-2	Y	-.009	-.005	1.1	1.467
57	IS-2	Y	-.005	-.0008786	1.467	1.833
58	SF1-H2	Y	-.0007842	-.004	0	1.067
59	SF1-H2	Y	-.004	-.004	1.067	2.133
60	SF1-H2	Y	-.004	-.003	2.133	3.2
61	SF1-H2	Y	-.003	-.002	3.2	4.267
62	SF1-H2	Y	-.002	-.0001686	4.267	5.334
63	SF2-H2	Y	-.0001174	-.002	5.334	6.4
64	SF2-H2	Y	-.002	-.003	6.4	7.467
65	SF2-H2	Y	-.003	-.003	7.467	8.534
66	SF2-H2	Y	-.003	-.004	8.534	9.6
67	SF2-H2	Y	-.004	-.002	9.6	10.667

Member Area Loads (BLC 1 : Dead)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	GSI5	FF2	GSI2		Y	Two Way	-.012
2	GSI1	GSI4	FF4		Y	Two Way	-.012
3	GSI6	GSI3	SF1-2		Y	Two Way	-.012

Member Area Loads (BLC 18 : Ice Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	GSI5	FF2	GSI2		Y	Two Way	-.008
2	GSI1	GSI4	FF4		Y	Two Way	-.008

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
3	GSI6	GSI3	SF1-2		Y	Two Way	-.008

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Lo...	...	phi*...	phi*...	phi*...	phi*...	...	Eqn
1	GSI1	C5X9	.613	2.5	29	.064	2.5	y	75.6...	85.5...	1.909	11.8...		H1-...
2	GSI3	C5X9	.608	2.5	18	.076	1....	y	75.6...	85.5...	1.909	11.8...		H1-...
3	FF-HR	L3X3X4	.605	7	2	.064	10...	z	24.8...	46.6...	1.688	2.696		H2-1
4	GSI2	C5X9	.590	2.5	23	.063	2.5	y	75.6...	85.5...	1.909	11.8...		H1-...
5	SF2-HR	L3X3X4	.506	3.556	31	.071	9....	y	7 24.8...	46.6...	1.688	2.748		H2-1
6	SF2-H2	C5X9	.481	5.667	29	.219	5....	z	70.0...	85.5...	1.909	11.8...		H1-...
7	SF1-HR	L3X3X4	.477	3.556	21	.065	9....	y	24.8...	46.6...	1.688	2.67		H2-1
8	FF-H2	C5X9	.439	5	28	.224	5....	z	70.0...	85.5...	1.909	11.8...		H1-...
9	SF1-H2	C5X9	.417	5	33	.216	3....	y	70.0...	85.5...	1.909	11.8...		H1-...
10	MP-4	PIPE_2.0	.358	1.5	30	.235	1.5	2	30.4...	32.13	1.872	1.872		H1-...
11	PL1	PL1x14	.319	0	29	.207	0	y	438....	453.6	9.45	132.3		H1-...
12	PL3	PL1x14	.317	0	18	.211	0	y	438....	453.6	9.45	132.3		H1-...
13	PL2	PL1x14	.315	0	23	.209	0	y	438....	453.6	9.45	132.3		H1-...
14	HR-D3	L1.75X1.75X4	.311	2.153	33	.010	0	y	8.339	26.3...	.512	1.089		H2-1
15	HR-D1	L1.75X1.75X4	.306	2.153	27	.008	4....	z	8.339	26.3...	.512	1.089		H2-1
16	HR-D2	L1.75X1.75X4	.305	2.153	25	.015	4....	z	8.339	26.3...	.512	1.089		H2-1
17	HR-D4	L1.75X1.75X4	.294	2.153	30	.010	0	y	8.339	26.3...	.512	1.089		H2-1
18	HR-D6	L1.75X1.75X4	.293	2.153	19	.010	0	z	8.339	26.3...	.512	1.089		H2-1
19	HR-D5	L1.75X1.75X4	.287	2.153	22	.007	0	z	8.339	26.3...	.512	1.089		H2-1
20	MP-10	PIPE_2.0	.286	4.5	23	.114	1.5		19.9...	32.13	1.872	1.872		H1-...
21	MP-6	PIPE_2.0	.282	4.5	18	.128	1.5		19.9...	32.13	1.872	1.872		H1-...
22	MP-3	PIPE_2.0	.270	4.5	23	.138	1.5	2	19.9...	32.13	1.872	1.872		H1-...
23	MP-2	PIPE_2.0	.260	4.5	29	.151	1.5	2	19.9...	32.13	1.872	1.872		H1-...
24	MP-4B	PIPE_2.0	.236	9.479	18	.009	9....		2.471	32.13	1.872	1.872		H1-...
25	MP-5	PIPE_2.0	.231	4.5	18	.170	1.5		19.9...	32.13	1.872	1.872		H1-...
26	MP-9	PIPE_2.0	.226	4.5	23	.180	4.5		19.9...	32.13	1.872	1.872		H1-...
27	IS-1	C5X9	.222	0	31	.089	.27	z	76.4...	85.5...	1.909	11.8...		H1-...
28	MP-7	PIPE_2.0	.218	4.5	29	.171	1.5		19.9...	32.13	1.872	1.872		H1-...
29	MP-1	PIPE_2.0	.215	4.5	29	.202	1.5		19.9...	32.13	1.872	1.872		H1-...
30	MP-11	PIPE_2.0	.214	4.5	18	.156	1.5		19.9...	32.13	1.872	1.872		H1-...
31	MP-12	PIPE_2.0	.206	4.5	18	.154	1.5		19.9...	32.13	1.872	1.872		H1-...
32	MP-8	PIPE_2.0	.201	4.5	29	.183	4.5	7	19.9...	32.13	1.872	1.872		H1-...
33	HR-H3	L1.75X1.75X4	.159	0	18	.010	0	z	20.5...	26.3...	.512	1.176		H2-1
34	IS-2	C5X9	.128	0	33	.038	.917	z	80.5...	85.5...	1.909	11.8...		H1-...
35	HR-V4	L1.75X1.75X4	.086	1.5	14	.040	0	y	2 14.6...	26.3...	.512	1.155		H2-1
36	HR-V5	L1.75X1.75X4	.077	1.5	11	.031	0	z	7 14.6...	26.3...	.512	1.155		H2-1
37	HR-V1	L1.75X1.75X4	.068	1.5	5	.036	0	z	2 14.6...	26.3...	.512	1.155		H2-1
38	HR-V9	L1.75X1.75X4	.068	1.5	14	.032	0	z	14.6...	26.3...	.512	1.155		H2-1
39	HR-V8	L1.75X1.75X4	.061	1.5	4	.034	0	y	7 14.6...	26.3...	.512	1.155		H2-1
40	HR-V12	L1.75X1.75X4	.055	1.5	11	.029	0	y	14.6...	26.3...	.512	1.155		H2-1
41	HR-H1	L1.75X1.75X4	.050	1.5	26	.007	0	z	20.5...	26.3...	.512	1.155		H2-1
42	HR-H2	L1.75X1.75X4	.047	1.5	31	.006	3	z	20.5...	26.3...	.512	1.155		H2-1

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

Member	Shape	Code Check	Loc[ft]	LC	Shea...	Loc[...	DirLC	phi*Pn...	phi*Tn...	phi*M...	phi*M...	phi*...	phi*...	Cb	Eqn
No Data to Print ...															

APPENDIX D

ADDITIONAL CALCULATIONS

Job Name: BU#800515 - CT CHESTER CAC 800515
Job Number: TEP #25608.317428
Calc: TCS Check: HBC
Date: 10/29/2019

Moment Bolt Group - Tower Connection

Bolt Size:	0.75	in
# Bolts:	3	
Plate Width:	-	in
Plate Height:	-	in
Bolt H Gap:	9	in
Bolt V Gap:	0	in
Plate T:	-	in
Slip Member Ø:	-	in
Bolt Grade:	A325N	
Fu_{bolt}:	120	ksi
r:	4.5000	in
J:	60.75	in^4/in^2
$Bolt_{Area}$:	0.442	in^2
$Bolt_{Area, Net Tensile}$:	0.334	in^2
Pretension:	28	kips
Slotted Holes:	No	

Code Checks Per ANSI/TIA-222-H:		
Bolt Capacity =	**12.6%**	**PASS**

Exhibit F

Power Density/RF Emissions Report

Site Name: Chester 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)	(%)
VZW 700	746	4	609	2437	140	0.0447	0.497333333	8.99%
VZW Cellular	869	1	461	461.37	140	0.0085	0.579333333	1.46%
VZW Cellular	880	4	305	1221.4	140	0.0224	0.586666667	3.82%
VZW PCS	1970	4	1428	5712.92	140	0.1048	1.0	10.48%
VZW AWS	2145	4	1530	6121.52	140	0.1123	1.0	11.23%
Total Percentage of Maximum Permissible Exposure								35.99%

*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.