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

March 17, 2022

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

RE: **Notice of Exempt Modification for ATT**
Crown#806368; ATT Site ID CTL01100
374 Three Mile Road, Glastonbury CT 06033
Latitude: 41° 41′ 36.93" / Longitude: -72° 32' 50.11″

Dear Ms. Bachman:

ATT currently maintains nine (9) antennas at the 140-foot mount on the existing 145-foot monopole tower located at 374 Three Mile Road, Glastonbury CT. The property is owned by John R. Flanagan and the tower is owned by Crown Castle. ATT now intends to add three (3) new antennas, replace nine (9) antennas and ancillary equipment at the 140ft level. This modification/proposal includes hardware that is both 4G (LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

Installed New:

(2) CCI – OPA65R-BU8DA Antennas
(6) Ericsson - AIR6449 N77D + AIR 6419 N77G Stacked Antennas
(2) CCI – DMP65R-BU6DA Antennas
(1) CCI – OPA65R-BU6DA Antennas
(1) CCI – DMP65R-BU6DA Antennas
(3) Ericsson – 4426 B65 RRU
(3) Ericsson – 4449 B5/B12 RRU
(3) Ericsson 4478 B14 RRU
(3) Ericsson B32 B2 RRU
(2) Fiber Cables
(4) DC Cables
(3) Y Cables
(2) Ray Caps DC9-48-60-24-8C-EV

Remove:

(4) Powerwave-7770 Antennas
(2) CCI-HPA-65R-BUU-H8 Antennas
(2) Powerwave-P65-17-XLH-RR Antennas
(1) CCI-HPA-65R-BUU-H6 Antennas
(3) Ericsson 11 B12 RRU
(3) Ericsson 32 B2 RRU
(3) Powerwave – TT19-088P111-001 TMAs
(3) Comm Components DTMA8P7819VG12A
(1) Ray Cap
(1) Fiber Cable
(6) Coax Cables

Ground:

Install New:

(1.) 6648 W/XCEDE Cable
4-Way GPS Splitter
(1) DC12-48-60-RM
(3) Rectifier

Remove:

(6) LGP21901 Diplexer
(6) CM1007-DBPXBC-003 Diplexers

The facility was approved by the Connecticut Siting Council on October 21, 1996. The Council's Decision and Order include Conditions which this proposed exempt modification complies with.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Richard Johnson - Town Manager, Town of Glastonbury, Rebecca Augur – Director of Planning and Land Use Town of Glastonbury. John R. Flanagan, Property Owner and Crown Castle is the tower owner.

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

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

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

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

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

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

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

Sincerely,

Jeffrey Barbadora
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
(781) 970-0053 Jeff.Barbadora@crowncastle.com

Attachments
cc:

Richard Johnson Town Manager
Town of Glastonbury
2155 Main Street, 2nd Floor
Glastonbury, CT 06033
860-652-7500

Rebecca Augur – Director of Planning and Land Use
Town of Glastonbury
2155 Main Street, 3rd Floor
Glastonbury, CT 06033
860-652-7510

John R. Flanagan– Property Owner
366 Three Mile Road
Glastonbury, CT 06033

Crown Castle, Tower Owner

DOCKET NO. 174 - An application of Cellco Partnership d/b/a Bell Atlantic NYNEX Mobile for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility and associated equipment located within an approximately 30-acre parcel at 366 Three Mile Road, in the East Glastonbury section of the Town of Glastonbury, Connecticut. The proposed alternate one site is located within the same approximately 30-acre parcel at 366 Three Mile Road. The proposed alternate two site is located within an approximately 50-acre parcel at 1952 New London Turnpike, in the East Glastonbury section of the Town of Glastonbury, Connecticut.

Connecticut Siting Council

October 21, 1996

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a cellular telecommunications tower and equipment building at the proposed prime site in Glastonbury, 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 NYNEX Mobile (BANM) for the construction, operation, and maintenance of a cellular telecommunications tower, associated equipment, and building at the proposed prime site, located within a 30-acre parcel at Three Mile Road, Glastonbury, Connecticut. We find the effects on scenic resources and adjacent land uses of the first alternate site and second alternate site to be significant, and therefore deny certification of these sites.

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 communications service, sufficient to accommodate the antennas of Springwich Cellular Limited Partnership and the Town of Glastonbury, and not to 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 relocation of the tower within the leased parcel to prevent the fall zone of the tower from crossing the nearby Connecticut Light and Power Company transmission lines; plans for the tower foundation; specifications for the placement of all antennas to be attached to this tower; plans for the equipment building and security fence; plans for the access road and utility line installation from Three Mile Road; plans for site clearing and tree trimming; plans for water drainage and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and plans for the

construction of an architecturally treated gate at the entrance to the access road from Three Mile Road; and plans for the installation of a propane tank to fuel the emergency generator.

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 reapplication for any continued or new use shall be made to the Council before any such use is made.

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

8. The Certificate Holder shall notify the Council upon completion of construction and provide the final cost to construct the facility.

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 and The Glastonbury Citizen.

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
Bell Atlantic NYNEX Mobile

ITS REPRESENTATIVE
Kenneth C. Baldwin, Esq.
Brian C. S. Freeman, Esq.
Robinson & Cole
One Commercial Plaza
Hartford, CT 06103-3597

Mr. David S. Malko, P.E.
Sandy M. Ranciato, Manager - Real Estate/Zoning
Bell Atlantic NYNEX Mobile

	20 Alexander Drive Wallingford, CT 06492
PARTY Town of Glastonbury	**ITS REPRESENTATIVE** William S. Fish, Jr., Esq. Kevin S. Murphy, Esq. Tyler, Cooper & Alcorn CityPlace - 35th Floor Hartford, CT 06103-3488
INTERVENOR Springwich Cellular Limited Partnership	**ITS REPRESENTATIVE** Peter J. Tyrrell, Esq. Springwich Cellular Limited Partnership 500 Enterprise Drive Rocky Hill, CT 06067-3900

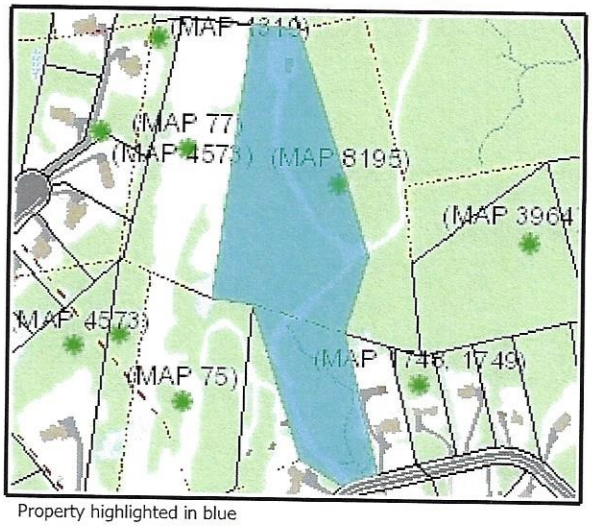
Town of Glastonbury GIS Parcel Report

Report Generated 3/17/2022 10:43:14 AM

Owner of Record

GIS ID: 70600374
Owner: FLANAGAN JOHN R
Co-Owner:
Address: 366 THREE MILE RD
City, State ZIP: GLASTONBURY, CT 06033-3837

Account Number: 70600374
Property Address: 374 THREE MILE RD



Property highlighted in blue

Parcel Information

Map/Street/Lot I8 / 7060 / S0035 **Property ID:** 13664
Developer Lot ID: 72 **Water:** Well
Parcel Acreage: 9.08 **Sewer:** Septic
Zoning Code: RR **Census:** 5204

Valuation Summary

Item	Appraised Value	Assessed Value
Buildings	0	0
Land	1044200	684200
Appurtenances	173300	121300
Total	**1217500**	**805500**

Building Picture Not Applicable

Owner of Record	Deed / Page	Sale Date	Sale Price
FLANAGAN JOHN R	3772/0193	2022-02-07	0
FLANAGAN JOSEPHINE I+JOHN R	2725/0212	2009-12-31	0
FLANAGAN JOSEPHINE I TRUSTEE	2725/0205	2009-12-31	0
FLANAGAN JOSEPHINE I TRUSTEE	2725/0210	2009-12-31	0
FLANAGAN JOSEPHINE I TRUSTEE	1884/0085	2003-07-30	0
FLANAGAN JOSEPHINE I TR+JOSEPHINE I	1828/0149	2003-06-02	0
FLANAGAN JOSEPHINE I TR+JAMES F	1828/0145	2003-06-02	0
FLANAGAN JOSEPHINE+JAMES F	0251/1107	1980-12-31	0

Building Information

Building ID 0

Year Constructed :
Building Type :
Style :
Occupany :
Stories :
Building Zone :
Roof Type :
Roof Material :
Est. Gross S.F. :
Est. Living S.F. :

Number of Rooms :
Number of Bedrooms :
Number of Bathrooms :
Number of Half-Baths :
Exterior Wall :
Interior Wall :
Interior Floor :
Interior Floor #2 :
Air Conditioning Type :
Heat Type :
Fuel Type :

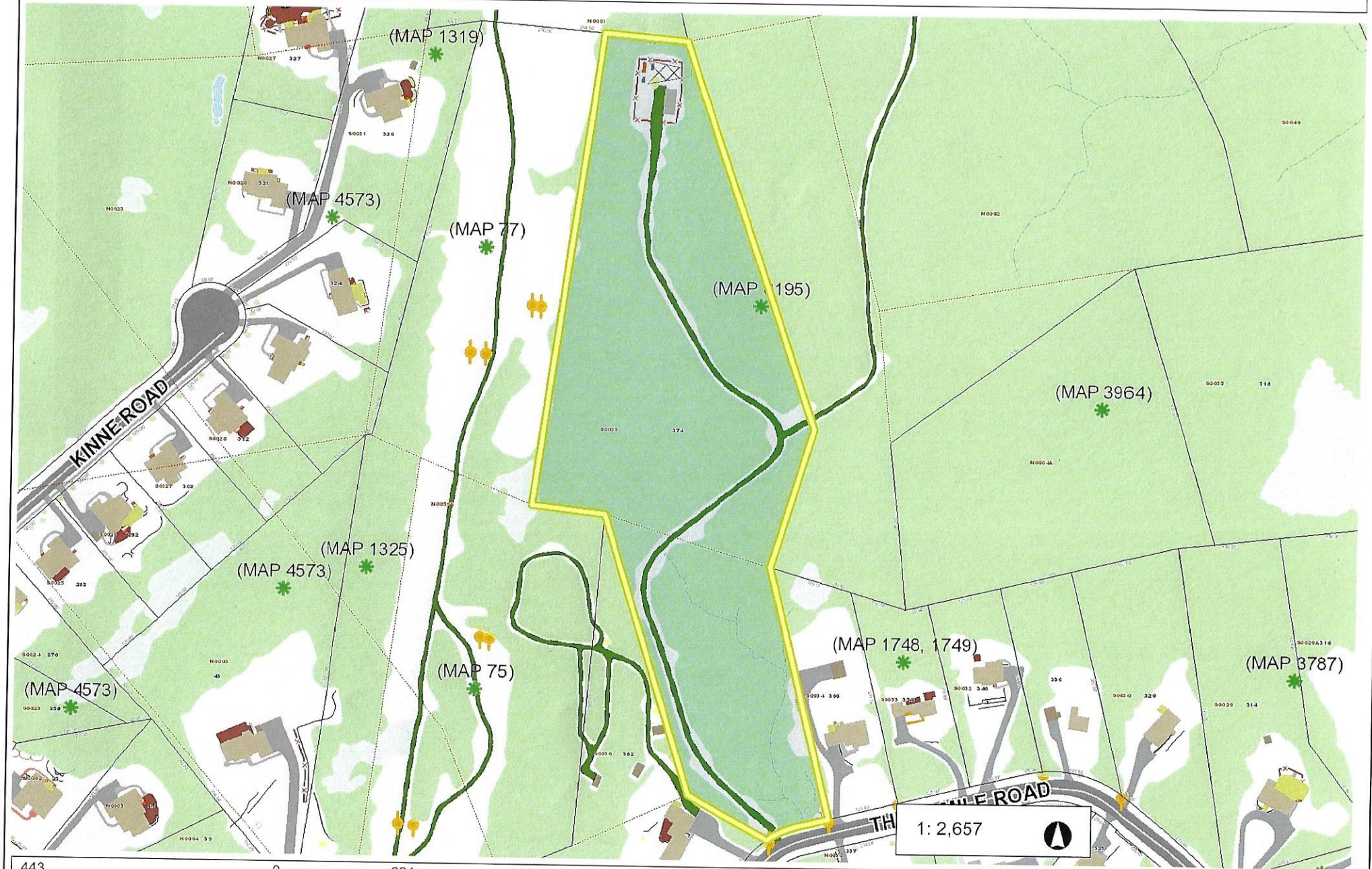
Building Sketch Not Applicable

Subarea Type	Est. Gross S.F.	Est. Living S.F.

Outbuilding Type	Est. Gross S.F.	Comments
Cell Shed	924.00	

This data & map is a user generated static output from an Internet mapping site and is for reference only. Data that appears on this form may or may not be accurate, current, or otherwise reliable. Any questions on the data provided above should be directed to the Town of Glastonbury Property Assessment Office 860-652-7600.

Town of Glastonbury GIS



NAD_1983_StatePlane_Connecticut_FIPS_0600_Feet

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This map is a user generated static output from an Internet mapping site and is for reference only. Property boundaries and other data layers that appear on this map may or may not be accurate, current, or otherwise reliable. The Town of Glastonbury and the mapping companies assume no legal responsibility for the information contained in this data.

THIS MAP DOES NOT REPRESENT A LEGAL BOUNDARY DETERMINATION.

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Friday, March 18, 2022 10:19 AM
To: Barbadora, Jeff
Subject: FedEx Shipment 776325221455: Your package has been delivered

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Hi. Your package was delivered Fri, 03/18/2022 at 10:16am.

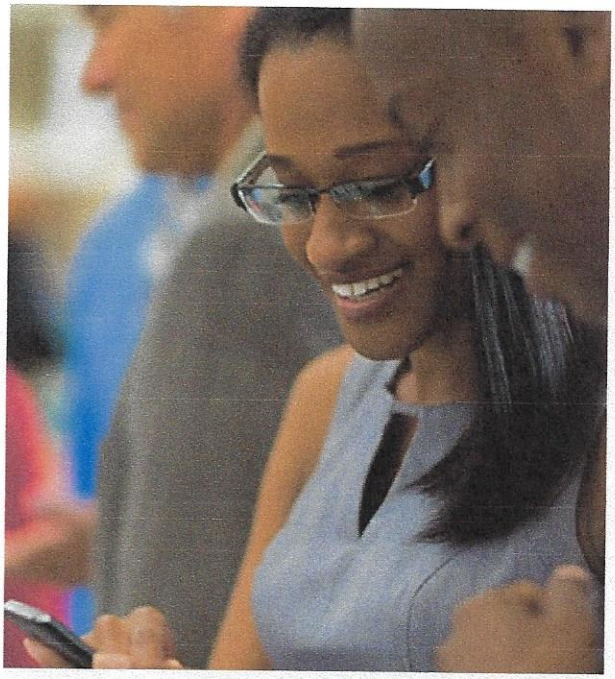
Delivered to 2155 MAIN ST, GLASTONBURY, CT 06033

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 776325221455

FROM Jeff Barbadora
1800 W. Park Drive
WESTBOROUGH, MA, US, 01581

TO	Town of Glastonbury Richard Johnson Town Manager 2155 Main Street 2nd Floor GLASTONBURY, CT, US, 06033
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Thu 3/17/2022 05:30 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GLASTONBURY, CT, US, 06033
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight



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Delivered to 2155 MAIN ST, GLASTONBURY, CT 06033

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 776325258809

FROM Jeff Barbadora
1800 W. Park Drive
WESTBOROUGH, MA, US, 01581

TO	Town of Glastonbury Rebecca Augur 2155 Main Street 3rd Floor GLASTONBURY, CT, US, 06033
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Thu 3/17/2022 05:30 PM
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SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
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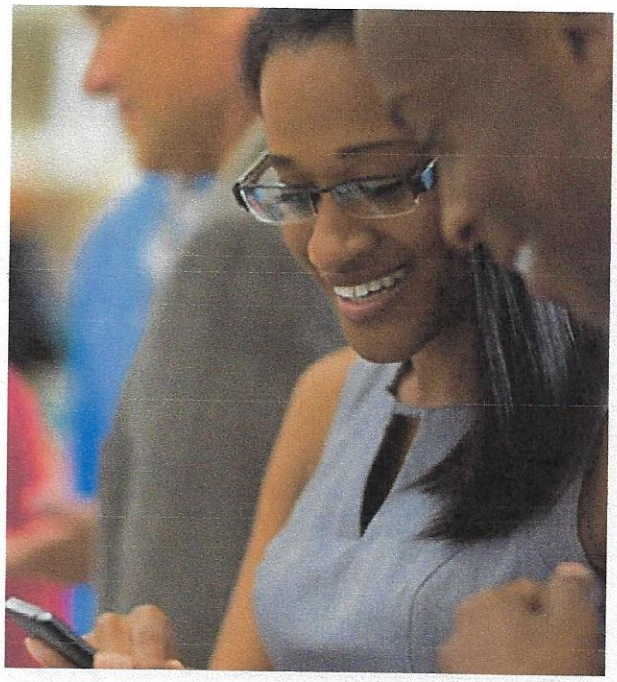

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Hi. Your package was delivered Fri, 03/18/2022 at 10:29am.

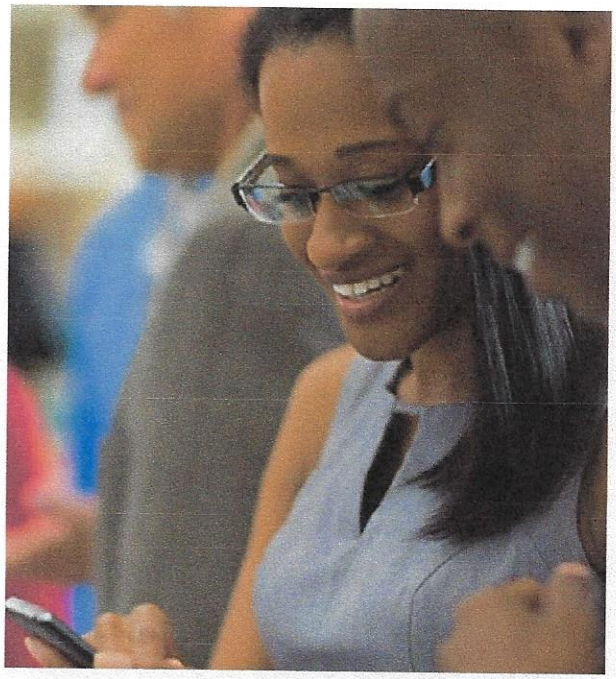
Delivered to 366 THREE MILE RD, GLASTONBURY, CT 06033

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 776325373488

FROM Jeff Barbadora
1800 W. Park Drive
WESTBOROUGH, MA, US, 01581

TO	Property Owner John R Flanagan 366 Three Mile Road GLASTONBURY, CT, US, 06033
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Thu 3/17/2022 05:30 PM
DELIVERED TO	Residence
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GLASTONBURY, CT, US, 06033
SPECIAL HANDLING	Deliver Weekday Residential Delivery
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight



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Date: **January 18, 2022**

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Subject:	**Structural Analysis Report**	
Carrier Designation:	***AT&T Mobility* Co-Locate**	
	Site Number:	CTL01100
	Site Name:	GLASTONBURY THREE MILE
	FA:	10035094
Crown Castle Designation:	**BU Number:**	806368
	Site Name:	HRT 049B 943215
	JDE Job Number:	686190
	Work Order Number:	2061262
	Order Number:	586239 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	83033.007.01
Site Data:	**374 Three Mile Rd., GLASTONBURY, Hartford County, CT** **Latitude *41° 41' 36.93"*, Longitude *-72° 32' 50.11"*** **145 Foot - Monopole Tower**	

B+T Group is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

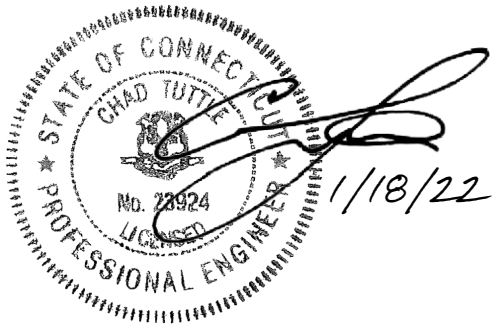
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity-85%**

This analysis utilizes an ultimate 3-second gust wind speed of 119 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria

Structural analysis prepared by: Massood Sattari

Respectfully submitted by: B+T Engineering, Inc.
COA: PEC.0001564; Expires: 02/10/2022



Chad E. Tuttle, P.E.

This submission contains confidential, proprietary, or trade secret information that is exempt from disclosure under applicable laws. Please make sure these pages are not disclosed. If any request is made for this information, please contact the sender in addition to any legal notice requirements under applicable law.

Disclaimer provided by AT&T. This statement does not constitute engineering analysis or design

TABLE OF CONTENTS

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.

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1) INTRODUCTION

This tower is a 145 ft. Monopole tower designed by Engineered Endeavors, Inc.

The tower has been modified per reinforcement drawings prepared by GPD Associates, in March of 2005. Reinforcement consists of addition of base plate stiffeners. However, we didn't include this modification since the Anchor rod and Base plate are passing without the modification at a lower rate.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	119 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)
137.0	142.0	3	Ericsson	AIR 6419 B77G_CCIV2	6 4 2 2	1-1/4 7/8 13/16 3/8
	140.0	1	CCI Antennas	DMP65R-BU6D		
		2	CCI Antennas	DMP65R-BU8D		
		1	CCI Antennas	OPA65R-BU6D		
		2	CCI Antennas	OPA65R-BU8D		
		3	Ericsson	RRUS 32 B2_CCIV2		
		3	Ericsson	RRUS 4426 B66		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14_CCIV2		
		2	Raycap	DC9-48-60-24-8C-EV_CCIV2		
	138.0	3	Ericsson	AIR 6449 B77D		
		1	--	Platform Mount [LP 1002-1] (16' FW)		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
147.0	148.0	6	Andrew	SBNHH-1D65B	7	1-5/8
		2	ANTEL	LPA-80063/6CF		
		1	RFS Celwave	DB-T1-6Z-8AB-0Z		
		3	Samsung Telecom	MT6407-77A		
		3	Samsung Telecom	RFV01U-D1A		
		3	Samsung Telecom	RFV01U-D2A		
		4	SWEDCOM	SC-E 6014 REV2		
	147.0	1	Site Pro 1	PRK-SFS-L Handrail Reinforcement Kit		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	--	186" Long, P2.5 Std. Face Horizontal		
		1	--	Platform Mount [LP 1001-1] (15.8' FW)		
		3	Commscope	BASMNT-SBS-1-2 Antenna Mounting Kit		
129.0	132.0	2	GPS	GPS_A	--	--
	130.0	12	Decibel	DB844G65ZAXY		
	129.0	1	--	Platform Mount [LP 601-1]		
		1	--	Side Arm Mount [SO 701-3]		
127.0	127.0	1	Sigfox	CAVITY FILTER	1	1/2
		1	Sigfox	CXL 900-3LW		
		1	Sigfox	LNA		
		1	--	Side Arm Mount [SO 306-1]		
114.0	116.0	3	Commscope	SDX1926Q-43	10	1-5/8
		3	Ericsson	AIR -32 B2A/B66AA		
		3	Ericsson	AIR6449 B41_T-MOBILE		
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	RADIO 4449 B71/B85A		
		3	Ericsson	RRUS 4415 B25_CCIV2		
		3	RFS Celwave	APXVAARR24_43-U-NA20		
	114.0	1	--	Platform Mount [LP 602-1]		
95.0	97.0	1	1Commscope	HT65A-F-2X2	1 2	1-1/8 1-1/4
		1	1Nokia	FWHR		
	96.0	1	Repeater Tech.	DA1900-39		
	95.0	2	--	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	262188	CCI Sites
Mount Analysis	10138123	CCI Sites
Foundation Drawing	974245	CCI Sites
Geotech Report	262197	CCI Sites
Crown CAD Package	Date: 12/30/2021	CCI Sites

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

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

This analysis may be affected if any assumptions are not valid or have been made in error. B+T Group 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	145 - 92.5208	Pole	TP35.675x20.5x0.344	1	-25.590	2304.687	46.9	Pass
L2	92.5208 - 44.7083	Pole	TP48.658x33.554x0.438	2	-39.641	4009.582	49.9	Pass
L3	44.7083 - 0	Pole	TP60.5x45.899x0.469	3	-60.974	5565.703	54.2	Pass
							Summary	
						Pole (L3)	54.2	Pass
						Rating =	54.2	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	Base	49.8	Pass
1,2	Base Plate	Base	55.6	Pass
1,2,3	Base Foundation (Compared w/ Design Loads)	Base	85.0	Pass

Structure Rating (max from all components) =	**85.0%**

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.
2) Rating per TIA-222-H Section 15.5.
3) Foundation capacity determined by comparing analysis reactions to original design reactions.

4.1) Recommendations

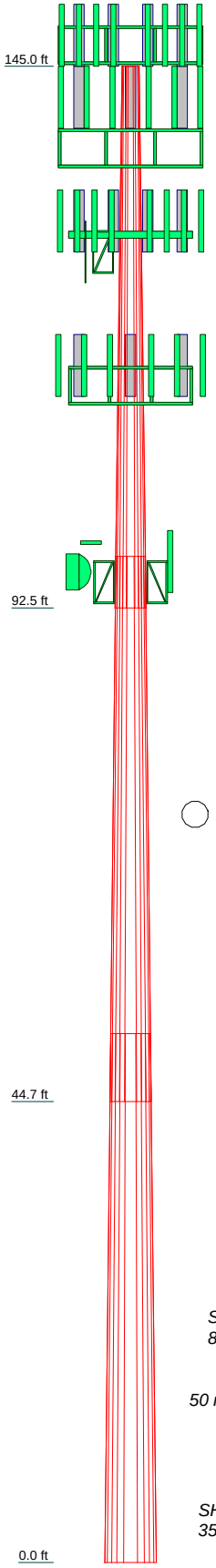
The tower and its foundations have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3
Length (ft)	52.479	52.771	51.292
Number of Sides	12	12	12
Thickness (in)	0.344	0.438	0.469
Socket Length (ft)	4.958	6.583	
Top Dia (in)	20.500	33.554	45.899
Bot Dia (in)	35.675	48.658	60.500
Grade		A572-65	
Weight (K)	5.5	10.3	13.9

29.7



ALL REACTIONS ARE FACTORED

AXIAL 103 K

SHEAR 8 K

MOMENT 931 kip-ft

TORQUE 1 kip-ft
50 mph WIND - 1.500 in ICE

AXIAL 61 K

SHEAR 35 K

MOMENT 3805 kip-ft

TORQUE 4 kip-ft
REACTIONS - 119 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 119 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 54.2%

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (555) 295-0265

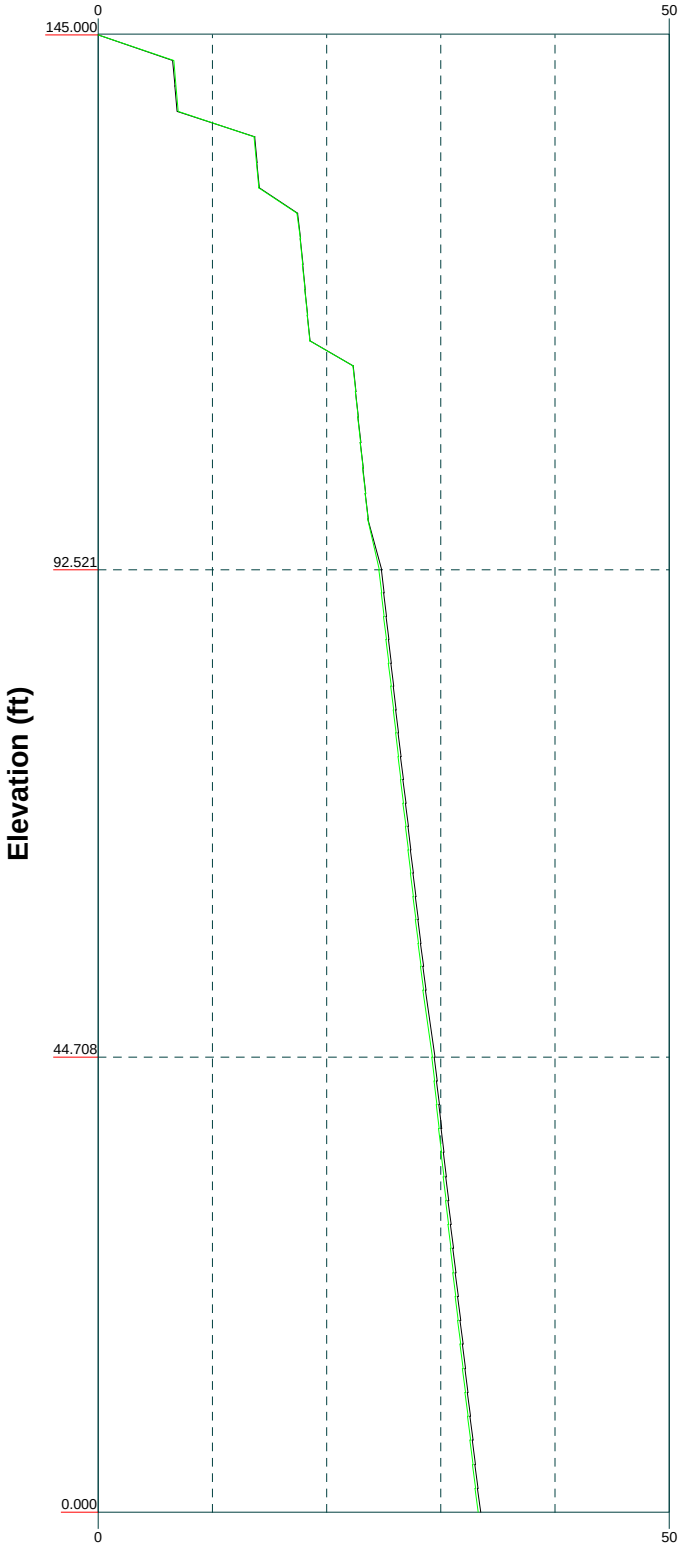
Job:	***83033.007.01 - HRT 049B 943215, CT (BU# 80636*****		
Project:			
Client: Crown Castle	Drawn by: SACHIN	App'd:	
Code: TIA-222-H	Date: 01/18/22	Scale: NTS	
Path:		Dwg No. E-1	

TIA-222-H - 119 mph/50 mph 1.500 in Ice Exposure B

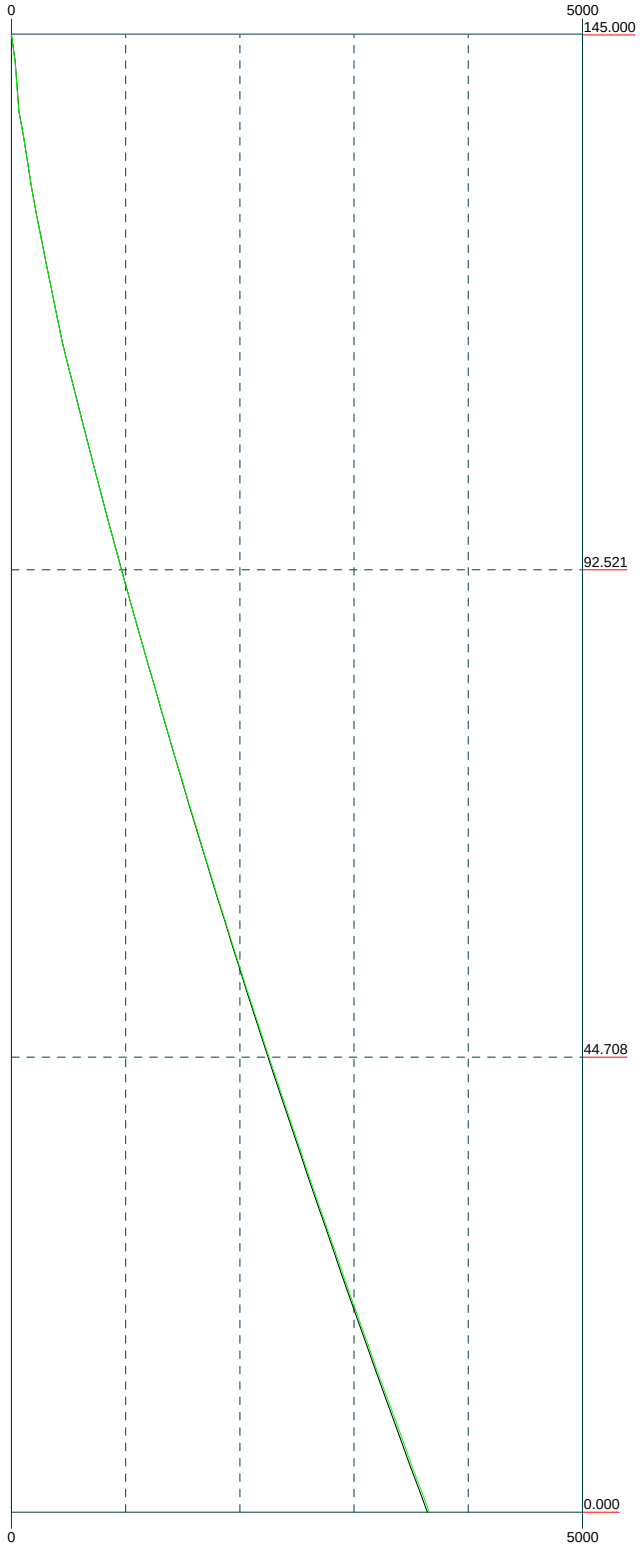
Maximum Values

Vx Vz Mx Mz

Global Mast Shear (K)



Global Mast Moment (kip-ft)



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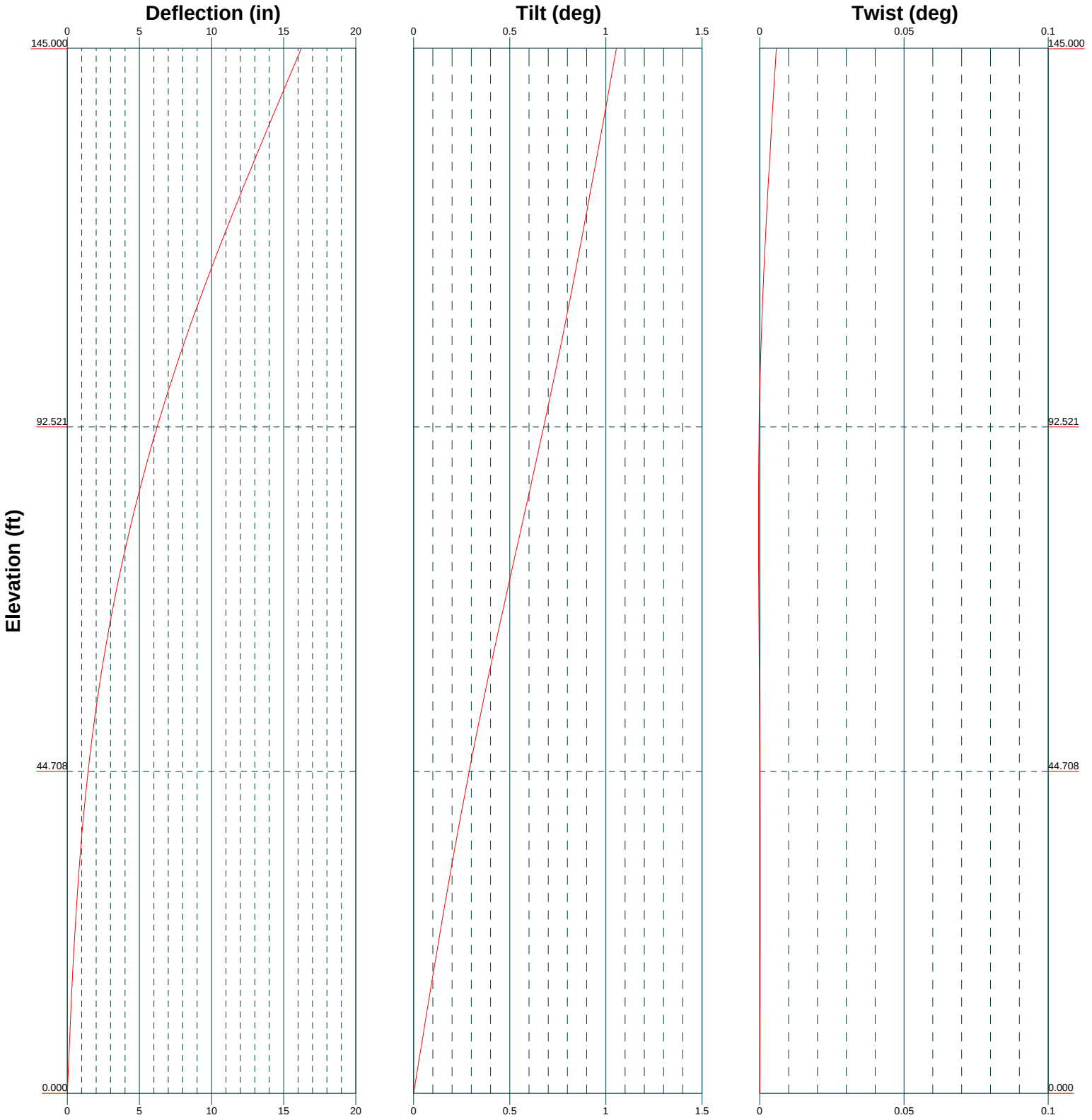
Job: 83033.007.01 - HRT 049B 943215, CT (BU# 80636		
Project:		
Client: Crown Castle	Drawn by: SACHIN	App'd:
Code: TIA-222-H	Date: 01/18/22	Scale: NTS
Path:		Dwg No. E-4

TIA-222-H - Service - 60 mph

Maximum Values



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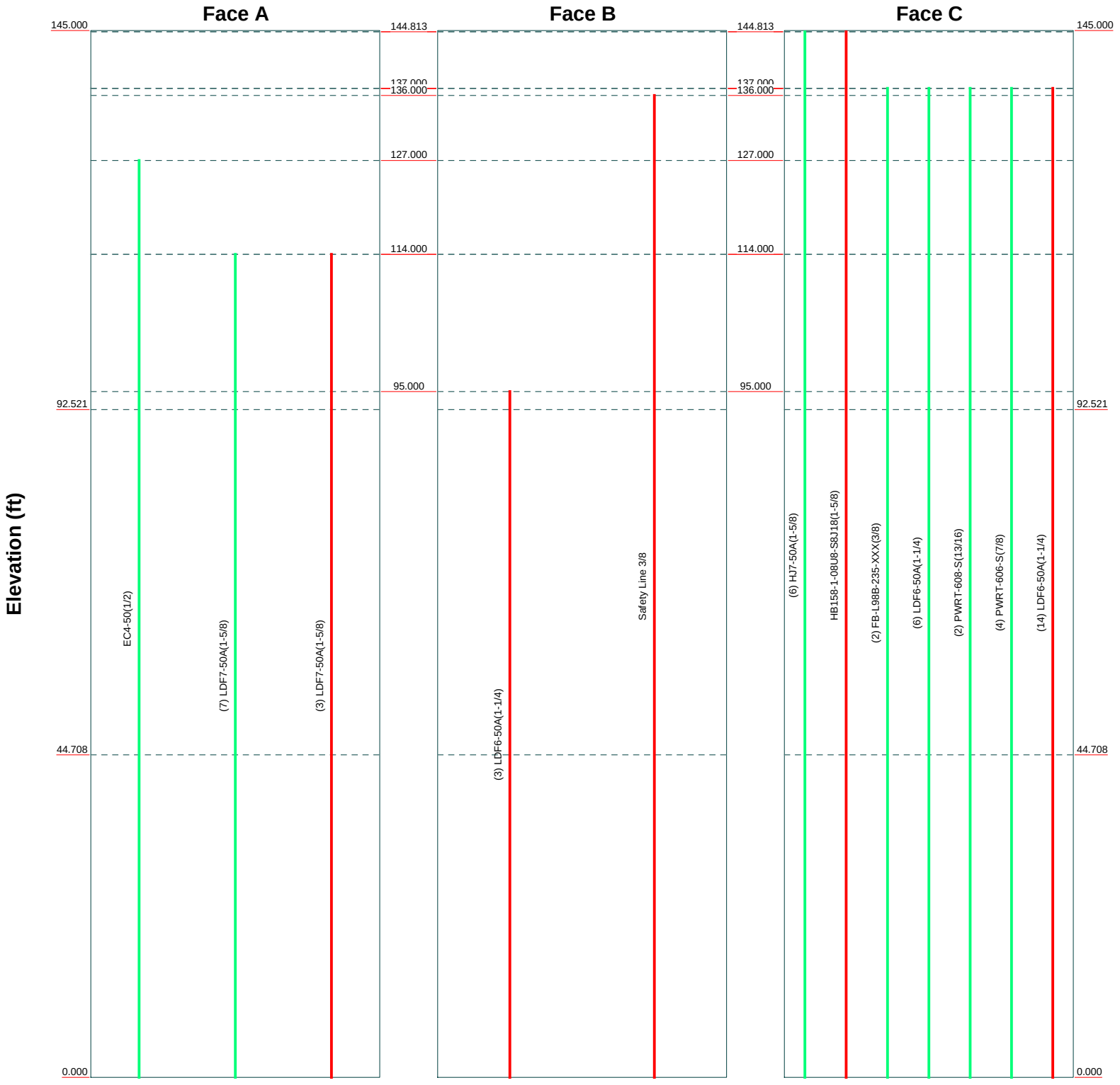
FAX: (555) 295-0265

Job: 83033.007.01 - HRT 049B 943215, CT (BU# 806368			
Project:			
Client: Crown Castle	Drawn by: SACHIN	App'd:	
Code: TIA-222-H	Date: 01/18/22	Scale: NTS	
Path:		Dwg No. E-5	

Feed Line Distribution Chart
0' - 145'

Round | Flat | App In Face | App Out Face | Truss Leg



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Job: ***83033.007.01 - HRT 049B 943215, CT (BU# 80636***		
Project:		
Client: Crown Castle	Drawn by: SACHIN	App'd:
Code: TIA-222-H	Date: 01/18/22	Scale: NTS
Path:		Dwg No. E-7

Tower Input Data

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

Tower is located in Hartford County, Connecticut.
Tower base elevation above sea level: 467.000 ft.
Basic wind speed of 119 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.500 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	145.000-92.521	52.479	4.958	12	20.500	35.675	0.344	1.375	A572-65 (65 ksi)
L2	92.521-44.708	52.771	6.583	12	33.554	48.658	0.438	1.750	A572-65 (65 ksi)
L3	44.708-0.000	51.292		12	45.899	60.500	0.469	1.875	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	21.102	22.310	1156.948	7.216	10.619	108.951	2344.290	10.981	4.573	13.303
	36.812	39.107	6231.054	12.649	18.480	337.185	12625.805	19.247	8.640	25.134
L2	36.052	46.652	6530.446	11.856	17.381	375.727	13232.454	22.961	7.820	17.874
	50.220	67.931	20161.136	17.263	25.205	799.891	40851.928	33.433	11.868	27.127
L3	49.293	68.571	18063.825	16.264	23.776	759.766	36602.206	33.748	11.045	23.562
	62.469	90.610	41678.805	21.491	31.339	1329.934	84452.559	44.595	14.958	31.91

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 145.000-92.521				1	1	1			
L2 92.521-44.708				1	1	1			
L3 44.708-0.000				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 klf
HB158-1-08U8-S8J18(1-5/8)	C	No	Surface Ar (CaAa)	144.813 - 0.000	1	1	0.100 0.150	1.980		0.001
LDF6-50A(1-1/4)	C	No	Surface Ar (CaAa)	137.000 - 0.000	14	5	-0.500 -0.300	1.550		0.001
LDF7-50A(1-5/8) *	A	No	Surface Ar (CaAa)	114.000 - 0.000	3	3	0.200 0.275	1.980		0.001
LDF6-50A(1-1/4) *	B	No	Surface Ar (CaAa)	95.000 - 0.000	3	3	0.150 0.250	1.550		0.001
Safety Line 3/8	B	No	Surface Ar (CaAa)	136.000 - 0.000	1	1	0.100 0.110	0.375		0.000

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 klf
*										

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 klf
HJ7-50A(1-5/8)	C	No	No	Inside Pole	144.813 - 0.000	6	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
*									
FB-L98B-235-XXX(3/8)	C	No	No	Inside Pole	137.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
LDF6-50A(1-1/4)	C	No	No	Inside Pole	137.000 - 0.000	6	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
PWRT-608-S(13/16)	C	No	No	Inside Pole	137.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
PWRT-606-S(7/8)	C	No	No	Inside Pole	137.000 - 0.000	4	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
*									
EC4-50(1/2)	A	No	No	Inside Pole	127.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
*									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	114.000 - 0.000	7	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
*									

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	145.000-92.521	A	0.000	0.000	12.759	0.000	0.182
		B	0.000	0.000	2.783	0.000	0.014
		C	0.000	0.000	44.825	0.000	1.147
L2	92.521-44.708	A	0.000	0.000	28.401	0.000	0.400
		B	0.000	0.000	24.026	0.000	0.097

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	46.522	0.000	1.169
L3	44.708-0.000	A	0.000	0.000	26.557	0.000	0.374
		B	0.000	0.000	22.466	0.000	0.090
		C	0.000	0.000	43.501	0.000	1.094

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	145.000-92.521	A	1.447	0.000	0.000	23.717	0.000	0.422
		B		0.000	0.000	16.549	0.000	0.177
		C		0.000	0.000	84.662	0.000	2.263
L2	92.521-44.708	A	1.370	0.000	0.000	52.794	0.000	0.934
		B		0.000	0.000	60.712	0.000	0.690
		C		0.000	0.000	86.914	0.000	2.318
L3	44.708-0.000	A	1.222	0.000	0.000	48.513	0.000	0.843
		B		0.000	0.000	55.234	0.000	0.605
		C		0.000	0.000	79.734	0.000	2.106

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	145.000-92.521	1.787	1.904	2.043	1.885
L2	92.521-44.708	2.962	0.703	3.285	0.588
L3	44.708-0.000	3.178	0.730	3.707	0.638

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	2	HB158-1-08U8-S8J18(1-5/8)	92.52 - 144.81	1.0000	1.0000
L1	14	LDF6-50A(1-1/4)	92.52 - 137.00	1.0000	1.0000
L1	21	LDF7-50A(1-5/8)	92.52 - 114.00	1.0000	1.0000
L1	23	LDF6-50A(1-1/4)	92.52 - 95.00	1.0000	1.0000
L1	25	Safety Line 3/8	92.52 - 136.00	1.0000	1.0000
L2	2	HB158-1-08U8-S8J18(1-5/8)	44.71 - 92.52	1.0000	1.0000
L2	14	LDF6-50A(1-1/4)	44.71 - 92.52	1.0000	1.0000
L2	21	LDF7-50A(1-5/8)	44.71 - 92.52	1.0000	1.0000
L2	23	LDF6-50A(1-1/4)	44.71 - 92.52	1.0000	1.0000
L2	25	Safety Line 3/8	44.71 - 92.52	1.0000	1.0000
L3	2	HB158-1-08U8-S8J18(1-5/8)	0.00 - 44.71	1.0000	1.0000
L3	14	LDF6-50A(1-1/4)	0.00 - 44.71	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L3	21	LDF7-50A(1-5/8)	0.00 - 44.71	1.0000	1.0000
L3	23	LDF6-50A(1-1/4)	0.00 - 44.71	1.0000	1.0000
L3	25	Safety Line 3/8	0.00 - 44.71	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
(2) SC-E 6014 REV2 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.564 3.905 4.256 4.984	4.223 4.780 5.353 6.548	0.032 0.071 0.116 0.225
(2) SC-E 6014 REV2 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.564 3.905 4.256 4.984	4.223 4.780 5.353 6.548	0.032 0.071 0.116 0.225
(2) LPA-80063/6CF w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	9.831 10.400 10.933 12.026	10.215 11.384 12.269 14.086	0.052 0.145 0.246 0.476
(2) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.720	3.300 3.680 4.070 4.870	0.066 0.130 0.204 0.386
(2) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.720	3.300 3.680 4.070 4.870	0.066 0.130 0.204 0.386
(2) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.720	3.300 3.680 4.070 4.870	0.066 0.130 0.204 0.386
DB-T1-6Z-8AB-0Z	A	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.800 5.070 5.348 5.926	2.000 2.193 2.393 2.815	0.044 0.080 0.120 0.213
MT6407-77A w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
MT6407-77A w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
MT6407-77A w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	147.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
RFV01U-D1A	A	From Leg	4.000 0.000	0.000	147.000	No Ice 1/2" Ice	1.875 2.045	1.250 1.393	0.084 0.103

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			1.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	B	From Leg	4.000	0.000	147.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			1.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	C	From Leg	4.000	0.000	147.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			1.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D2A	A	From Leg	4.000	0.000	147.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			1.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	B	From Leg	4.000	0.000	147.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			1.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	C	From Leg	4.000	0.000	147.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			1.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
(2) 4' x 2" Pipe Mount	A	From Leg	4.000	0.000	147.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
4' x 2" Pipe Mount	C	From Leg	4.000	0.000	147.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
(2) L 2.5x2.5x3/16x6'	A	From Leg	2.000	0.000	147.000	No Ice	1.500	0.005	0.025
			0.000			1/2" Ice	1.918	0.024	0.034
			0.000			1" Ice	2.343	0.049	0.048
						2" Ice	3.215	0.123	0.091
(2) L 2.5x2.5x3/16x6'	B	From Leg	2.000	0.000	147.000	No Ice	1.500	0.005	0.025
			0.000			1/2" Ice	1.918	0.024	0.034
			0.000			1" Ice	2.343	0.049	0.048
						2" Ice	3.215	0.123	0.091
(2) L 2.5x2.5x3/16x6'	C	From Leg	2.000	0.000	147.000	No Ice	1.500	0.005	0.025
			0.000			1/2" Ice	1.918	0.024	0.034
			0.000			1" Ice	2.343	0.049	0.048
						2" Ice	3.215	0.123	0.091
15.5' x Pipe 2.5 STD horizontal mount pipe	A	From Leg	4.000	0.000	147.000	No Ice	5.600	0.030	0.121
			0.000			1/2" Ice	7.240	0.080	0.161
			0.000			1" Ice	8.890	0.150	0.210
						2" Ice	12.250	0.320	0.341
15.5' x Pipe 2.5 STD horizontal mount pipe	B	From Leg	4.000	0.000	147.000	No Ice	5.600	0.030	0.121
			0.000			1/2" Ice	7.240	0.080	0.161
			0.000			1" Ice	8.890	0.150	0.210
						2" Ice	12.250	0.320	0.341
15.5' x Pipe 2.5 STD horizontal mount pipe	C	From Leg	4.000	0.000	147.000	No Ice	5.600	0.030	0.121
			0.000			1/2" Ice	7.240	0.080	0.161
			0.000			1" Ice	8.890	0.150	0.210
						2" Ice	12.250	0.320	0.341
Side Arm Mount [SO 102-3]	C	None		0.000	147.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135

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Description	Face or Leg	O T	π ft						
						2" Ice	5.900	5.900	0.195
Platform Mount [LP 1001-1]	C	None		0.000	147.000	No Ice	50.658	50.658	3.409
						1/2" Ice	56.884	56.884	4.467
						1" Ice	63.110	63.110	5.525
						2" Ice	75.562	73.470	7.641
*									
RRUS 32 B2_CCIV2	A	From Leg	4.000	0.000	137.000	No Ice	2.864	1.782	0.055
			0.000			1/2" Ice	3.090	1.973	0.077
			3.000			1" Ice	3.323	2.171	0.103
						2" Ice	3.813	2.589	0.165
RRUS 32 B2_CCIV2	B	From Leg	4.000	0.000	137.000	No Ice	2.864	1.782	0.055
			0.000			1/2" Ice	3.090	1.973	0.077
			3.000			1" Ice	3.323	2.171	0.103
						2" Ice	3.813	2.589	0.165
RRUS 32 B2_CCIV2	C	From Leg	4.000	0.000	137.000	No Ice	2.864	1.782	0.055
			0.000			1/2" Ice	3.090	1.973	0.077
			3.000			1" Ice	3.323	2.171	0.103
						2" Ice	3.813	2.589	0.165
AIR 6419 B77G_CCIV2	A	From Leg	4.000	0.000	137.000	No Ice	3.797	1.938	0.066
			0.000			1/2" Ice	4.047	2.135	0.094
			5.000			1" Ice	4.305	2.340	0.125
						2" Ice	4.843	2.770	0.200
AIR 6419 B77G_CCIV2	B	From Leg	4.000	0.000	137.000	No Ice	3.797	1.938	0.066
			0.000			1/2" Ice	4.047	2.135	0.094
			5.000			1" Ice	4.305	2.340	0.125
						2" Ice	4.843	2.770	0.200
AIR 6419 B77G_CCIV2	C	From Leg	4.000	0.000	137.000	No Ice	3.797	1.938	0.066
			0.000			1/2" Ice	4.047	2.135	0.094
			5.000			1" Ice	4.305	2.340	0.125
						2" Ice	4.843	2.770	0.200
AIR 6449 B77D	A	From Leg	4.000	0.000	137.000	No Ice	3.640	1.720	0.082
			0.000			1/2" Ice	4.000	2.020	0.111
			1.000			1" Ice	4.370	2.330	0.145
						2" Ice	5.160	2.990	0.223
AIR 6449 B77D	B	From Leg	4.000	0.000	137.000	No Ice	3.640	1.720	0.082
			0.000			1/2" Ice	4.000	2.020	0.111
			1.000			1" Ice	4.370	2.330	0.145
						2" Ice	5.160	2.990	0.223
AIR 6449 B77D	C	From Leg	4.000	0.000	137.000	No Ice	3.640	1.720	0.082
			0.000			1/2" Ice	4.000	2.020	0.111
			1.000			1" Ice	4.370	2.330	0.145
						2" Ice	5.160	2.990	0.223
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.000	0.000	137.000	No Ice	12.250	6.050	0.089
			0.000			1/2" Ice	13.000	6.710	0.176
			3.000			1" Ice	13.760	7.390	0.275
						2" Ice	15.340	8.790	0.508
OPA65R-BU8D w/ Mount Pipe	B	From Leg	4.000	0.000	137.000	No Ice	17.460	8.580	0.109
			0.000			1/2" Ice	18.460	9.490	0.224
			3.000			1" Ice	19.480	10.420	0.353
						2" Ice	21.580	12.330	0.656
OPA65R-BU8D w/ Mount Pipe	C	From Leg	4.000	0.000	137.000	No Ice	17.460	8.580	0.109
			0.000			1/2" Ice	18.460	9.490	0.224
			3.000			1" Ice	19.480	10.420	0.353
						2" Ice	21.580	12.330	0.656
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.000	0.000	137.000	No Ice	11.960	5.970	0.115
			0.000			1/2" Ice	12.700	6.630	0.201
			3.000			1" Ice	13.460	7.300	0.298

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	15.020	8.690	0.529
DMP65R-BU8D w/ Mount Pipe	B	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	15.890 16.810 17.760 19.700	7.890 8.740 9.600 11.370	0.139 0.252 0.380 0.679
DMP65R-BU8D w/ Mount Pipe	C	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	15.890 16.810 17.760 19.700	7.890 8.740 9.600 11.370	0.139 0.252 0.380 0.679
RRUS 4478 B14_CCIV2	A	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.021 2.200 2.386 2.780	1.246 1.396 1.554 1.891	0.059 0.077 0.097 0.147
RRUS 4478 B14_CCIV2	B	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.021 2.200 2.386 2.780	1.246 1.396 1.554 1.891	0.059 0.077 0.097 0.147
RRUS 4478 B14_CCIV2	C	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.021 2.200 2.386 2.780	1.246 1.396 1.554 1.891	0.059 0.077 0.097 0.147
RRUS 4426 B66	A	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.644 1.804 1.972 2.329	0.725 0.842 0.969 1.244	0.048 0.061 0.076 0.115
RRUS 4426 B66	B	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.644 1.804 1.972 2.329	0.725 0.842 0.969 1.244	0.048 0.061 0.076 0.115
RRUS 4426 B66	C	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.644 1.804 1.972 2.329	0.725 0.842 0.969 1.244	0.048 0.061 0.076 0.115
DC9-48-60-24-8C-EV_CCIV 2	A	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.736 2.962 3.195 3.683	2.736 2.962 3.195 3.683	0.016 0.042 0.071 0.142
DC9-48-60-24-8C-EV_CCIV 2	B	From Leg	4.000 0.000 3.000	1/18/2137.0	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.736 2.962 3.195 3.683	2.736 2.962 3.195 3.683	0.016 0.042 0.071 0.142
RRUS 4449 B5/B12	A	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.968 2.144 2.328 2.718	1.408 1.564 1.727 2.075	0.071 0.090 0.111 0.163
RRUS 4449 B5/B12	B	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.968 2.144 2.328 2.718	1.408 1.564 1.727 2.075	0.071 0.090 0.111 0.163
RRUS 4449 B5/B12	C	From Leg	4.000 0.000 3.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.968 2.144 2.328 2.718	1.408 1.564 1.727 2.075	0.071 0.090 0.111 0.163
(3) 3' x 2" Pipe Mount	A	From Leg	4.000 0.000 0.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.583 0.770 0.967 1.388	0.583 0.770 0.967 1.388	0.011 0.017 0.024 0.047

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) 3' x 2" Pipe Mount	B	From Leg	4.000 0.000 0.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.583 0.770 0.967 1.388	0.583 0.770 0.967 1.388	0.011 0.017 0.024 0.047
(2) 3' x 2" Pipe Mount	C	From Leg	4.000 0.000 0.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.583 0.770 0.967 1.388	0.583 0.770 0.967 1.388	0.011 0.017 0.024 0.047
8' x 2.375" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.061 0.075 0.095 0.150
8' x 2.375" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.061 0.075 0.095 0.150
8' x 2.375" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.061 0.075 0.095 0.150
Platform Mount [LP 1002-1]	C	None		0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	61.792 68.592 75.392 88.992	61.792 68.592 75.392 88.992	3.240 4.521 5.802 8.364
*									
(4) DB844G65ZAXY w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	129.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.230 4.710 5.210 6.260	4.510 5.000 5.500 6.570	0.034 0.076 0.126 0.250
(4) DB844G65ZAXY w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	129.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.230 4.710 5.210 6.260	4.510 5.000 5.500 6.570	0.034 0.076 0.126 0.250
(4) DB844G65ZAXY w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	129.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.230 4.710 5.210 6.260	4.510 5.000 5.500 6.570	0.034 0.076 0.126 0.250
GPS_A	A	From Leg	4.000 0.000 3.000	0.000	129.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.255 0.320 0.393 0.561	0.255 0.320 0.393 0.561	0.001 0.005 0.010 0.025
GPS_A	B	From Leg	4.000 0.000 3.000	0.000	129.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.255 0.320 0.393 0.561	0.255 0.320 0.393 0.561	0.001 0.005 0.010 0.025
Side Arm Mount [SO 701-3]	C	None		0.000	129.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.020 4.180 5.330 7.630	3.020 4.180 5.330 7.630	0.195 0.237 0.279 0.363
Platform Mount [LP 601-1]	C	None		0.000	129.000	No Ice 1/2" Ice 1" Ice 2" Ice	28.500 31.690 34.870 41.230	28.500 31.690 34.870 41.230	1.122 1.676 2.282 3.653
Transition Ladder	C	From Face	2.000 0.000 -2.000	0.000	129.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.000 8.000 10.000 14.000	6.000 8.000 10.000 14.000	0.160 0.240 0.320 0.480

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
*									
CXL 900-3LW	C	From Leg	4.000 0.000 0.000	0.000	127.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.145 0.334 0.483 0.808	0.145 0.334 0.483 0.808	0.001 0.003 0.006 0.018
LNA	C	From Leg	4.000 0.000 0.000	0.000	127.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.142 0.192 0.250 0.386	0.054 0.090 0.133 0.244	0.002 0.003 0.005 0.012
CAVITY FILTER	C	From Leg	4.000 0.000 0.000	0.000	127.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.195 0.253 0.319 0.473	0.084 0.124 0.171 0.287	0.002 0.004 0.007 0.016
Side Arm Mount [SO 306-1]	C	From Leg	2.000 0.000 0.000	0.000	127.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.410 0.810 1.230 2.080	2.260 3.830 5.480 9.370	0.042 0.062 0.094 0.187
*									
AIR -32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.760 4.120 4.480 5.240	3.150 3.490 3.840 4.580	0.194 0.252 0.320 0.485
AIR -32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.760 4.120 4.480 5.240	3.150 3.490 3.840 4.580	0.194 0.252 0.320 0.485
AIR -32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.760 4.120 4.480 5.240	3.150 3.490 3.840 4.580	0.194 0.252 0.320 0.485
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.186 0.315 0.458 0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.186 0.315 0.458 0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.186 0.315 0.458 0.788
KRY 112 144/1	A	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.350 0.426 0.509 0.698	0.175 0.234 0.301 0.456	0.011 0.014 0.019 0.032
KRY 112 144/1	B	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.350 0.426 0.509 0.698	0.175 0.234 0.301 0.456	0.011 0.014 0.019 0.032
KRY 112 144/1	C	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.350 0.426 0.509 0.698	0.175 0.234 0.301 0.456	0.011 0.014 0.019 0.032
RADIO 4449 B71/B85A	A	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice	1.644 1.804 1.972	1.310 1.455 1.608	0.075 0.092 0.112

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	2.329	1.936	0.161
RADIO 4449 B71/B85A	B	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.644 1.804 1.972 2.329	1.310 1.455 1.608 1.936	0.075 0.092 0.112 0.161
RADIO 4449 B71/B85A	C	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.644 1.804 1.972 2.329	1.310 1.455 1.608 1.936	0.075 0.092 0.112 0.161
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
RRUS 4415 B25_CCIV2	A	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.843 2.012 2.190 2.566	0.820 0.943 1.075 1.368	0.046 0.060 0.077 0.118
RRUS 4415 B25_CCIV2	B	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.843 2.012 2.190 2.566	0.820 0.943 1.075 1.368	0.046 0.060 0.077 0.118
RRUS 4415 B25_CCIV2	C	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.843 2.012 2.190 2.566	0.820 0.943 1.075 1.368	0.046 0.060 0.077 0.118
SDX1926Q-43	A	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023
SDX1926Q-43	B	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023
SDX1926Q-43	B	From Leg	4.000 0.000 2.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023
6' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	114.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090

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
Platform Mount [LP 602-1]	C	None		0.000	114.000	No Ice	31.070	31.070	1.343
						1/2" Ice	34.820	34.820	1.967
						1" Ice	38.480	38.480	2.669
						2" Ice	45.600	45.600	4.314
Transition Ladder	C	From Face	2.000 0.000 -4.000	0.000	114.000	No Ice	6.000	6.000	0.160
						1/2" Ice	8.000	8.000	0.240
						1" Ice	10.000	10.000	0.320
						2" Ice	14.000	14.000	0.480
*									
HT65A-F-2X2 w/ Mount Pipe	B	From Leg	3.000 0.000 2.000	0.000	95.000	No Ice	1.980	1.930	0.045
						1/2" Ice	2.290	2.240	0.077
						1" Ice	2.620	2.560	0.117
						2" Ice	3.300	3.240	0.224
FWHR	B	From Leg	3.000 0.000 2.000	0.000	95.000	No Ice	1.035	0.508	0.026
						1/2" Ice	1.164	0.601	0.036
						1" Ice	1.300	0.701	0.048
						2" Ice	1.594	0.923	0.078
2' Ice Shield	C	From Leg	3.000 0.000 4.000	0.000	95.000	No Ice	0.400	0.400	0.020
						1/2" Ice	0.548	0.548	0.043
						1" Ice	0.704	0.704	0.070
						2" Ice	1.037	1.037	0.135
Side Arm Mount [SO 701-1]	B	From Leg	1.500 0.000 0.000	0.000	95.000	No Ice	0.850	1.670	0.065
						1/2" Ice	1.140	2.340	0.079
						1" Ice	1.430	3.010	0.093
						2" Ice	2.010	4.350	0.121
Side Arm Mount [SO 701-1]	C	From Leg	1.500 0.000 0.000	0.000	95.000	No Ice	0.850	1.670	0.065
						1/2" Ice	1.140	2.340	0.079
						1" Ice	1.430	3.010	0.093
						2" Ice	2.010	4.350	0.121
*									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
repeater technologies DA1900-39	C	Paraboloid w/Shroud (HP)	From Leg	3.000 0.000 1.000	30.000		95.000	3.542	No Ice	9.860	0.050
									1/2" Ice	10.320	0.100
									1" Ice	10.770	0.150
									2" Ice	11.680	0.260
*											

Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	145 - 92.5208	Pole	Max Tension	26	0.000	-0.000	0.000
			Max. Compression	26	-55.179	2.095	-5.665
			Max. Mx	20	-25.665	842.173	-1.312
			Max. My	14	-25.667	0.008	-843.144
			Max. Vy	8	23.652	-841.383	-2.164
			Max. Vx	14	23.634	0.008	-843.144
			Max. Torque	11			-3.051
L2	92.5208 - 44.7083	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-74.959	2.477	-9.622
			Max. Mx	8	-39.699	-2063.747	-5.052
			Max. My	14	-39.707	0.373	-2057.153
			Max. Vy	8	28.710	-2063.747	-5.052
			Max. Vx	14	28.493	0.373	-2057.153
			Max. Torque	11			-4.404
L3	44.7083 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-102.706	2.442	-12.194
			Max. Mx	8	-60.976	-3659.390	-7.742
			Max. My	14	-60.976	0.828	-3642.880
			Max. Vy	8	33.487	-3659.390	-7.742
			Max. Vx	14	33.274	0.828	-3642.880
			Max. Torque	11			-4.396

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	33	102.706	-0.013	-8.002
	Max. H_x	20	60.993	33.372	0.030
	Max. H_z	2	60.993	0.067	33.242
	Max. M_x	2	3634.140	0.067	33.242
	Max. M_z	8	3659.390	-33.456	-0.030
	Max. Torsion	23	4.238	28.942	16.600
	Min. Vert	25	45.745	16.781	28.768
	Min. H_x	8	60.993	-33.456	-0.030
	Min. H_z	14	60.993	0.008	-33.242
	Min. M_x	14	-3642.880	0.008	-33.242
	Min. M_z	20	-3652.184	33.372	0.030
	Min. Torsion	11	-4.394	-29.029	-16.620

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	50.827	0.000	0.000	3.501	0.430	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	60.993	-0.067	-33.242	-3634.140	7.600	-2.707
0.9 Dead+1.0 Wind 0 deg - No	45.745	-0.067	-33.242	-3598.387	7.402	-2.699

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Ice						
1.2 Dead+1.0 Wind 30 deg - No Ice	60.993	17.106	-29.229	-3196.107	-1870.021	0.123
0.9 Dead+1.0 Wind 30 deg - No Ice	45.745	17.106	-29.229	-3164.823	-1851.268	0.141
1.2 Dead+1.0 Wind 60 deg - No Ice	60.993	30.558	-17.469	-1886.456	-3304.961	2.165
0.9 Dead+1.0 Wind 60 deg - No Ice	45.745	30.558	-17.469	-1868.565	-3271.905	2.188
1.2 Dead+1.0 Wind 90 deg - No Ice	60.993	33.456	0.030	7.742	-3659.390	3.676
0.9 Dead+1.0 Wind 90 deg - No Ice	45.745	33.456	0.030	6.579	-3622.475	3.697
1.2 Dead+1.0 Wind 120 deg - No Ice	60.993	29.029	16.620	1823.902	-3174.760	4.380
0.9 Dead+1.0 Wind 120 deg - No Ice	45.745	29.029	16.620	1804.315	-3142.749	4.394
1.2 Dead+1.0 Wind 150 deg - No Ice	60.993	16.861	28.744	3151.231	-1842.997	4.033
0.9 Dead+1.0 Wind 150 deg - No Ice	45.745	16.861	28.744	3118.171	-1824.490	4.037
1.2 Dead+1.0 Wind 180 deg - No Ice	60.993	-0.008	33.242	3642.880	0.828	2.549
0.9 Dead+1.0 Wind 180 deg - No Ice	45.745	-0.008	33.242	3604.855	0.691	2.542
1.2 Dead+1.0 Wind 210 deg - No Ice	60.993	-17.027	29.253	3207.225	1863.192	0.252
0.9 Dead+1.0 Wind 210 deg - No Ice	45.745	-17.027	29.253	3173.649	1844.217	0.235
1.2 Dead+1.0 Wind 240 deg - No Ice	60.993	-30.471	17.449	1893.213	3297.495	-1.946
0.9 Dead+1.0 Wind 240 deg - No Ice	45.745	-30.471	17.449	1873.068	3264.220	-1.969
1.2 Dead+1.0 Wind 270 deg - No Ice	60.993	-33.372	-0.030	0.969	3652.184	-3.498
0.9 Dead+1.0 Wind 270 deg - No Ice	45.745	-33.372	-0.030	-0.133	3615.047	-3.519
1.2 Dead+1.0 Wind 300 deg - No Ice	60.993	-28.942	-16.600	-1813.227	3167.269	-4.224
0.9 Dead+1.0 Wind 300 deg - No Ice	45.745	-28.942	-16.600	-1795.918	3135.044	-4.238
1.2 Dead+1.0 Wind 330 deg - No Ice	60.993	-16.781	-28.768	-3144.886	1836.140	-4.048
0.9 Dead+1.0 Wind 330 deg - No Ice	45.745	-16.781	-28.768	-3114.074	1817.418	-4.052
1.2 Dead+1.0 Ice+1.0 Temp	102.706	-0.000	0.000	12.194	2.442	0.001
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	102.706	-0.028	-8.002	-906.598	6.021	-0.694
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	102.706	4.014	-6.908	-780.877	-457.368	0.028
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	102.706	6.944	-3.978	-444.149	-793.814	0.589
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	102.706	8.020	0.020	15.184	-917.654	1.000
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	102.706	6.964	4.013	473.774	-796.588	1.180
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	102.706	4.049	6.928	808.473	-462.173	1.069
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	102.706	0.013	8.002	931.423	0.475	0.663
1.2 Dead+1.0 Wind 210	102.706	-3.998	6.913	806.192	460.716	0.054

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 240	102.706	-6.926	3.974	468.565	797.029	-0.538
deg+1.0 Ice+1.0 Temp 1.2 Dead+1.0 Wind 270	102.706	-8.004	-0.020	9.637	920.923	-0.961
deg+1.0 Ice+1.0 Temp 1.2 Dead+1.0 Wind 300	102.706	-6.947	-4.009	-448.546	799.800	-1.150
deg+1.0 Ice+1.0 Temp 1.2 Dead+1.0 Wind 330	102.706	-4.033	-6.933	-784.141	465.518	-1.075
deg+1.0 Ice+1.0 Temp Dead+Wind 0 deg - Service	50.827	-0.016	-7.959	-862.248	2.132	-0.651
Dead+Wind 30 deg - Service	50.827	4.096	-6.998	-758.026	-444.714	0.035
Dead+Wind 60 deg - Service	50.827	7.316	-4.183	-446.383	-786.253	0.528
Dead+Wind 90 deg - Service	50.827	8.010	0.007	4.428	-870.532	0.889
Dead+Wind 120 deg - Service	50.827	6.950	3.979	436.627	-755.197	1.054
Dead+Wind 150 deg - Service	50.827	4.037	6.882	752.492	-438.268	0.968
Dead+Wind 180 deg - Service	50.827	-0.002	7.959	869.493	0.520	0.612
Dead+Wind 210 deg - Service	50.827	-4.077	7.004	765.837	443.726	0.061
Dead+Wind 240 deg - Service	50.827	-7.296	4.178	453.157	785.109	-0.469
Dead+Wind 270 deg - Service	50.827	-7.990	-0.007	2.815	869.450	-0.845
Dead+Wind 300 deg - Service	50.827	-6.930	-3.975	-428.913	754.051	-1.021
Dead+Wind 330 deg - Service	50.827	-4.018	-6.888	-745.813	437.279	-0.978

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-50.827	0.000	0.000	50.827	0.000	0.000%
2	-0.067	-60.993	-33.242	0.067	60.993	33.242	0.000%
3	-0.067	-45.745	-33.242	0.067	45.745	33.242	0.000%
4	17.106	-60.993	-29.229	-17.106	60.993	29.229	0.000%
5	17.106	-45.745	-29.229	-17.106	45.745	29.229	0.000%
6	30.558	-60.993	-17.469	-30.558	60.993	17.469	0.000%
7	30.558	-45.745	-17.469	-30.558	45.745	17.469	0.000%
8	33.456	-60.993	0.030	-33.456	60.993	-0.030	0.000%
9	33.456	-45.745	0.030	-33.456	45.745	-0.030	0.000%
10	29.029	-60.993	16.620	-29.029	60.993	-16.620	0.000%
11	29.029	-45.745	16.620	-29.029	45.745	-16.620	0.000%
12	16.861	-60.993	28.744	-16.861	60.993	-28.744	0.000%
13	16.861	-45.745	28.744	-16.861	45.745	-28.744	0.000%
14	-0.008	-60.993	33.242	0.008	60.993	-33.242	0.000%
15	-0.008	-45.745	33.242	0.008	45.745	-33.242	0.000%
16	-17.027	-60.993	29.253	17.027	60.993	-29.253	0.000%
17	-17.027	-45.745	29.253	17.027	45.745	-29.253	0.000%
18	-30.471	-60.993	17.449	30.471	60.993	-17.449	0.000%
19	-30.471	-45.745	17.449	30.471	45.745	-17.449	0.000%
20	-33.372	-60.993	-0.030	33.372	60.993	0.030	0.000%
21	-33.372	-45.745	-0.030	33.372	45.745	0.030	0.000%
22	-28.942	-60.993	-16.600	28.942	60.993	16.600	0.000%
23	-28.942	-45.745	-16.600	28.942	45.745	16.600	0.000%
24	-16.781	-60.993	-28.768	16.781	60.993	28.768	0.000%
25	-16.781	-45.745	-28.768	16.781	45.745	28.768	0.000%
26	0.000	-102.706	0.000	0.000	102.706	-0.000	0.000%
27	-0.028	-102.706	-8.002	0.028	102.706	8.002	0.000%
28	4.014	-102.706	-6.908	-4.014	102.706	6.908	0.000%
29	6.944	-102.706	-3.978	-6.944	102.706	3.978	0.000%
30	8.020	-102.706	0.020	-8.020	102.706	-0.020	0.000%
31	6.964	-102.706	4.013	-6.964	102.706	-4.013	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
32	4.049	-102.706	6.928	-4.049	102.706	-6.928	0.000%
33	0.013	-102.706	8.002	-0.013	102.706	-8.002	0.000%
34	-3.998	-102.706	6.913	3.998	102.706	-6.913	0.000%
35	-6.926	-102.706	3.974	6.926	102.706	-3.974	0.000%
36	-8.003	-102.706	-0.020	8.004	102.706	0.020	0.000%
37	-6.947	-102.706	-4.009	6.947	102.706	4.009	0.000%
38	-4.033	-102.706	-6.933	4.033	102.706	6.933	0.000%
39	-0.016	-50.827	-7.959	0.016	50.827	7.959	0.000%
40	4.096	-50.827	-6.998	-4.096	50.827	6.998	0.000%
41	7.316	-50.827	-4.183	-7.316	50.827	4.183	0.000%
42	8.010	-50.827	0.007	-8.010	50.827	-0.007	0.000%
43	6.950	-50.827	3.979	-6.950	50.827	-3.979	0.000%
44	4.037	-50.827	6.882	-4.037	50.827	-6.882	0.000%
45	-0.002	-50.827	7.959	0.002	50.827	-7.959	0.000%
46	-4.077	-50.827	7.004	4.077	50.827	-7.004	0.000%
47	-7.296	-50.827	4.178	7.296	50.827	-4.178	0.000%
48	-7.990	-50.827	-0.007	7.990	50.827	0.007	0.000%
49	-6.930	-50.827	-3.975	6.930	50.827	3.975	0.000%
50	-4.018	-50.827	-6.888	4.018	50.827	6.888	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00058265
3	Yes	4	0.00000001	0.00037463
4	Yes	5	0.00000001	0.00028946
5	Yes	5	0.00000001	0.00013675
6	Yes	5	0.00000001	0.00028967
7	Yes	5	0.00000001	0.00013576
8	Yes	4	0.00000001	0.00072014
9	Yes	4	0.00000001	0.00047039
10	Yes	5	0.00000001	0.00030645
11	Yes	5	0.00000001	0.00014587
12	Yes	5	0.00000001	0.00026487
13	Yes	5	0.00000001	0.00012482
14	Yes	4	0.00000001	0.00054283
15	Yes	4	0.00000001	0.00034648
16	Yes	5	0.00000001	0.00029399
17	Yes	5	0.00000001	0.00013863
18	Yes	5	0.00000001	0.00031004
19	Yes	5	0.00000001	0.00014582
20	Yes	4	0.00000001	0.00067366
21	Yes	4	0.00000001	0.00043871
22	Yes	5	0.00000001	0.00026081
23	Yes	5	0.00000001	0.00012306
24	Yes	5	0.00000001	0.00030328
25	Yes	5	0.00000001	0.00014457
26	Yes	4	0.00000001	0.00003514
27	Yes	5	0.00000001	0.00016913
28	Yes	5	0.00000001	0.00018578
29	Yes	5	0.00000001	0.00018583
30	Yes	5	0.00000001	0.00017183
31	Yes	5	0.00000001	0.00019525
32	Yes	5	0.00000001	0.00019383

33	Yes	5	0.00000001	0.00017608
34	Yes	5	0.00000001	0.00019490
35	Yes	5	0.00000001	0.00019473
36	Yes	5	0.00000001	0.00017373
37	Yes	5	0.00000001	0.00018900
38	Yes	5	0.00000001	0.00019042
39	Yes	4	0.00000001	0.00003823
40	Yes	4	0.00000001	0.00009261
41	Yes	4	0.00000001	0.00008913
42	Yes	4	0.00000001	0.00004632
43	Yes	4	0.00000001	0.00012108
44	Yes	4	0.00000001	0.00008299
45	Yes	4	0.00000001	0.00003730
46	Yes	4	0.00000001	0.00009790
47	Yes	4	0.00000001	0.00010969
48	Yes	4	0.00000001	0.00004466
49	Yes	4	0.00000001	0.00008069
50	Yes	4	0.00000001	0.00011695

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	145 - 92.5208	16.210	47	1.057	0.006
L2	97.4792 - 44.7083	6.989	47	0.717	0.002
L3	51.2917 - 0	1.843	47	0.336	0.001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.000	(2) SC-E 6014 REV2 w/ Mount Pipe	47	16.210	1.057	0.006	51816
137.000	RRUS 32 B2_CCIV2	47	14.522	1.003	0.005	32385
129.000	(4) DB844G65ZAXY w/ Mount Pipe	47	12.858	0.948	0.004	16192
127.000	CXL 900-3LW	47	12.449	0.934	0.004	14393
114.000	AIR -32 B2A/B66AA w/ Mount Pipe	47	9.884	0.842	0.003	8357
96.000	repeater technologies DA1900-39	47	6.756	0.705	0.002	5523
95.000	HT65A-F-2X2 w/ Mount Pipe	47	6.601	0.697	0.002	5519

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	145 - 92.5208	68.011	18	4.436	0.024
L2	97.4792 - 44.7083	29.342	6	3.012	0.009
L3	51.2917 - 0	7.741	6	1.411	0.003

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.000	(2) SC-E 6014 REV2 w/ Mount Pipe	18	68.011	4.436	0.025	12473
137.000	RRUS 32 B2_CCIV2	18	60.933	4.210	0.022	7795
129.000	(4) DB844G65ZAXY w/ Mount Pipe	18	53.954	3.981	0.019	3896
127.000	CXL 900-3LW	18	52.236	3.924	0.018	3463
114.000	AIR -32 B2A/B66AA w/ Mount Pipe	18	41.482	3.538	0.013	2009
96.000	repeater technologies DA1900-39	6	28.365	2.963	0.009	1325
95.000	HT65A-F-2X2 w/ Mount Pipe	6	27.715	2.929	0.008	1324

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	145 - 92.5208 (1)	TP35.675x20.5x0.344	52.479	0.000	0.0	37.520	-25.590	2194.940	0.012
L2	92.5208 - 44.7083 (2)	TP48.658x33.554x0.438	52.771	0.000	0.0	65.276	-39.641	3818.650	0.010
L3	44.7083 - 0 (3)	TP60.5x45.899x0.469	51.292	0.000	0.0	90.610	-60.974	5300.670	0.012

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	145 - 92.5208 (1)	TP35.675x20.5x0.344	859.517	1793.083	0.479	0.000	1793.083	0.000
L2	92.5208 - 44.7083 (2)	TP48.658x33.554x0.438	2127.450	4149.033	0.513	0.000	4149.033	0.000
L3	44.7083 - 0 (3)	TP60.5x45.899x0.469	3805.450	6827.617	0.557	0.000	6827.617	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	145 - 92.5208 (1)	TP35.675x20.5x0.344	24.370	658.481	0.037	1.070	1963.408	0.001
L2	92.5208 - 44.7083 (2)	TP48.658x33.554x0.438	30.047	1145.600	0.026	1.948	4669.300	0.000
L3	44.7083 - 0 (3)	TP60.5x45.899x0.469	35.231	1590.200	0.022	2.165	8397.083	0.000

Pole Interaction Design Data

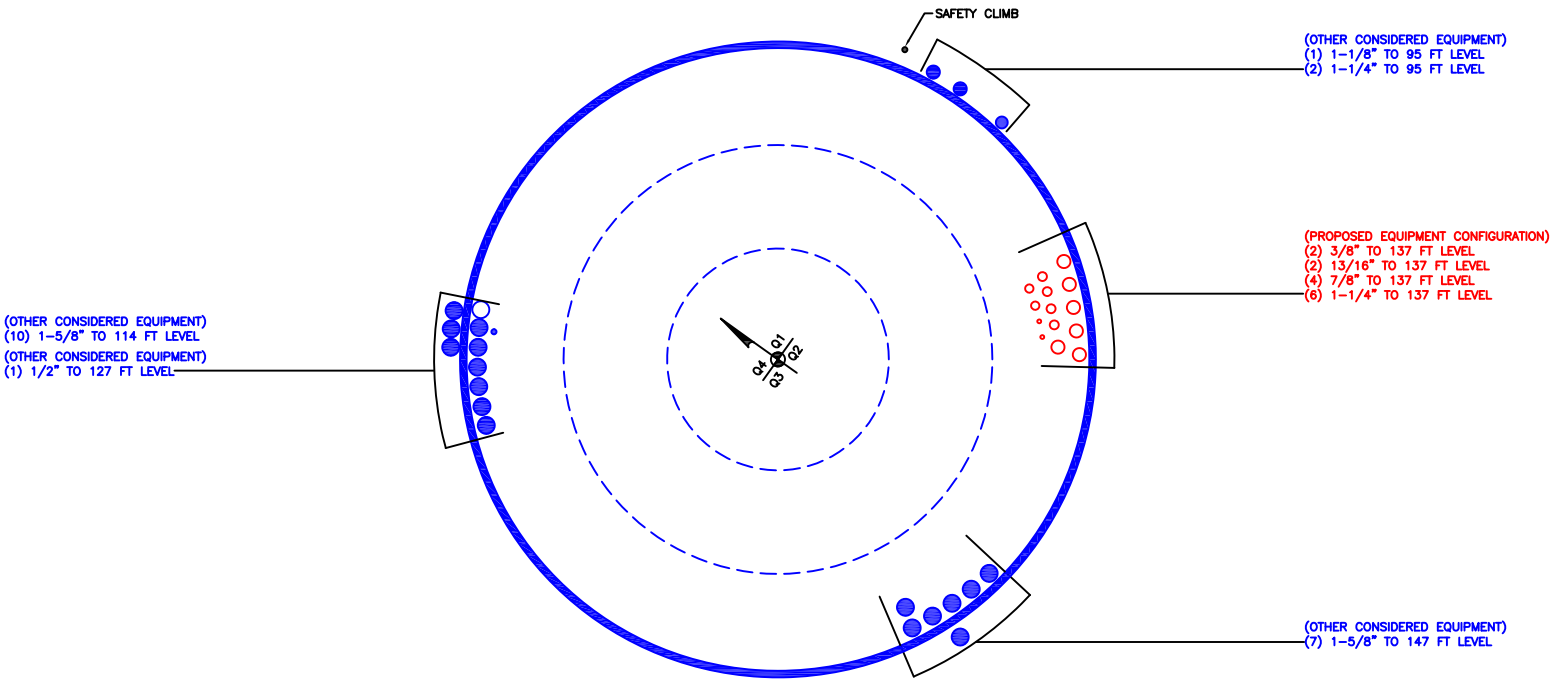
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	145 - 92.5208 (1)	0.012	0.479	0.000	0.037	0.001	0.492 ✔	1.050	4.8.2 ✔
L2	92.5208 - 44.7083 (2)	0.010	0.513	0.000	0.026	0.000	0.524 ✔	1.050	4.8.2 ✔
L3	44.7083 - 0 (3)	0.012	0.557	0.000	0.022	0.000	0.569 ✔	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	145 - 92.5208	Pole	TP35.675x20.5x0.344	1	-25.590	2304.687	46.9	Pass
L2	92.5208 - 44.7083	Pole	TP48.658x33.554x0.438	2	-39.641	4009.582	49.9	Pass
L3	44.7083 - 0	Pole	TP60.5x45.899x0.469	3	-60.974	5565.703	54.2	Pass
						Summary		
						Pole (L3)	54.2	Pass
						RATING =	**54.2**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT:806368

APPENDIX C

ADDITIONAL CALCULATIONS

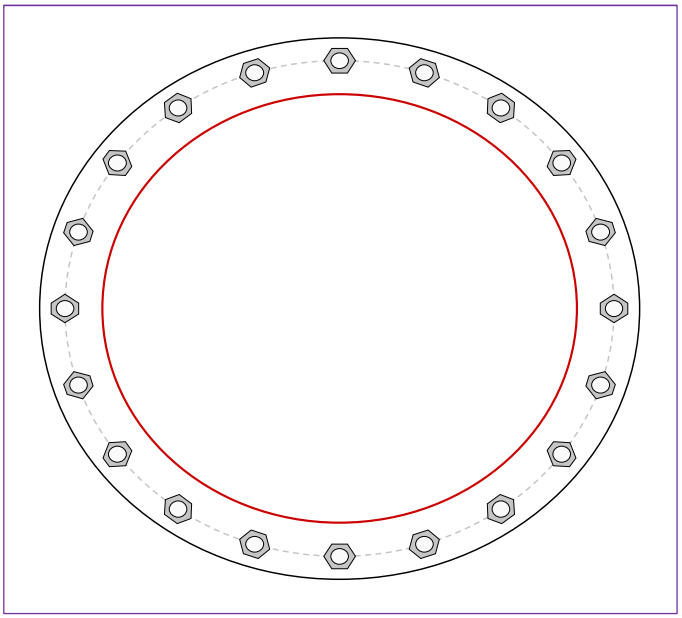
Monopole Base Plate Connection

Site Info	
BU #	806368
Site Name	HRT 049B 943215, CT
Order #	586239, Rev# 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.75

Applied Loads	
Moment (kip-ft)	3805.45
Axial Force (kips)	60.97
Shear Force (kips)	35.23

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(20) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 70" BC

Base Plate Data

76.5" OD x 2.25" Plate (A817 Gr. 60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

60.5" x 0.46875" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_t = 127.37	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.76	ϕVn = 149.1	**49.8%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	31.55	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**55.6%**	**Pass**

PROJECT	**83033.007.01 - HRT 049B 943215, CT**
SUBJECT	**Foundation Reaction Comparison**
DATE	**01/18/22**

B+T GRP
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

v1.3.2

TIA Rev. H - Monopole

Base Reaction Type	Unfactored Original Design Reactions		Factored Reactions		Rating % with TIA-222-H Seciton 15.5 applied	
MP Overturning Moment	5001.4	kip-ft	3805	kip-ft	**53.7%**	Pass
MP Compression	50.6	kips	61	kips	**85.0%**	Pass
MP Base Shear	44.6	kips	35	kips	**55.4%**	Pass

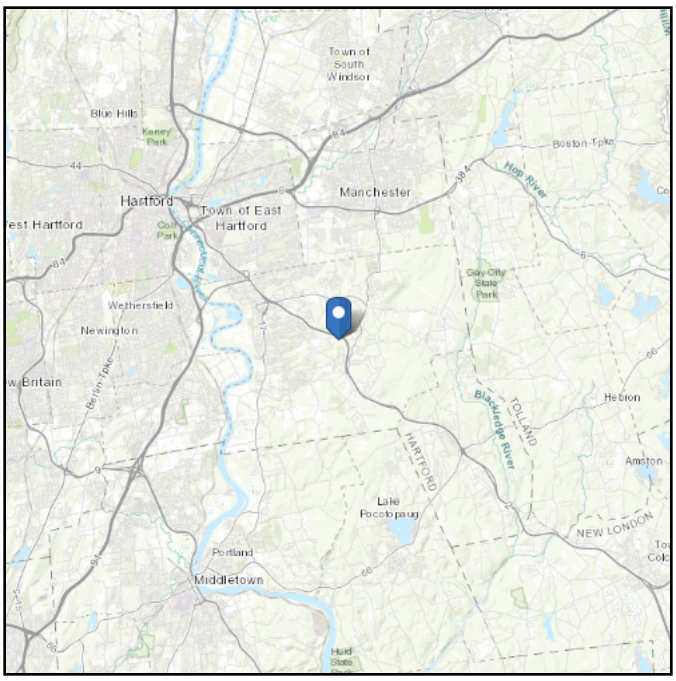
Unfactored original design reactions refered from CCI_974245 (p-3/5)

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 467.15 ft (NAVD 88)
Latitude: 41.693592
Longitude: -72.547253



Wind

Results:

Wind Speed	119 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Mon Jan 17 2022

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 7-16 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 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

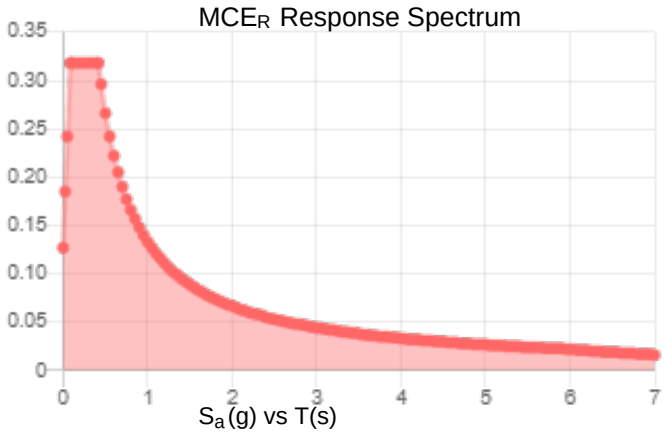
Seismic

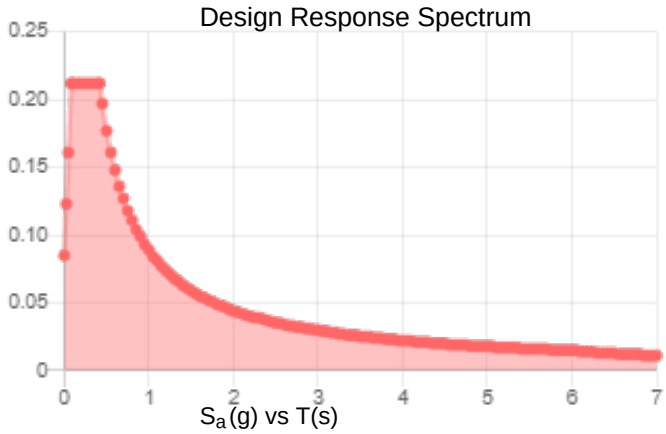
Site Soil Class: D - Default (see Section 11.4.3)

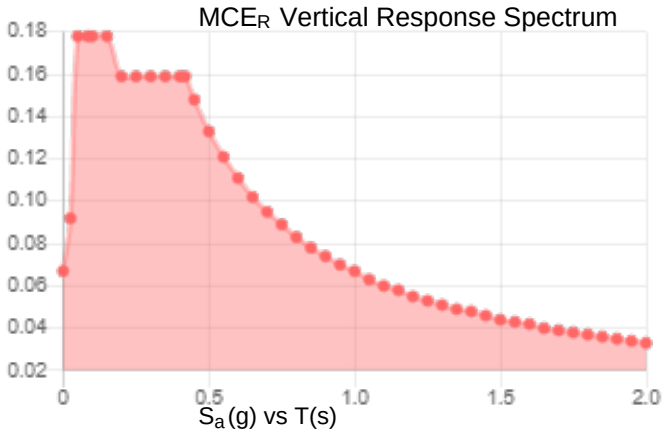
Results:

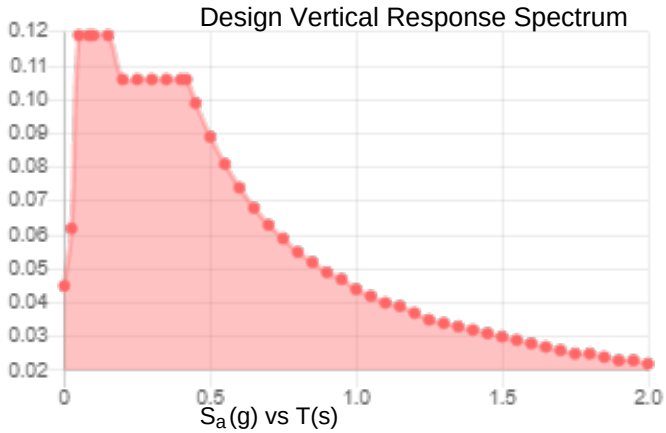
S_S :	0.199	S_{D1} :	0.089
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.109
F_v :	2.4	PGA_M :	0.172
S_{MS} :	0.318	F_{PGA} :	1.582
S_{M1} :	0.133	I_e :	1
S_{DS} :	0.212	C_v :	0.7

Seismic Design Category B









Data Accessed: **Mon Jan 17 2022**

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.50 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Mon Jan 17 2022

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 500-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.

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January 7, 2022

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

Subject:	**Mount Analysis**	
Carrier Designation:	***AT&T Mobility* Reconfiguration**	
	Client Site Number:	CTL01100
	Client Site Name:	Glastonbury Three Mile
	FA Location Code:	10035094
Crown Castle Designation:	**Crown Castle BU Number:**	806368
	Crown Castle Site Name:	HRT 049B 943215
	Crown Castle JDE Job Number:	686190
	Crown Castle Order Number:	586239 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	217455.638743
Site Data:	**374 Three Mile Rd, Glastonbury, Hartford County, CT 06033** **Latitude *41° 41' 36.93"*, Longitude *-72° 32' 50.11"***	
Structure Information:	**Tower Height & Type:**	145.0± ft Monopole
	Mount Elevation:	137.0 ft
	Mount Width & Type:	16.0 ft High Profile Platform

Tower Engineering Professionals is pleased to submit this **"Mount Analysis"** to determine the structural integrity of AT&T Mobility'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:

High Profile Platform Mount **Sufficient Capacity**

The analysis has been performed in accordance with the 2018 International Building Code based upon an ultimate 3-second gust wind speed of 119 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Jordan Marks / WHW

Respectfully submitted by:

Aaron T. Rucker, P.E.
Structural Division Manager
919-661-6351
arucker@tepgroup.net

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TABLE OF CONTENTS

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1) INTRODUCTION

The mount is an existing 16.0-ft 3-sector High Profile Platform mount, designed by Engineered Endeavors and mapped by Tower Engineering Professionals. The mount is installed at the 137.0 ft elevation on the 145.0± ft Monopole.

2) ANALYSIS CRITERIA

Building Code:	2018 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	119 mph
Exposure Category:	B
Topographic Category at Base:	1.0
Topographic Category at Mount:	1.0
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Seismic Design Category:	B
Seismic S_s:	0.199
Seismic S_1:	0.055
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
137.0	142.0	3	Ericsson	AIR 6419 B77G_CCIV2	High Profile Platform Mount
	140.0	1	CCI Antennas	DMP65R-BU6D	
		2	CCI Antennas	DMP65R-BU8D	
		1	CCI Antennas	OPA65R-BU6D	
		2	CCI Antennas	OPA65R-BU8D	
		3	Ericsson	RRUS 32 B2_CCIV2	
		3	Ericsson	RRUS 4426 B66	
		3	Ericsson	RRUS 4449 B5/B12	
		3	Ericsson	RRUS 4478 B14_CCIV2	
		2	Raycap	DC9-48-60-24-8C-EV-CCIV2	
	138.0	3	Ericsson	AIR 6449 B77D	

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Mount Mapping	Tower Engineering Professionals	10051116	CCIsites
Loading Application	AT&T Mobility	Order 586239 Rev. 0	CCIsites
RFDS	AT&T Mobility	RFDS ID: 4767152	CCIsites

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3.1) Analysis Method

RISA-3D (Version 17.0.4), a commercially available analysis software package, was used to create a three-dimensional model of the 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 D)*.

In addition, this analysis is in accordance with AT&T's *Mount Technical Guidance – Revision 16.*

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 plate connection to the pole and assumes it to have sufficient structural capacity to transfer the applied forces from the mount to the tower.
6) All material grades used for this analysis, unless verified by mount manufacturer design, were assumed per AISC Table 2-4, 15th Edition. See RISA-3D output for confirmation on grades used in this analysis.

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

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4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (High Profile Platform Mount)

Notes	Component	Critical Member	Mount Centerline (ft)	% Capacity	Pass / Fail
1	Face Horizontals	SF1-BH	137.0	486	Pass
1	Support Horizontals	SA3	137.0	72.4	Pass
1	Internals	INT3	137.0	79.9	Pass
1	Face Bracing	SF2-V3	137.0	45.1	Pass
1	Mount Pipes	MP-7	137.0	28.1	Pass
2	Connection Bolts	-	137.0	62.4	Pass

Structure Rating (max from all components) =	79.9%

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.

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.

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APPENDIX A

WIRE FRAME AND RENDERED MODELS

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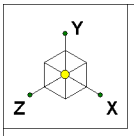

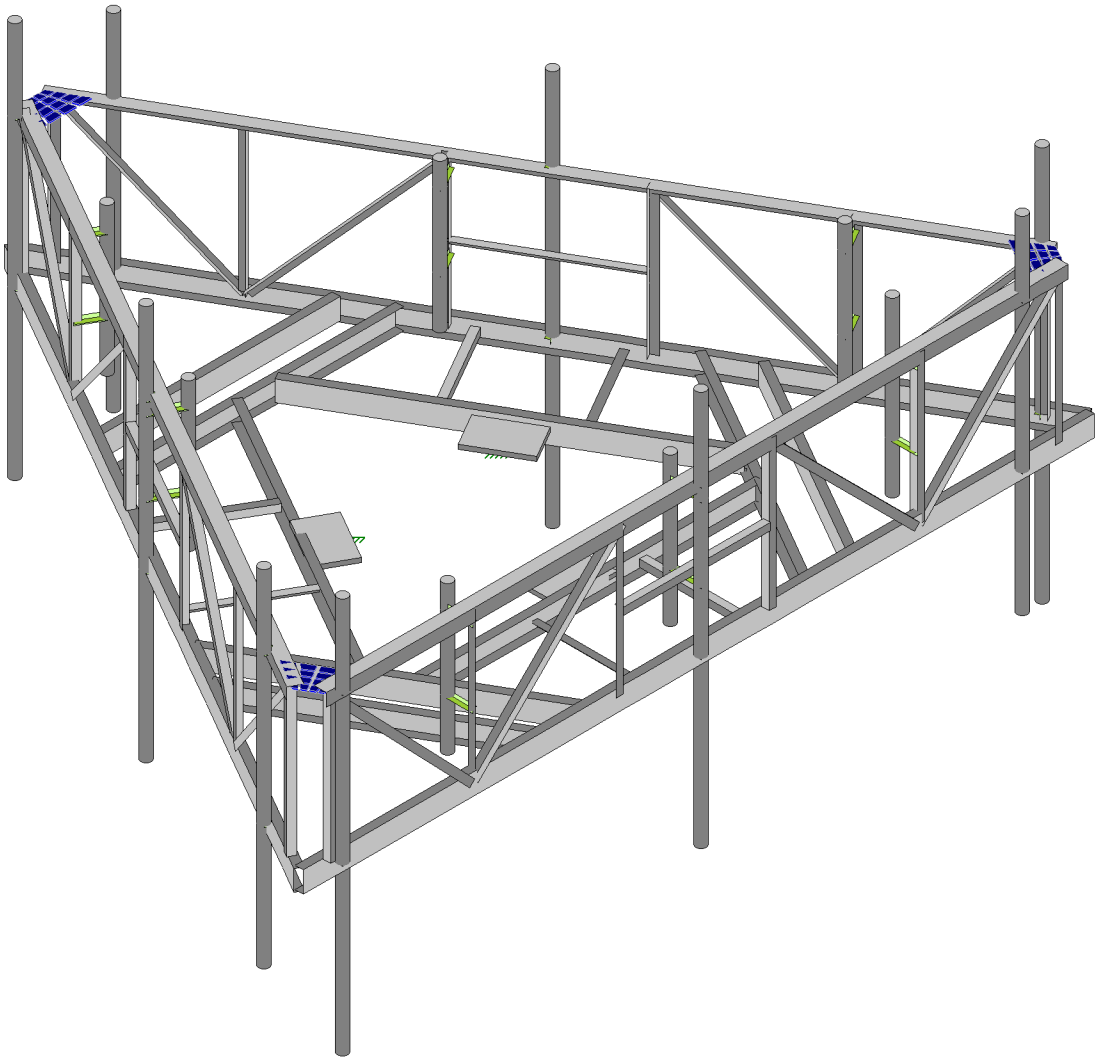

Envelope Only Solution

Tower Engineering Profess...		SK - 1
JCM	CCI BU No. 806368	Jan 7, 2022 at 10:15 AM
TEP No. 217455.638743		Mount Rev H.R3D

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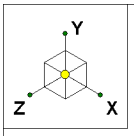

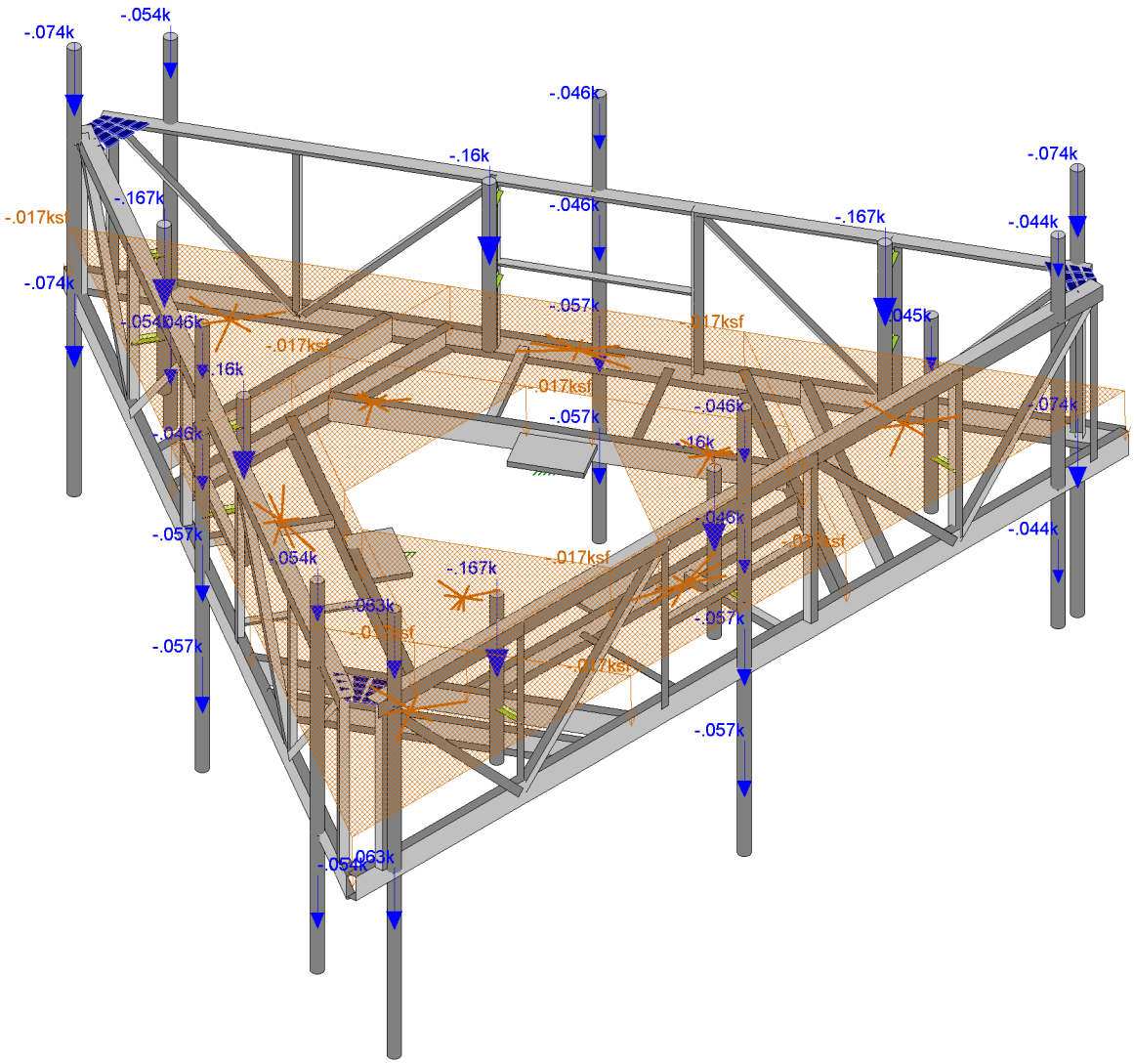

Loads: LC 1, 1.4D
Envelope Only Solution

Tower Engineering Profess...		SK - 2
JCM	CCI BU No. 806368	Jan 7, 2022 at 10:15 AM
TEP No. 217455.638743		Mount Rev H.R3D

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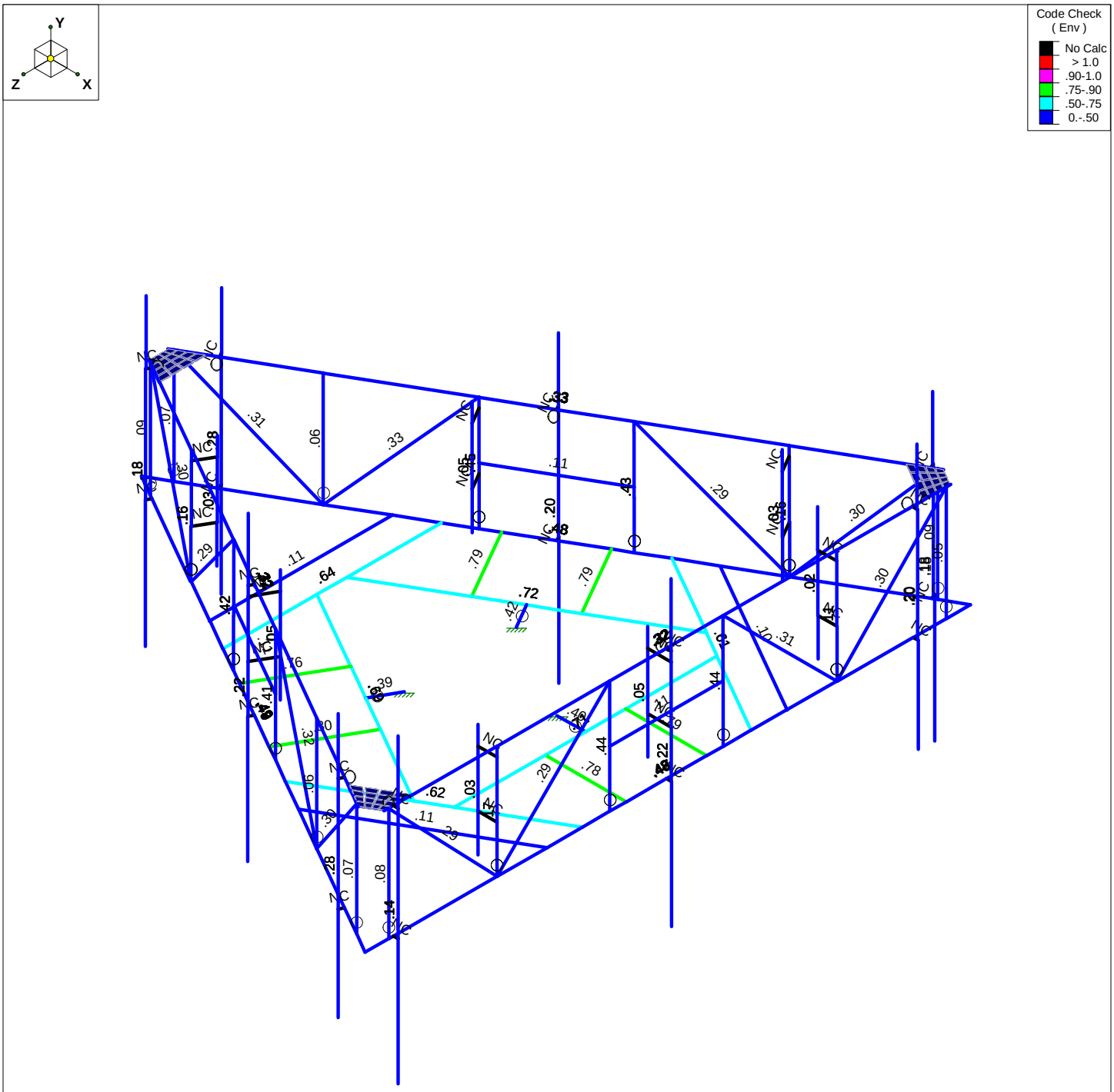

Member Code Checks Displayed (Enveloped)
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TEP No. 217455.638743		Mount Rev H.R3D

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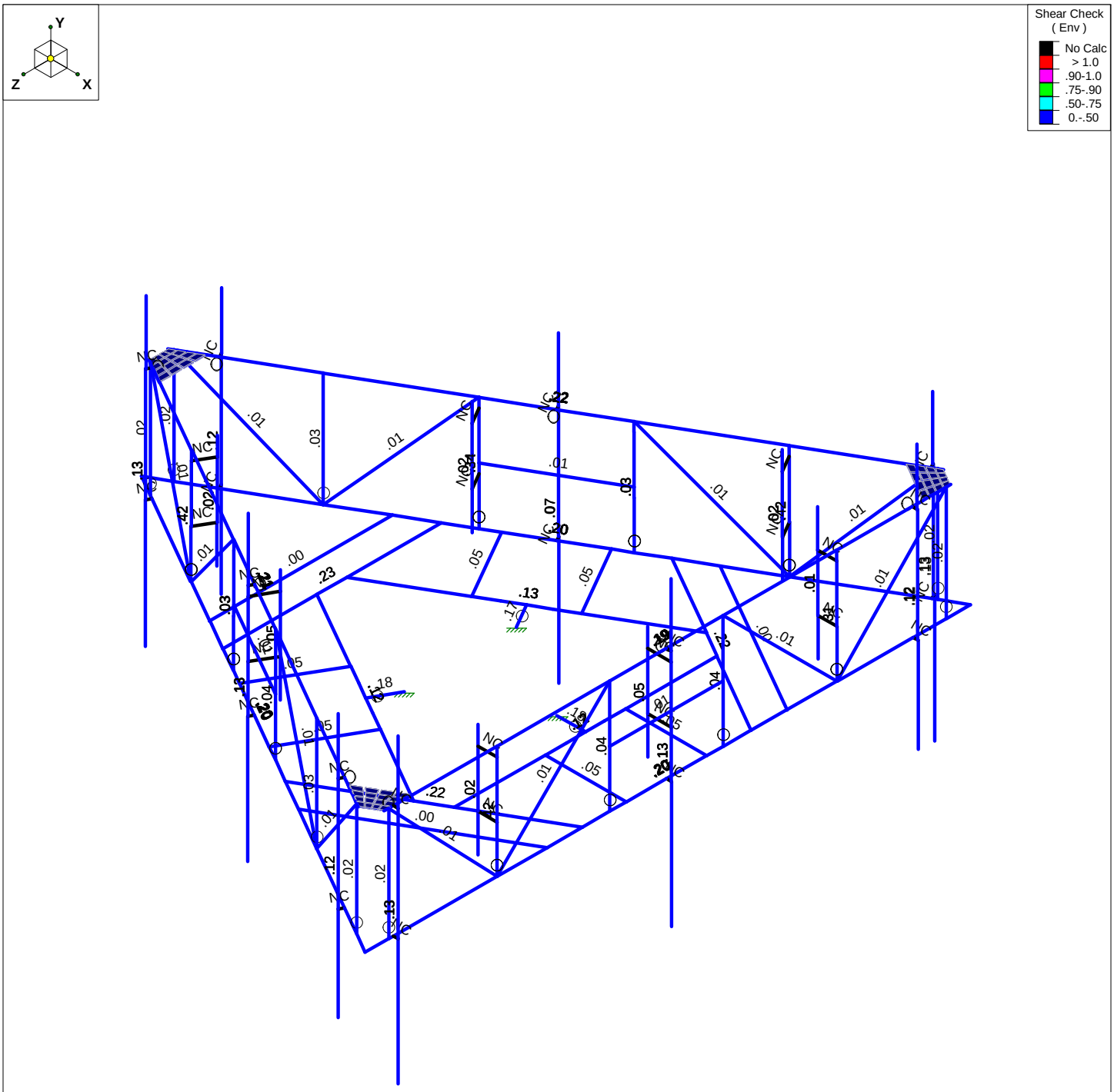

Member Shear Checks Displayed (Enveloped)
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TEP No. 217455.638743		Mount Rev H.R3D

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APPENDIX B

SOFTWARE INPUT CALCULATIONS

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TOWER ENGINEERING PROFESSIONALS

CCI BU No. 806368

TEP No.	217455.638743	
Analysis By:	JCM	1/7/2022
Checked By:	WHW	1/7/2022

Code Revisions:	TIA-222-H	IBC 2018
Tower Type:	Monopole	

Wind Inputs:

Ult. Wind Velocity:	119.0	mph
Live Load Velocity:	30.0	mph
Ice Wind Velocity:	50.0	mph
Base Ice Thickness:	1.50	inches
Mount Centerline:	137.0	ft
Antenna Centerline:	140.0	ft
Exposure Category:	B	
Topo Category:	1	
Risk Category:	II	
Ground Elevation:	467	ft

Wind Calculations:

K_{zt}:	1.000	Section 2.6.6
K_d:	0.950	
$K_{z\text{-}Mount}$:	1.081	Section 2.6.5.2
$K_{z\text{-}Antenna}$:	1.088	Section 2.6.5.2
K_{iz}:	1.154	Section 2.6.10
Ice Thickness:	1.731	inches - Section 2.6.10

Without Ice - (psf)		With Ice - (psf)	
$(q_zG_h)_{Mount}$:	36.61	**$(q_zG_h)_{Mount}$:**	6.46
$(q_zG_h)_{Antenna}$:	36.84	**$(q_zG_h)_{Antenna}$:**	6.50

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

Seismic Input

S_{DS}:	0.212	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:	0.055	Spectral Acceleration at a Period of 1 Second

Seismic Design Force

Cs:	0.106	kips/kip	TIA-H Sec 2.7.7.1.1
Cs-min:	0.030	kips/kip	TIA-H Sec 2.7.7.1.1

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TOWER ENGINEERING PROFESSIONALS

CCI BU No. 806368

TEP No.	217455.638743	
Analysis By:	JCM	1/7/2022
Checked By:	WHW	1/7/2022

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,%)
CCI ANTENNAS	OPA65R-BU6D	71.20	21.00	7.80	63.50	0.00	1	Flat	MP-1	0.75	6.25	
ERICSSON	AIR 6419 B77G_CCIV2	28.30	15.87	8.07	66.10	0.00	1	Flat	MP-2	1.00	3.00	
ERICSSON	AIR 6449 B77D	30.39	15.87	8.07	81.60	0.00	1	Flat	MP-2	5.00	7.00	
CCI ANTENNAS	DMP65R-BU6D	71.20	20.70	7.70	89.30	0.00	1	Flat	MP-3	1.25	5.75	
ERICSSON	RRUS 4478 B14_CCIV2	18.10	13.40	8.26	59.40	90.00	1	Flat	RMP-2	1.50		
ERICSSON	RRUS 32 B2_CCIV2	27.60	12.45	7.41	55.12	90.00	1	Flat	RMP-2	1.50		
ERICSSON	RRUS 4449 B5/B12	17.90	13.19	9.44	71.00	90.00	1	Flat	RMP-3	1.50		
ERICSSON	RRUS 4426 B66	14.96	13.19	5.80	48.40	90.00	1	Flat	RMP-3	1.50		
CCI ANTENNAS	OPA65R-BU8D	96.00	21.00	7.80	76.50	120.00	1	Flat	MP-4	0.75	6.25	
ERICSSON	AIR 6419 B77G_CCIV2	28.30	15.87	8.07	66.10	120.00	1	Flat	MP-5	1.00	3.00	
ERICSSON	AIR 6449 B77D	30.39	15.87	8.07	81.60	120.00	1	Flat	MP-5	5.00	7.00	
CCI ANTENNAS	DMP65R-BU8D	96.00	20.70	7.70	105.60	120.00	1	Flat	MP-6	1.25	5.75	
ERICSSON	RRUS 4478 B14_CCIV2	18.10	13.40	8.26	59.40	210.00	1	Flat	RMP-4	1.50		
ERICSSON	RRUS 32 B2_CCIV2	27.60	12.45	7.41	55.12	210.00	1	Flat	RMP-4	1.50		
ERICSSON	RRUS 4449 B5/B12	17.90	13.19	9.44	71.00	210.00	1	Flat	RMP-5	1.50		
ERICSSON	RRUS 4426 B66	14.96	13.19	5.80	48.40	210.00	1	Flat	RMP-5	1.50		
CCI ANTENNAS	OPA65R-BU8D	96.00	21.00	7.80	76.50	240.00	1	Flat	MP-7	0.75	6.25	
ERICSSON	AIR 6419 B77G_CCIV2	28.30	15.87	8.07	66.10	240.00	1	Flat	MP-8	1.00	3.00	
ERICSSON	AIR 6449 B77D	30.39	15.87	8.07	81.60	240.00	1	Flat	MP-8	5.00	7.00	
CCI ANTENNAS	DMP65R-BU8D	96.00	20.70	7.70	105.60	240.00	1	Flat	MP-9	1.25	5.75	
ERICSSON	RRUS 4478 B14_CCIV2	18.10	13.40	8.26	59.40	330.00	1	Flat	RMP-6	1.50		
ERICSSON	RRUS 32 B2_CCIV2	27.60	12.45	7.41	55.12	330.00	1	Flat	RMP-6	1.50		
ERICSSON	RRUS 4449 B5/B12	17.90	13.19	9.44	71.00	330.00	1	Flat	RMP-7	1.50		
ERICSSON	RRUS 4426 B66	14.96	13.19	5.80	48.40	330.00	1	Flat	RMP-7	1.50		
RAYCAP	DC9-48-60-24-8C-EV_CCIV2	31.40	10.24	10.24	16.00	0.00	2	Round	RMP-1	1.00		

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TOWER ENGINEERING PROFESSIONALS

CCI BU No. 806368

TEP No.	217455.638743	
Analysis By:	JCM	1/7/2022
Checked By:	WHW	1/7/2022

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

Member Name	Wind Proj. (in)	Length (in)	Shape	θ (°)	Perimeter (in)
FF-D1	1.750	49.86	Flat		7.00
FF-D2	1.750	50.91	Flat		7.00
FF-D3	1.750	50.91	Flat		7.00
FF-D4	1.750	49.86	Flat		7.00
SF1-D1	1.750	49.86	Flat		7.00
SF1-D2	1.750	50.91	Flat		7.00
SF1-D3	1.750	50.91	Flat		7.00
SF1-D4	1.750	49.86	Flat		7.00
SF2-D1	1.750	49.86	Flat		7.00
SF2-D2	1.750	50.91	Flat		7.00
SF2-D3	1.750	50.91	Flat		7.00
SF2-D4	1.750	49.86	Flat		7.00
FF-BH	5.000	192.00	Flat	90.00	17.56
SF1-BH	5.000	192.00	Flat	-30.00	17.56
SF2-BH	5.000	192.00	Flat	30.00	17.56
FF-TH	3.000	180.00	Flat	90.00	12.00
SF1-TH	3.000	180.00	Flat	-30.00	12.00
SF2-TH	3.000	180.00	Flat	30.00	12.00
GSI1	5.000	69.25	Flat	-30.00	17.56
GSI2	5.000	69.25	Flat	30.00	17.56
GSI3	5.000	69.25	Flat	90.00	17.56
GSI4	5.000	57.99	Flat	-30.00	17.56
GSI5	5.000	57.99	Flat	30.00	17.56
GSI6	5.000	57.99	Flat	90.00	17.56
INT1	1.750	25.87	Flat	0.00	7.00
INT2	1.750	25.87	Flat	0.00	7.00
INT3	1.750	25.87	Flat	60.00	7.00
INT4	1.750	25.87	Flat	60.00	7.00
INT5	1.750	25.87	Flat	-60.00	7.00
INT6	1.750	25.87	Flat	-60.00	7.00
MP-1	2.375	84.00	Round		7.46
MP-2	2.375	96.00	Round		7.46
MP-3	2.375	96.00	Round		7.46
MP-4	2.375	84.00	Round		7.46
MP-5	2.375	96.00	Round		7.46
MP-6	2.375	96.00	Round		7.46
MP-7	2.375	84.00	Round		7.46
MP-8	2.375	96.00	Round		7.46
MP-9	2.375	96.00	Round		7.46
M82	1.000	9.06	Flat	0.00	30.00
M83	1.000	9.06	Flat	-60.00	30.00
M84	1.000	9.06	Flat	60.00	30.00
SA1	5.000	83.38	Flat	90.00	20.00
SA2	5.000	83.37	Flat	-30.00	20.00
SA3	5.000	83.37	Flat	30.00	20.00
FF-H	1.750	36.00	Flat	90.00	7.00
FF-V1	1.750	36.00	Flat		7.00
FF-V2	1.750	36.00	Flat		7.00
FF-V3	1.750	36.00	Flat		7.00
FF-V4	1.750	36.00	Flat		7.00
FF-V5	1.750	36.00	Flat		7.00
FF-V6	1.750	36.00	Flat		7.00
SF1-H	1.750	36.00	Flat	-30.00	7.00
SF1-V1	1.750	36.00	Flat		7.00
SF1-V2	1.750	36.00	Flat		7.00
SF1-V3	1.750	36.00	Flat		7.00
SF1-V4	1.750	36.00	Flat		7.00
SF1-V5	1.750	36.00	Flat		7.00
SF1-V6	1.750	36.00	Flat		7.00
SF2-H	1.750	36.00	Flat	30.00	7.00
SF2-V1	1.750	36.00	Flat		7.00
SF2-V2	1.750	36.00	Flat		7.00
SF2-V3	1.750	36.00	Flat		7.00
SF2-V4	1.750	36.00	Flat		7.00
SF2-V5	1.750	36.00	Flat		7.00
SF2-V6	1.750	36.00	Flat		7.00
RMP-3	2.375	36.00	Round		7.46
RMP-1	2.375	42.00	Round		7.46
RMP-2	2.375	36.00	Round		7.46
RMP-7	2.375	36.00	Round		7.46
RMP-6	2.375	36.00	Round		7.46
RMP-5	2.375	36.00	Round		7.46
RMP-4	2.375	36.00	Round		7.46

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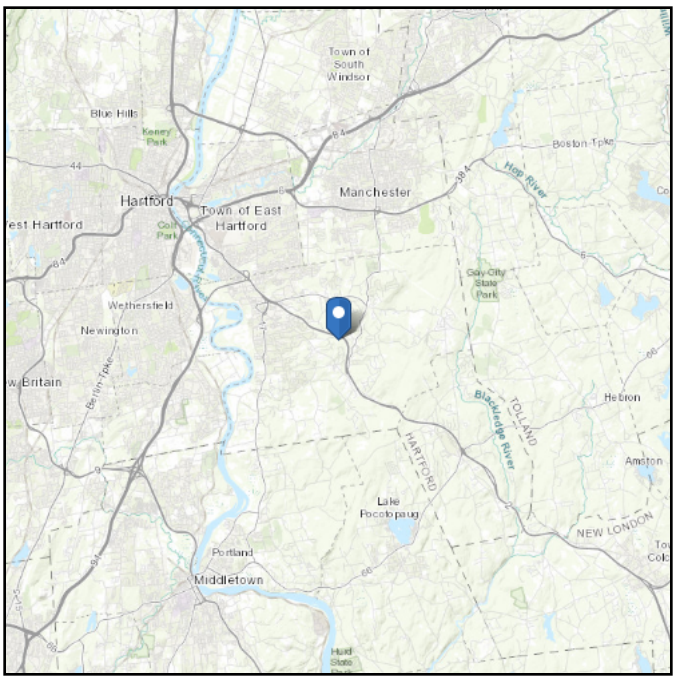
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 467.15 ft (NAVD 88)
Latitude: 41.693592
Longitude: -72.547253



Wind

Results:

Wind Speed	119 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Wed Jan 05 2022

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 7-16 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 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

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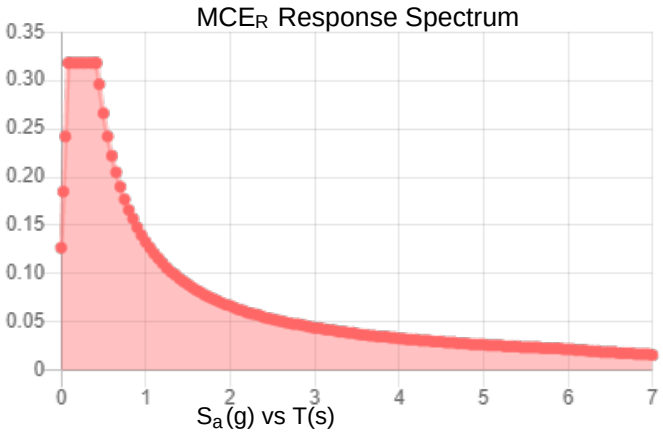
Seismic

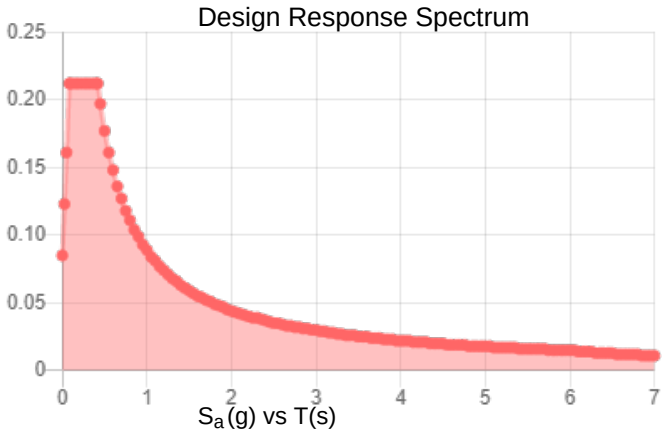
Site Soil Class: D - Default (see Section 11.4.3)

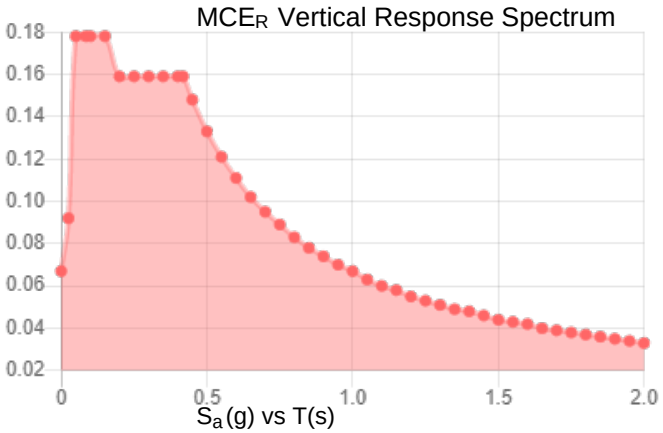
Results:

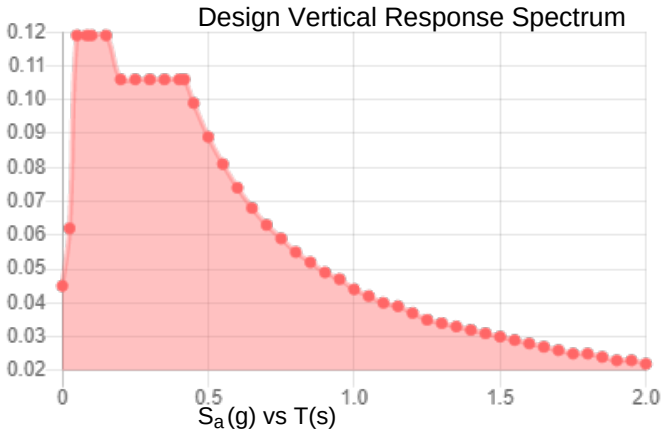
S_S :	0.199	S_{D1} :	0.089
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.109
F_v :	2.4	PGA_M :	0.172
S_{MS} :	0.318	F_{PGA} :	1.582
S_{M1} :	0.133	I_e :	1
S_{DS} :	0.212	C_v :	0.7

Seismic Design Category B









Data Accessed: **Wed Jan 05 2022**

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

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Ice

Results:

Ice Thickness:	1.50 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Wed Jan 05 2022

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

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

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APPENDIX C

SOFTWARE ANALYSIS OUTPUT

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(Global) Model Settings

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

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

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	No
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 : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
Checked By: WHW

(Global) Model Settings, Continued

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

Hot Rolled Steel Properties

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

Cold Formed Steel Properties

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

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design ...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	C5X9	None	None	A36 Gr.36	Typical	2.64	.624	8.89	.109
2	Handrail	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Internal1	C5X9	None	None	A36 Gr.36	Typical	2.64	.624	8.89	.109
4	Internal2	L1.75X1.75X4_HRB	None	None	A36 Gr.36	Typical	.813	.227	.227	.018
5	Vertical Brace	L1.75X1.75X4_HRB	None	None	A36 Gr.36	Typical	.813	.227	.227	.018
6	Diagonal Brace	L1.75X1.75X4_HRB	None	None	A36 Gr.36	Typical	.813	.227	.227	.018
7	Support Arm	C5X9	None	None	A36 Gr.36	Typical	2.64	.624	8.89	.109

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Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design ...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
8	Standoff	PL1x14	None	None	A36 Gr.36	Typical	14	1.167	228.667	4.457
9	Mount Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	CF1	8CU1.25X057	Beam	None	A653 SS Gr...	Typical	.581	.057	4.41	.00063

General Material Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]
1	gen_Conc3NW	3155	1372	.15	.6	.145
2	gen_Conc4NW	3644	1584	.15	.6	.145
3	gen_Conc3LW	2085	906	.15	.6	.11
4	gen_Conc4LW	2408	1047	.15	.6	.11
5	gen_Alum	10100	4077	.3	1.29	.173
6	gen_Steel	29000	11154	.3	.65	.49
7	RIGID	1e+6		.3	0	0

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	N149	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N151	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N153	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	FF-D1	N50	N42		180	Diagonal Brace	None	None	A36 Gr.36	Typical
2	FF-D2	N50	N45		90	Diagonal Brace	None	None	A36 Gr.36	Typical
3	FF-D3	N53	N46		180	Diagonal Brace	None	None	A36 Gr.36	Typical
4	FF-D4	N53	N43		90	Diagonal Brace	None	None	A36 Gr.36	Typical
5	SF1-D1	N82	N74		180	Diagonal Brace	None	None	A36 Gr.36	Typical
6	SF1-D2	N82	N77		90	Diagonal Brace	None	None	A36 Gr.36	Typical
7	SF1-D3	N85	N78		180	Diagonal Brace	None	None	A36 Gr.36	Typical
8	SF1-D4	N85	N75		90	Diagonal Brace	None	None	A36 Gr.36	Typical
9	SF2-D1	N66	N58		180	Diagonal Brace	None	None	A36 Gr.36	Typical
10	SF2-D2	N66	N61		90	Diagonal Brace	None	None	A36 Gr.36	Typical
11	SF2-D3	N69	N62		180	Diagonal Brace	None	None	A36 Gr.36	Typical
12	SF2-D4	N69	N59		90	Diagonal Brace	None	None	A36 Gr.36	Typical
13	FF-BH	N2	N1			Face Horizontal	None	None	A36 Gr.36	Typical
14	SF1-BH	N1	N33			Face Horizontal	None	None	A36 Gr.36	Typical
15	SF2-BH	N33	N2			Face Horizontal	None	None	A36 Gr.36	Typical
16	FF-TH	N41	N40		90	Handrail	None	None	A36 Gr.36	Typical
17	SF1-TH	N73	N72		90	Handrail	None	None	A36 Gr.36	Typical
18	SF2-TH	N57	N56		90	Handrail	None	None	A36 Gr.36	Typical
19	GSI1	N5	N6			Internal1	None	None	A36 Gr.36	Typical
20	GSI2	N3	N4			Internal1	None	None	A36 Gr.36	Typical
21	GSI3	N7	N8			Internal1	None	None	A36 Gr.36	Typical

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368
Jan 7, 2022
10:14 AM
Checked By: WHW

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
22	GSI4	N31	N32		180	Internal1	None	None	A36 Gr.36	Typical
23	GSI5	N29	N30		180	Internal1	None	None	A36 Gr.36	Typical
24	GSI6	N27	N28		180	Internal1	None	None	A36 Gr.36	Typical
25	INT1	N15	N16		90	Internal2	None	None	A36 Gr.36	Typical
26	INT2	N17	N18		180	Internal2	None	None	A36 Gr.36	Typical
27	INT3	N23	N24		90	Internal2	None	None	A36 Gr.36	Typical
28	INT4	N25	N26		180	Internal2	None	None	A36 Gr.36	Typical
29	INT5	N19	N20		90	Internal2	None	None	A36 Gr.36	Typical
30	INT6	N21	N22		180	Internal2	None	None	A36 Gr.36	Typical
31	MP-1	N107	N113			Mount Pipe	None	None	A53 Gr.B	Typical
32	MP-2	N106	N112			Mount Pipe	None	None	A53 Gr.B	Typical
33	MP-3	N108	N114			Mount Pipe	None	None	A53 Gr.B	Typical
34	MP-4	N143A	N146A			Mount Pipe	None	None	A53 Gr.B	Typical
35	MP-5	N142	N145A			Mount Pipe	None	None	A53 Gr.B	Typical
36	MP-6	N144A	N147A			Mount Pipe	None	None	A53 Gr.B	Typical
37	MP-7	N125	N128			Mount Pipe	None	None	A53 Gr.B	Typical
38	MP-8	N124	N127			Mount Pipe	None	None	A53 Gr.B	Typical
39	MP-9	N126	N129			Mount Pipe	None	None	A53 Gr.B	Typical
40	M55	N103	N97A			RIGID	None	None	RIGID	Typical
41	M56	N102	N96A			RIGID	None	None	RIGID	Typical
42	M57	N101	N95A			RIGID	None	None	RIGID	Typical
43	M58	N100	N94A			RIGID	None	None	RIGID	Typical
44	M59	N105	N99			RIGID	None	None	RIGID	Typical
45	M60	N104	N98			RIGID	None	None	RIGID	Typical
46	M64	N121	N115			RIGID	None	None	RIGID	Typical
47	M65	N120	N114A			RIGID	None	None	RIGID	Typical
48	M66	N119	N113A			RIGID	None	None	RIGID	Typical
49	M67	N118	N112A			RIGID	None	None	RIGID	Typical
50	M68	N123	N117			RIGID	None	None	RIGID	Typical
51	M69	N122	N116			RIGID	None	None	RIGID	Typical
52	M73	N139	N133			RIGID	None	None	RIGID	Typical
53	M74	N138	N132			RIGID	None	None	RIGID	Typical
54	M75	N137	N131			RIGID	None	None	RIGID	Typical
55	M76	N136	N130			RIGID	None	None	RIGID	Typical
56	M77	N141	N135			RIGID	None	None	RIGID	Typical
57	M78	N140	N134			RIGID	None	None	RIGID	Typical
58	M82	N149	N148A		90	Standoff	None	None	A36 Gr.36	Typical
59	M83	N151	N150		90	Standoff	None	None	A36 Gr.36	Typical
60	M84	N153	N152		90	Standoff	None	None	A36 Gr.36	Typical
61	SA1	N11	N12		180	Support Arm	None	None	A36 Gr.36	Typical
62	SA2	N13	N14		180	Support Arm	None	None	A36 Gr.36	Typical
63	SA3	N9	N10		180	Support Arm	None	None	A36 Gr.36	Typical
64	FF-H	N55	N54		90	Vertical Brace	None	None	A36 Gr.36	Typical
65	FF-V1	N48	N42			Vertical Brace	None	None	A36 Gr.36	Typical
66	FF-V2	N44	N50			Vertical Brace	None	None	A36 Gr.36	Typical
67	FF-V3	N45	N51			Vertical Brace	None	None	A36 Gr.36	Typical
68	FF-V4	N52	N46			Vertical Brace	None	None	A36 Gr.36	Typical
69	FF-V5	N53	N47			Vertical Brace	None	None	A36 Gr.36	Typical
70	FF-V6	N43	N49			Vertical Brace	None	None	A36 Gr.36	Typical
71	SF1-H	N87	N86		90	Vertical Brace	None	None	A36 Gr.36	Typical
72	SF1-V1	N80	N74		240	Vertical Brace	None	None	A36 Gr.36	Typical
73	SF1-V2	N76	N82		120	Vertical Brace	None	None	A36 Gr.36	Typical

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
74	SF1-V3	N77	N83		120	Vertical Brace	None	None	A36 Gr.36	Typical
75	SF1-V4	N84	N78		240	Vertical Brace	None	None	A36 Gr.36	Typical
76	SF1-V5	N85	N79		240	Vertical Brace	None	None	A36 Gr.36	Typical
77	SF1-V6	N75	N81		120	Vertical Brace	None	None	A36 Gr.36	Typical
78	SF2-H	N71	N70		90	Vertical Brace	None	None	A36 Gr.36	Typical
79	SF2-V1	N64	N58		120	Vertical Brace	None	None	A36 Gr.36	Typical
80	SF2-V2	N60	N66		240	Vertical Brace	None	None	A36 Gr.36	Typical
81	SF2-V3	N61	N67		240	Vertical Brace	None	None	A36 Gr.36	Typical
82	SF2-V4	N68	N62		120	Vertical Brace	None	None	A36 Gr.36	Typical
83	SF2-V5	N69	N63		120	Vertical Brace	None	None	A36 Gr.36	Typical
84	SF2-V6	N59	N65		240	Vertical Brace	None	None	A36 Gr.36	Typical
85	M85	N158	N154			RIGID	None	None	RIGID	Typical
86	M86	N161	N157			RIGID	None	None	RIGID	Typical
87	RMP-3	N158A	N159			Mount Pipe	None	None	A53 Gr.B	Typical
88	M94	N174	N172			RIGID	None	None	RIGID	Typical
89	M95	N175	N173			RIGID	None	None	RIGID	Typical
90	RMP-1	N176	N177			Mount Pipe	None	None	A53 Gr.B	Typical
91	M91	N172A	N170			RIGID	None	None	RIGID	Typical
92	M92	N173A	N171			RIGID	None	None	RIGID	Typical
93	RMP-2	N174A	N175A			Mount Pipe	None	None	A53 Gr.B	Typical
94	M94A	N178	N176A			RIGID	None	None	RIGID	Typical
95	M95A	N179	N177A			RIGID	None	None	RIGID	Typical
96	RMP-7	N180	N181			Mount Pipe	None	None	A53 Gr.B	Typical
97	M97	N184	N182			RIGID	None	None	RIGID	Typical
98	M98	N185	N183			RIGID	None	None	RIGID	Typical
99	RMP-6	N186	N187			Mount Pipe	None	None	A53 Gr.B	Typical
100	M100	N190	N188			RIGID	None	None	RIGID	Typical
101	M101	N191	N189			RIGID	None	None	RIGID	Typical
102	RMP-5	N192	N193			Mount Pipe	None	None	A53 Gr.B	Typical
103	M103	N196	N194			RIGID	None	None	RIGID	Typical
104	M104	N197	N195			RIGID	None	None	RIGID	Typical
105	RMP-4	N198	N199			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-D1						Yes	** NA **			None
2	FF-D2						Yes	** NA **			None
3	FF-D3						Yes	** NA **			None
4	FF-D4						Yes	** NA **			None
5	SF1-D1						Yes	** NA **			None
6	SF1-D2						Yes	** NA **			None
7	SF1-D3						Yes	** NA **			None
8	SF1-D4						Yes	** NA **			None
9	SF2-D1						Yes	** NA **			None
10	SF2-D2						Yes	** NA **			None
11	SF2-D3						Yes	** NA **			None
12	SF2-D4						Yes	** NA **			None
13	FF-BH						Yes	** NA **			None
14	SF1-BH						Yes	** NA **			None
15	SF2-BH						Yes	** NA **			None

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
16	FF-TH						Yes	** NA **			None
17	SF1-TH						Yes	** NA **			None
18	SF2-TH						Yes	** NA **			None
19	GSI1						Yes	** NA **			None
20	GSI2						Yes	** NA **			None
21	GSI3						Yes	** NA **			None
22	GSI4						Yes	** NA **			None
23	GSI5						Yes	** NA **			None
24	GSI6						Yes	** NA **			None
25	INT1						Yes	** NA **			None
26	INT2						Yes	** NA **			None
27	INT3						Yes	** NA **			None
28	INT4						Yes	** NA **			None
29	INT5						Yes	** NA **			None
30	INT6						Yes	** NA **			None
31	MP-1						Yes	** NA **			None
32	MP-2						Yes	** NA **			None
33	MP-3						Yes	** NA **			None
34	MP-4						Yes	** NA **			None
35	MP-5						Yes	** NA **			None
36	MP-6						Yes	** NA **			None
37	MP-7						Yes	** NA **			None
38	MP-8						Yes	** NA **			None
39	MP-9						Yes	** NA **			None
40	M55	OOOXOX					Yes	** NA **			None
41	M56						Yes	** NA **			None
42	M57	OOOXOX					Yes	** NA **			None
43	M58						Yes	** NA **			None
44	M59	OOOXOX					Yes	** NA **			None
45	M60						Yes	** NA **			None
46	M64	OOOXOX					Yes	** NA **			None
47	M65						Yes	** NA **			None
48	M66	OOOXOX					Yes	** NA **			None
49	M67						Yes	** NA **			None
50	M68	OOOXOX					Yes	** NA **			None
51	M69						Yes	** NA **			None
52	M73	OOOXOX					Yes	** NA **			None
53	M74						Yes	** NA **			None
54	M75	OOOXOX					Yes	** NA **			None
55	M76						Yes	** NA **			None
56	M77	OOOXOX					Yes	** NA **			None
57	M78						Yes	** NA **			None
58	M82		BenPIN				Yes	** NA **			None
59	M83		BenPIN				Yes	** NA **			None
60	M84		BenPIN				Yes	** NA **			None
61	SA1						Yes	** NA **			None
62	SA2						Yes	** NA **			None
63	SA3						Yes	** NA **			None
64	FF-H						Yes	** NA **			None
65	FF-V1	OOOOOX					Yes	** NA **			None
66	FF-V2		OOOOOO				Yes	** NA **			None
67	FF-V3		OOOOOO				Yes	** NA **			None

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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
68	FF-V4	OOOOOX					Yes	** NA **			None
69	FF-V5	OOOOOX					Yes	** NA **			None
70	FF-V6		OOOOOO				Yes	** NA **			None
71	SF1-H						Yes	** NA **			None
72	SF1-V1	OOOOOX					Yes	** NA **			None
73	SF1-V2		OOOOOO				Yes	** NA **			None
74	SF1-V3		OOOOOO				Yes	** NA **			None
75	SF1-V4	OOOOOX					Yes	** NA **			None
76	SF1-V5	OOOOOX					Yes	** NA **			None
77	SF1-V6		OOOOOO				Yes	** NA **			None
78	SF2-H						Yes	** NA **			None
79	SF2-V1	OOOOOX					Yes	** NA **			None
80	SF2-V2		OOOOOO				Yes	** NA **			None
81	SF2-V3		OOOOOO				Yes	** NA **			None
82	SF2-V4	OOOOOX					Yes	** NA **			None
83	SF2-V5	OOOOOX					Yes	** NA **			None
84	SF2-V6		OOOOOO				Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	RMP-3						Yes	** NA **			None
88	M94						Yes	** NA **			None
89	M95						Yes	** NA **			None
90	RMP-1						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	RMP-2						Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	M95A						Yes	** NA **			None
96	RMP-7						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	RMP-6						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	RMP-5						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	RMP-4						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torq...	Kyy	Kzz	Cb	Functi...
1	FF-D1	Diagonal Brace	4.155						1	1		Lateral
2	FF-D2	Diagonal Brace	4.243						1	1		Lateral
3	FF-D3	Diagonal Brace	4.243						1	1		Lateral
4	FF-D4	Diagonal Brace	4.155						1	1		Lateral
5	SF1-D1	Diagonal Brace	4.155						1	1		Lateral
6	SF1-D2	Diagonal Brace	4.243						1	1		Lateral
7	SF1-D3	Diagonal Brace	4.243						1	1		Lateral
8	SF1-D4	Diagonal Brace	4.155						1	1		Lateral
9	SF2-D1	Diagonal Brace	4.155						1	1		Lateral

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torq...	Kyy	Kzz	Cb	Functi...
10	SF2-D2	Diagonal Brace	4.243						1	1		Lateral
11	SF2-D3	Diagonal Brace	4.243						1	1		Lateral
12	SF2-D4	Diagonal Brace	4.155						1	1		Lateral
13	FF-BH	Face Horizontal	16	3					.65	.65		Lateral
14	SF1-BH	Face Horizontal	16	3					.65	.65		Lateral
15	SF2-BH	Face Horizontal	16	3					.65	.65		Lateral
16	FF-TH	Handrail	15	3					2.1	2.1		Lateral
17	SF1-TH	Handrail	15	3					2.1	2.1		Lateral
18	SF2-TH	Handrail	15	3					2.1	2.1		Lateral
19	GSI1	Internal1	5.771	2.49					.65	.65		Lateral
20	GSI2	Internal1	5.771	2.49					.65	.65		Lateral
21	GSI3	Internal1	5.771	2.49					.65	.65		Lateral
22	GSI4	Internal1	4.833						.65	.65		Lateral
23	GSI5	Internal1	4.833						.65	.65		Lateral
24	GSI6	Internal1	4.833						.65	.65		Lateral
25	INT1	Internal2	2.156						.65	.65		Lateral
26	INT2	Internal2	2.156						.65	.65		Lateral
27	INT3	Internal2	2.156						.65	.65		Lateral
28	INT4	Internal2	2.156						.65	.65		Lateral
29	INT5	Internal2	2.156						.65	.65		Lateral
30	INT6	Internal2	2.156						.65	.65		Lateral
31	MP-1	Mount Pipe	7	Segment	Segment				2.1	2.1		Lateral
32	MP-2	Mount Pipe	8	Segment	Segment				2.1	2.1		Lateral
33	MP-3	Mount Pipe	8	Segment	Segment				2.1	2.1		Lateral
34	MP-4	Mount Pipe	7	Segment	Segment				2.1	2.1		Lateral
35	MP-5	Mount Pipe	8	Segment	Segment				2.1	2.1		Lateral
36	MP-6	Mount Pipe	8	Segment	Segment				2.1	2.1		Lateral
37	MP-7	Mount Pipe	7	Segment	Segment				2.1	2.1		Lateral
38	MP-8	Mount Pipe	8	Segment	Segment				2.1	2.1		Lateral
39	MP-9	Mount Pipe	8	Segment	Segment				2.1	2.1		Lateral
40	M82	Standoff	.755						.8	.8		Lateral
41	M83	Standoff	.755						.8	.8		Lateral
42	M84	Standoff	.755						.8	.8		Lateral
43	SA1	Support Arm	6.948	2.411	3.474				.65	.65		Lateral
44	SA2	Support Arm	6.948	2.411	3.474				.65	.65		Lateral
45	SA3	Support Arm	6.948	2.411	3.474				.65	.65		Lateral
46	FF-H	Vertical Brace	3						1	1		Lateral
47	FF-V1	Vertical Brace	3						1	1		Lateral
48	FF-V2	Vertical Brace	3						1	1		Lateral
49	FF-V3	Vertical Brace	3						1	1		Lateral
50	FF-V4	Vertical Brace	3						1	1		Lateral
51	FF-V5	Vertical Brace	3						1	1		Lateral
52	FF-V6	Vertical Brace	3						1	1		Lateral
53	SF1-H	Vertical Brace	3						1	1		Lateral
54	SF1-V1	Vertical Brace	3						1	1		Lateral
55	SF1-V2	Vertical Brace	3						1	1		Lateral
56	SF1-V3	Vertical Brace	3						1	1		Lateral
57	SF1-V4	Vertical Brace	3						1	1		Lateral
58	SF1-V5	Vertical Brace	3						1	1		Lateral
59	SF1-V6	Vertical Brace	3						1	1		Lateral
60	SF2-H	Vertical Brace	3						1	1		Lateral
61	SF2-V1	Vertical Brace	3						1	1		Lateral

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Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torq...	Kyy	Kzz	Cb	Functi...
62	SF2-V2	Vertical Brace	3						1	1		Lateral
63	SF2-V3	Vertical Brace	3						1	1		Lateral
64	SF2-V4	Vertical Brace	3						1	1		Lateral
65	SF2-V5	Vertical Brace	3						1	1		Lateral
66	SF2-V6	Vertical Brace	3						1	1		Lateral
67	RMP-3	Mount Pipe	3	Segment	Segment				2.1	2.1		Lateral
68	RMP-1	Mount Pipe	3.5	Segment	Segment				2.1	2.1		Lateral
69	RMP-2	Mount Pipe	3	Segment	Segment				2.1	2.1		Lateral
70	RMP-7	Mount Pipe	3	Segment	Segment				2.1	2.1		Lateral
71	RMP-6	Mount Pipe	3	Segment	Segment				2.1	2.1		Lateral
72	RMP-5	Mount Pipe	3	Segment	Segment				2.1	2.1		Lateral
73	RMP-4	Mount Pipe	3	Segment	Segment				2.1	2.1		Lateral

Cold Formed Steel Design Parameters

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

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead	None		-1			37		9	
2	0 Wind - No Ice	None					37	73		
3	30 Wind - No Ice	None					74	146		
4	45 Wind - No Ice	None					74	146		
5	60 Wind - No Ice	None					74	146		
6	90 Wind - No Ice	None					37	73		
7	120 Wind - No Ice	None					74	146		
8	135 Wind - No Ice	None					74	146		
9	150 Wind - No Ice	None					74	146		
10	180 Wind - No Ice	None					37	73		
11	210 Wind - No Ice	None					74	146		
12	225 Wind - No Ice	None					74	146		
13	240 Wind - No Ice	None					74	146		
14	270 Wind - No Ice	None					37	73		
15	300 Wind - No Ice	None					74	146		
16	315 Wind - No Ice	None					74	146		
17	330 Wind - No Ice	None					74	146		
18	Ice Weight	None					37	73	9	
19	0 Wind - Ice	None					37	73		
20	30 Wind - Ice	None					74	146		
21	45 Wind - Ice	None					74	146		
22	60 Wind - Ice	None					74	146		
23	90 Wind - Ice	None					37	73		
24	120 Wind - Ice	None					74	146		
25	135 Wind - Ice	None					74	146		
26	150 Wind - Ice	None					74	146		
27	180 Wind - Ice	None					37	73		
28	210 Wind - Ice	None					74	146		
29	225 Wind - Ice	None					74	146		
30	240 Wind - Ice	None					74	146		

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
31	270 Wind - Ice	None					37	73		
32	300 Wind - Ice	None					74	146		
33	315 Wind - Ice	None					74	146		
34	330 Wind - Ice	None					74	146		
35	Lm	None				1				
36	Lv	None				1				
37	Seismic Load X	ELX	-1				37			
38	Seismic Load Z	ELZ			-1		37			
39	BLC 1 Transient Area...	None						222		
40	BLC 18 Transient Are...	None						222		

Load Combinations

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

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Load Combinations (Continued)

	Description	Solve	PDelta	S...	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac...
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+1.0...	Yes	Y		1	1.2	2	.064	35	1.5																
52	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	3	.064	35	1.5																
53	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	4	.064	35	1.5																
54	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	5	.064	35	1.5																
55	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	6	.064	35	1.5																
56	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	7	.064	35	1.5																
57	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	8	.064	35	1.5																
58	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	9	.064	35	1.5																
59	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	10	.064	35	1.5																
60	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	11	.064	35	1.5																
61	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	12	.064	35	1.5																
62	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	13	.064	35	1.5																
63	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	14	.064	35	1.5																
64	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	15	.064	35	1.5																
65	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	16	.064	35	1.5																
66	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	17	.064	35	1.5																
67	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.106	0																	
68	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.092	ELZ	.053																
69	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.075	ELZ	.075																
70	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.053	ELZ	.092																
71	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	0		ELZ	.106																
72	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.053	ELZ	.092																
73	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.075	ELZ	.075																
74	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.092	ELZ	.053																
75	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.106	0																	
76	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.092	ELZ	-.053																
77	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.075	ELZ	-.075																
78	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.053	ELZ	-.092																
79	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	0		ELZ	-.106																
80	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.053	ELZ	-.092																
81	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.075	ELZ	-.075																
82	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.092	ELZ	-.053																
83	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	.106	0																	
84	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	.092	ELZ	.053																
85	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	.075	ELZ	.075																
86	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	.053	ELZ	.092																
87	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	0		ELZ	.106																
88	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	-.053	ELZ	.092																
89	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	-.075	ELZ	.075																

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
Checked By: WHW

Load Combinations (Continued)

	Description	Solve	PDelta	S...	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac...
90	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	-.092	ELZ	.053																
91	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	-.106	0																	
92	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	-.092	ELZ	-.053																
93	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	-.075	ELZ	-.075																
94	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	-.053	ELZ	-.092																
95	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	0		ELZ	-.106																
96	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	.053	ELZ	-.092																
97	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	.075	ELZ	-.075																
98	(0.9-0.2Sds)*DL...	Yes	Y		1	.858	E...	.092	ELZ	-.053																

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.032	.75
2	MP-2	Y	-.033	1
3	MP-2	Y	-.041	5
4	MP-3	Y	-.045	1.25
5	RMP-2	Y	-.059	1.5
6	RMP-2	Y	-.055	1.5
7	RMP-3	Y	-.071	1.5
8	RMP-3	Y	-.048	1.5
9	MP-4	Y	-.038	.75
10	MP-5	Y	-.033	1
11	MP-5	Y	-.041	5
12	MP-6	Y	-.053	1.25
13	RMP-4	Y	-.059	1.5
14	RMP-4	Y	-.055	1.5
15	RMP-5	Y	-.071	1.5
16	RMP-5	Y	-.048	1.5
17	MP-7	Y	-.038	.75
18	MP-8	Y	-.033	1
19	MP-8	Y	-.041	5
20	MP-9	Y	-.053	1.25
21	RMP-6	Y	-.059	1.5
22	RMP-6	Y	-.055	1.5
23	RMP-7	Y	-.071	1.5
24	RMP-7	Y	-.048	1.5
25	RMP-1	Y	-.032	1
26	MP-1	Y	-.032	6.25
27	MP-2	Y	-.033	3
28	MP-2	Y	-.041	7
29	MP-3	Y	-.045	5.75
30	MP-4	Y	-.038	6.25
31	MP-5	Y	-.033	3
32	MP-5	Y	-.041	7
33	MP-6	Y	-.053	5.75
34	MP-7	Y	-.038	6.25
35	MP-8	Y	-.033	3
36	MP-8	Y	-.041	7
37	MP-9	Y	-.053	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.203	.75
2	MP-2	X	-.062	1
3	MP-2	X	-.06	5
4	MP-3	X	-.198	1.25
5	RMP-2	X	-.041	1.5
6	RMP-2	X	-.059	1.5
7	RMP-3	X	-.047	1.5
8	RMP-3	X	-.024	1.5
9	MP-4	X	-.153	.75
10	MP-5	X	-.04	1
11	MP-5	X	-.036	5
12	MP-6	X	-.14	1.25
13	RMP-4	X	-.061	1.5
14	RMP-4	X	-.086	1.5
15	RMP-5	X	-.061	1.5
16	RMP-5	X	-.047	1.5
17	MP-7	X	-.153	.75
18	MP-8	X	-.04	1
19	MP-8	X	-.036	5
20	MP-9	X	-.14	1.25
21	RMP-6	X	-.061	1.5
22	RMP-6	X	-.086	1.5
23	RMP-7	X	-.061	1.5
24	RMP-7	X	-.047	1.5
25	RMP-1	X	-.076	1
26	MP-1	X	-.203	6.25
27	MP-2	X	-.062	3
28	MP-2	X	-.06	7
29	MP-3	X	-.198	5.75
30	MP-4	X	-.153	6.25
31	MP-5	X	-.04	3
32	MP-5	X	-.036	7
33	MP-6	X	-.14	5.75
34	MP-7	X	-.153	6.25
35	MP-8	X	-.04	3
36	MP-8	X	-.036	7
37	MP-9	X	-.14	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.148	.75
2	MP-2	X	-.047	1
3	MP-2	X	-.045	5
4	MP-3	X	-.145	1.25
5	RMP-2	X	-.041	1.5
6	RMP-2	X	-.059	1.5
7	RMP-3	X	-.044	1.5
8	RMP-3	X	-.027	1.5
9	MP-4	X	-.093	.75
10	MP-5	X	-.028	1
11	MP-5	X	-.025	5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-6	X	-.085	1.25
13	RMP-4	X	-.058	1.5
14	RMP-4	X	-.082	1.5
15	RMP-5	X	-.056	1.5
16	RMP-5	X	-.047	1.5
17	MP-7	X	-.211	.75
18	MP-8	X	-.047	1
19	MP-8	X	-.045	5
20	MP-9	X	-.192	1.25
21	RMP-6	X	-.041	1.5
22	RMP-6	X	-.059	1.5
23	RMP-7	X	-.044	1.5
24	RMP-7	X	-.027	1.5
25	RMP-1	X	-.066	1
26	MP-1	X	-.148	6.25
27	MP-2	X	-.047	3
28	MP-2	X	-.045	7
29	MP-3	X	-.145	5.75
30	MP-4	X	-.093	6.25
31	MP-5	X	-.028	3
32	MP-5	X	-.025	7
33	MP-6	X	-.085	5.75
34	MP-7	X	-.211	6.25
35	MP-8	X	-.047	3
36	MP-8	X	-.045	7
37	MP-9	X	-.192	5.75
38	MP-1	Z	-.085	.75
39	MP-2	Z	-.027	1
40	MP-2	Z	-.026	5
41	MP-3	Z	-.083	1.25
42	RMP-2	Z	-.024	1.5
43	RMP-2	Z	-.034	1.5
44	RMP-3	Z	-.026	1.5
45	RMP-3	Z	-.016	1.5
46	MP-4	Z	-.054	.75
47	MP-5	Z	-.016	1
48	MP-5	Z	-.014	5
49	MP-6	Z	-.049	1.25
50	RMP-4	Z	-.034	1.5
51	RMP-4	Z	-.047	1.5
52	RMP-5	Z	-.033	1.5
53	RMP-5	Z	-.027	1.5
54	MP-7	Z	-.122	.75
55	MP-8	Z	-.027	1
56	MP-8	Z	-.026	5
57	MP-9	Z	-.111	1.25
58	RMP-6	Z	-.024	1.5
59	RMP-6	Z	-.034	1.5
60	RMP-7	Z	-.026	1.5
61	RMP-7	Z	-.016	1.5
62	RMP-1	Z	-.038	1
63	MP-1	Z	-.085	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
64	MP-2	Z	-.027	3
65	MP-2	Z	-.026	7
66	MP-3	Z	-.083	5.75
67	MP-4	Z	-.054	6.25
68	MP-5	Z	-.016	3
69	MP-5	Z	-.014	7
70	MP-6	Z	-.049	5.75
71	MP-7	Z	-.122	6.25
72	MP-8	Z	-.027	3
73	MP-8	Z	-.026	7
74	MP-9	Z	-.111	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.098	.75
2	MP-2	X	-.034	1
3	MP-2	X	-.031	5
4	MP-3	X	-.096	1.25
5	RMP-2	X	-.038	1.5
6	RMP-2	X	-.054	1.5
7	RMP-3	X	-.04	1.5
8	RMP-3	X	-.028	1.5
9	MP-4	X	-.085	.75
10	MP-5	X	-.025	1
11	MP-5	X	-.022	5
12	MP-6	X	-.078	1.25
13	RMP-4	X	-.046	1.5
14	RMP-4	X	-.065	1.5
15	RMP-5	X	-.045	1.5
16	RMP-5	X	-.037	1.5
17	MP-7	X	-.196	.75
18	MP-8	X	-.042	1
19	MP-8	X	-.041	5
20	MP-9	X	-.178	1.25
21	RMP-6	X	-.03	1.5
22	RMP-6	X	-.043	1.5
23	RMP-7	X	-.034	1.5
24	RMP-7	X	-.018	1.5
25	RMP-1	X	-.054	1
26	MP-1	X	-.098	6.25
27	MP-2	X	-.034	3
28	MP-2	X	-.031	7
29	MP-3	X	-.096	5.75
30	MP-4	X	-.085	6.25
31	MP-5	X	-.025	3
32	MP-5	X	-.022	7
33	MP-6	X	-.078	5.75
34	MP-7	X	-.196	6.25
35	MP-8	X	-.042	3
36	MP-8	X	-.041	7
37	MP-9	X	-.178	5.75

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Point Loads (BLC 4 : 45 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP-1	Z	-.098	.75
39	MP-2	Z	-.034	1
40	MP-2	Z	-.031	5
41	MP-3	Z	-.096	1.25
42	RMP-2	Z	-.038	1.5
43	RMP-2	Z	-.054	1.5
44	RMP-3	Z	-.04	1.5
45	RMP-3	Z	-.028	1.5
46	MP-4	Z	-.085	.75
47	MP-5	Z	-.025	1
48	MP-5	Z	-.022	5
49	MP-6	Z	-.078	1.25
50	RMP-4	Z	-.046	1.5
51	RMP-4	Z	-.065	1.5
52	RMP-5	Z	-.045	1.5
53	RMP-5	Z	-.037	1.5
54	MP-7	Z	-.196	.75
55	MP-8	Z	-.042	1
56	MP-8	Z	-.041	5
57	MP-9	Z	-.178	1.25
58	RMP-6	Z	-.03	1.5
59	RMP-6	Z	-.043	1.5
60	RMP-7	Z	-.034	1.5
61	RMP-7	Z	-.018	1.5
62	RMP-1	Z	-.054	1
63	MP-1	Z	-.098	6.25
64	MP-2	Z	-.034	3
65	MP-2	Z	-.031	7
66	MP-3	Z	-.096	5.75
67	MP-4	Z	-.085	6.25
68	MP-5	Z	-.025	3
69	MP-5	Z	-.022	7
70	MP-6	Z	-.078	5.75
71	MP-7	Z	-.196	6.25
72	MP-8	Z	-.042	3
73	MP-8	Z	-.041	7
74	MP-9	Z	-.178	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.054	.75
2	MP-2	X	-.02	1
3	MP-2	X	-.018	5
4	MP-3	X	-.053	1.25
5	RMP-2	X	-.03	1.5
6	RMP-2	X	-.043	1.5
7	RMP-3	X	-.03	1.5
8	RMP-3	X	-.023	1.5
9	MP-4	X	-.076	.75
10	MP-5	X	-.02	1
11	MP-5	X	-.018	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-6	X	-.07	1.25
13	RMP-4	X	-.03	1.5
14	RMP-4	X	-.043	1.5
15	RMP-5	X	-.03	1.5
16	RMP-5	X	-.023	1.5
17	MP-7	X	-.144	.75
18	MP-8	X	-.031	1
19	MP-8	X	-.03	5
20	MP-9	X	-.131	1.25
21	RMP-6	X	-.021	1.5
22	RMP-6	X	-.03	1.5
23	RMP-7	X	-.023	1.5
24	RMP-7	X	-.012	1.5
25	RMP-1	X	-.038	1
26	MP-1	X	-.054	6.25
27	MP-2	X	-.02	3
28	MP-2	X	-.018	7
29	MP-3	X	-.053	5.75
30	MP-4	X	-.076	6.25
31	MP-5	X	-.02	3
32	MP-5	X	-.018	7
33	MP-6	X	-.07	5.75
34	MP-7	X	-.144	6.25
35	MP-8	X	-.031	3
36	MP-8	X	-.03	7
37	MP-9	X	-.131	5.75
38	MP-1	Z	-.093	.75
39	MP-2	Z	-.035	1
40	MP-2	Z	-.032	5
41	MP-3	Z	-.091	1.25
42	RMP-2	Z	-.052	1.5
43	RMP-2	Z	-.074	1.5
44	RMP-3	Z	-.052	1.5
45	RMP-3	Z	-.041	1.5
46	MP-4	Z	-.132	.75
47	MP-5	Z	-.035	1
48	MP-5	Z	-.032	5
49	MP-6	Z	-.121	1.25
50	RMP-4	Z	-.052	1.5
51	RMP-4	Z	-.074	1.5
52	RMP-5	Z	-.052	1.5
53	RMP-5	Z	-.041	1.5
54	MP-7	Z	-.25	.75
55	MP-8	Z	-.054	1
56	MP-8	Z	-.052	5
57	MP-9	Z	-.228	1.25
58	RMP-6	Z	-.036	1.5
59	RMP-6	Z	-.051	1.5
60	RMP-7	Z	-.04	1.5
61	RMP-7	Z	-.021	1.5
62	RMP-1	Z	-.066	1
63	MP-1	Z	-.093	6.25

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
64	MP-2	Z	-.035	3
65	MP-2	Z	-.032	7
66	MP-3	Z	-.091	5.75
67	MP-4	Z	-.132	6.25
68	MP-5	Z	-.035	3
69	MP-5	Z	-.032	7
70	MP-6	Z	-.121	5.75
71	MP-7	Z	-.25	6.25
72	MP-8	Z	-.054	3
73	MP-8	Z	-.052	7
74	MP-9	Z	-.228	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.075	.75
2	MP-2	Z	-.033	1
3	MP-2	Z	-.029	5
4	MP-3	Z	-.074	1.25
5	RMP-2	Z	-.067	1.5
6	RMP-2	Z	-.095	1.5
7	RMP-3	Z	-.065	1.5
8	RMP-3	Z	-.055	1.5
9	MP-4	Z	-.243	.75
10	MP-5	Z	-.055	1
11	MP-5	Z	-.052	5
12	MP-6	Z	-.222	1.25
13	RMP-4	Z	-.048	1.5
14	RMP-4	Z	-.068	1.5
15	RMP-5	Z	-.051	1.5
16	RMP-5	Z	-.032	1.5
17	MP-7	Z	-.243	.75
18	MP-8	Z	-.055	1
19	MP-8	Z	-.052	5
20	MP-9	Z	-.222	1.25
21	RMP-6	Z	-.048	1.5
22	RMP-6	Z	-.068	1.5
23	RMP-7	Z	-.051	1.5
24	RMP-7	Z	-.032	1.5
25	RMP-1	Z	-.076	1
26	MP-1	Z	-.075	6.25
27	MP-2	Z	-.033	3
28	MP-2	Z	-.029	7
29	MP-3	Z	-.074	5.75
30	MP-4	Z	-.243	6.25
31	MP-5	Z	-.055	3
32	MP-5	Z	-.052	7
33	MP-6	Z	-.222	5.75
34	MP-7	Z	-.243	6.25
35	MP-8	Z	-.055	3
36	MP-8	Z	-.052	7
37	MP-9	Z	-.222	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.054	.75
2	MP-2	X	.02	1
3	MP-2	X	.018	5
4	MP-3	X	.053	1.25
5	RMP-2	X	.03	1.5
6	RMP-2	X	.043	1.5
7	RMP-3	X	.03	1.5
8	RMP-3	X	.023	1.5
9	MP-4	X	.144	.75
10	MP-5	X	.031	1
11	MP-5	X	.03	5
12	MP-6	X	.131	1.25
13	RMP-4	X	.021	1.5
14	RMP-4	X	.03	1.5
15	RMP-5	X	.023	1.5
16	RMP-5	X	.012	1.5
17	MP-7	X	.076	.75
18	MP-8	X	.02	1
19	MP-8	X	.018	5
20	MP-9	X	.07	1.25
21	RMP-6	X	.03	1.5
22	RMP-6	X	.043	1.5
23	RMP-7	X	.03	1.5
24	RMP-7	X	.023	1.5
25	RMP-1	X	.038	1
26	MP-1	X	.054	6.25
27	MP-2	X	.02	3
28	MP-2	X	.018	7
29	MP-3	X	.053	5.75
30	MP-4	X	.144	6.25
31	MP-5	X	.031	3
32	MP-5	X	.03	7
33	MP-6	X	.131	5.75
34	MP-7	X	.076	6.25
35	MP-8	X	.02	3
36	MP-8	X	.018	7
37	MP-9	X	.07	5.75
38	MP-1	Z	-.093	.75
39	MP-2	Z	-.035	1
40	MP-2	Z	-.032	5
41	MP-3	Z	-.091	1.25
42	RMP-2	Z	-.052	1.5
43	RMP-2	Z	-.074	1.5
44	RMP-3	Z	-.052	1.5
45	RMP-3	Z	-.041	1.5
46	MP-4	Z	-.25	.75
47	MP-5	Z	-.054	1
48	MP-5	Z	-.052	5
49	MP-6	Z	-.228	1.25
50	RMP-4	Z	-.036	1.5
51	RMP-4	Z	-.051	1.5
52	RMP-5	Z	-.04	1.5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	RMP-5	Z	-.021	1.5
54	MP-7	Z	-.132	.75
55	MP-8	Z	-.035	1
56	MP-8	Z	-.032	5
57	MP-9	Z	-.121	1.25
58	RMP-6	Z	-.052	1.5
59	RMP-6	Z	-.074	1.5
60	RMP-7	Z	-.052	1.5
61	RMP-7	Z	-.041	1.5
62	RMP-1	Z	-.066	1
63	MP-1	Z	-.093	6.25
64	MP-2	Z	-.035	3
65	MP-2	Z	-.032	7
66	MP-3	Z	-.091	5.75
67	MP-4	Z	-.25	6.25
68	MP-5	Z	-.054	3
69	MP-5	Z	-.052	7
70	MP-6	Z	-.228	5.75
71	MP-7	Z	-.132	6.25
72	MP-8	Z	-.035	3
73	MP-8	Z	-.032	7
74	MP-9	Z	-.121	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.098	.75
2	MP-2	X	.034	1
3	MP-2	X	.031	5
4	MP-3	X	.096	1.25
5	RMP-2	X	.038	1.5
6	RMP-2	X	.054	1.5
7	RMP-3	X	.04	1.5
8	RMP-3	X	.028	1.5
9	MP-4	X	.196	.75
10	MP-5	X	.042	1
11	MP-5	X	.041	5
12	MP-6	X	.178	1.25
13	RMP-4	X	.03	1.5
14	RMP-4	X	.043	1.5
15	RMP-5	X	.034	1.5
16	RMP-5	X	.018	1.5
17	MP-7	X	.085	.75
18	MP-8	X	.025	1
19	MP-8	X	.022	5
20	MP-9	X	.078	1.25
21	RMP-6	X	.046	1.5
22	RMP-6	X	.065	1.5
23	RMP-7	X	.045	1.5
24	RMP-7	X	.037	1.5
25	RMP-1	X	.054	1
26	MP-1	X	.098	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP-2	X	.034	3
28	MP-2	X	.031	7
29	MP-3	X	.096	5.75
30	MP-4	X	.196	6.25
31	MP-5	X	.042	3
32	MP-5	X	.041	7
33	MP-6	X	.178	5.75
34	MP-7	X	.085	6.25
35	MP-8	X	.025	3
36	MP-8	X	.022	7
37	MP-9	X	.078	5.75
38	MP-1	Z	-.098	.75
39	MP-2	Z	-.034	1
40	MP-2	Z	-.031	5
41	MP-3	Z	-.096	1.25
42	RMP-2	Z	-.038	1.5
43	RMP-2	Z	-.054	1.5
44	RMP-3	Z	-.04	1.5
45	RMP-3	Z	-.028	1.5
46	MP-4	Z	-.196	.75
47	MP-5	Z	-.042	1
48	MP-5	Z	-.041	5
49	MP-6	Z	-.178	1.25
50	RMP-4	Z	-.03	1.5
51	RMP-4	Z	-.043	1.5
52	RMP-5	Z	-.034	1.5
53	RMP-5	Z	-.018	1.5
54	MP-7	Z	-.085	.75
55	MP-8	Z	-.025	1
56	MP-8	Z	-.022	5
57	MP-9	Z	-.078	1.25
58	RMP-6	Z	-.046	1.5
59	RMP-6	Z	-.065	1.5
60	RMP-7	Z	-.045	1.5
61	RMP-7	Z	-.037	1.5
62	RMP-1	Z	-.054	1
63	MP-1	Z	-.098	6.25
64	MP-2	Z	-.034	3
65	MP-2	Z	-.031	7
66	MP-3	Z	-.096	5.75
67	MP-4	Z	-.196	6.25
68	MP-5	Z	-.042	3
69	MP-5	Z	-.041	7
70	MP-6	Z	-.178	5.75
71	MP-7	Z	-.085	6.25
72	MP-8	Z	-.025	3
73	MP-8	Z	-.022	7
74	MP-9	Z	-.078	5.75

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

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

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.148	.75
2	MP-2	X	.047	1
3	MP-2	X	.045	5
4	MP-3	X	.145	1.25
5	RMP-2	X	.041	1.5
6	RMP-2	X	.059	1.5
7	RMP-3	X	.044	1.5
8	RMP-3	X	.027	1.5
9	MP-4	X	.211	.75
10	MP-5	X	.047	1
11	MP-5	X	.045	5
12	MP-6	X	.192	1.25
13	RMP-4	X	.041	1.5
14	RMP-4	X	.059	1.5
15	RMP-5	X	.044	1.5
16	RMP-5	X	.027	1.5
17	MP-7	X	.093	.75
18	MP-8	X	.028	1
19	MP-8	X	.025	5
20	MP-9	X	.085	1.25
21	RMP-6	X	.058	1.5
22	RMP-6	X	.082	1.5
23	RMP-7	X	.056	1.5
24	RMP-7	X	.047	1.5
25	RMP-1	X	.066	1
26	MP-1	X	.148	6.25
27	MP-2	X	.047	3
28	MP-2	X	.045	7
29	MP-3	X	.145	5.75
30	MP-4	X	.211	6.25
31	MP-5	X	.047	3
32	MP-5	X	.045	7
33	MP-6	X	.192	5.75
34	MP-7	X	.093	6.25
35	MP-8	X	.028	3
36	MP-8	X	.025	7
37	MP-9	X	.085	5.75
38	MP-1	Z	-.085	.75
39	MP-2	Z	-.027	1
40	MP-2	Z	-.026	5
41	MP-3	Z	-.083	1.25
42	RMP-2	Z	-.024	1.5
43	RMP-2	Z	-.034	1.5
44	RMP-3	Z	-.026	1.5
45	RMP-3	Z	-.016	1.5
46	MP-4	Z	-.122	.75
47	MP-5	Z	-.027	1
48	MP-5	Z	-.026	5
49	MP-6	Z	-.111	1.25
50	RMP-4	Z	-.024	1.5
51	RMP-4	Z	-.034	1.5
52	RMP-5	Z	-.026	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	RMP-5	Z	-.016	1.5
54	MP-7	Z	-.054	.75
55	MP-8	Z	-.016	1
56	MP-8	Z	-.014	5
57	MP-9	Z	-.049	1.25
58	RMP-6	Z	-.034	1.5
59	RMP-6	Z	-.047	1.5
60	RMP-7	Z	-.033	1.5
61	RMP-7	Z	-.027	1.5
62	RMP-1	Z	-.038	1
63	MP-1	Z	-.085	6.25
64	MP-2	Z	-.027	3
65	MP-2	Z	-.026	7
66	MP-3	Z	-.083	5.75
67	MP-4	Z	-.122	6.25
68	MP-5	Z	-.027	3
69	MP-5	Z	-.026	7
70	MP-6	Z	-.111	5.75
71	MP-7	Z	-.054	6.25
72	MP-8	Z	-.016	3
73	MP-8	Z	-.014	7
74	MP-9	Z	-.049	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.203	.75
2	MP-2	X	.062	1
3	MP-2	X	.06	5
4	MP-3	X	.198	1.25
5	RMP-2	X	.041	1.5
6	RMP-2	X	.059	1.5
7	RMP-3	X	.047	1.5
8	RMP-3	X	.024	1.5
9	MP-4	X	.153	.75
10	MP-5	X	.04	1
11	MP-5	X	.036	5
12	MP-6	X	.14	1.25
13	RMP-4	X	.061	1.5
14	RMP-4	X	.086	1.5
15	RMP-5	X	.061	1.5
16	RMP-5	X	.047	1.5
17	MP-7	X	.153	.75
18	MP-8	X	.04	1
19	MP-8	X	.036	5
20	MP-9	X	.14	1.25
21	RMP-6	X	.061	1.5
22	RMP-6	X	.086	1.5
23	RMP-7	X	.061	1.5
24	RMP-7	X	.047	1.5
25	RMP-1	X	.076	1
26	MP-1	X	.203	6.25

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP-2	X	.062	3
28	MP-2	X	.06	7
29	MP-3	X	.198	5.75
30	MP-4	X	.153	6.25
31	MP-5	X	.04	3
32	MP-5	X	.036	7
33	MP-6	X	.14	5.75
34	MP-7	X	.153	6.25
35	MP-8	X	.04	3
36	MP-8	X	.036	7
37	MP-9	X	.14	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.148	.75
2	MP-2	X	.047	1
3	MP-2	X	.045	5
4	MP-3	X	.145	1.25
5	RMP-2	X	.041	1.5
6	RMP-2	X	.059	1.5
7	RMP-3	X	.044	1.5
8	RMP-3	X	.027	1.5
9	MP-4	X	.093	.75
10	MP-5	X	.028	1
11	MP-5	X	.025	5
12	MP-6	X	.085	1.25
13	RMP-4	X	.058	1.5
14	RMP-4	X	.082	1.5
15	RMP-5	X	.056	1.5
16	RMP-5	X	.047	1.5
17	MP-7	X	.211	.75
18	MP-8	X	.047	1
19	MP-8	X	.045	5
20	MP-9	X	.192	1.25
21	RMP-6	X	.041	1.5
22	RMP-6	X	.059	1.5
23	RMP-7	X	.044	1.5
24	RMP-7	X	.027	1.5
25	RMP-1	X	.066	1
26	MP-1	X	.148	6.25
27	MP-2	X	.047	3
28	MP-2	X	.045	7
29	MP-3	X	.145	5.75
30	MP-4	X	.093	6.25
31	MP-5	X	.028	3
32	MP-5	X	.025	7
33	MP-6	X	.085	5.75
34	MP-7	X	.211	6.25
35	MP-8	X	.047	3
36	MP-8	X	.045	7
37	MP-9	X	.192	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP-1	Z	.085	.75
39	MP-2	Z	.027	1
40	MP-2	Z	.026	5
41	MP-3	Z	.083	1.25
42	RMP-2	Z	.024	1.5
43	RMP-2	Z	.034	1.5
44	RMP-3	Z	.026	1.5
45	RMP-3	Z	.016	1.5
46	MP-4	Z	.054	.75
47	MP-5	Z	.016	1
48	MP-5	Z	.014	5
49	MP-6	Z	.049	1.25
50	RMP-4	Z	.034	1.5
51	RMP-4	Z	.047	1.5
52	RMP-5	Z	.033	1.5
53	RMP-5	Z	.027	1.5
54	MP-7	Z	.122	.75
55	MP-8	Z	.027	1
56	MP-8	Z	.026	5
57	MP-9	Z	.111	1.25
58	RMP-6	Z	.024	1.5
59	RMP-6	Z	.034	1.5
60	RMP-7	Z	.026	1.5
61	RMP-7	Z	.016	1.5
62	RMP-1	Z	.038	1
63	MP-1	Z	.085	6.25
64	MP-2	Z	.027	3
65	MP-2	Z	.026	7
66	MP-3	Z	.083	5.75
67	MP-4	Z	.054	6.25
68	MP-5	Z	.016	3
69	MP-5	Z	.014	7
70	MP-6	Z	.049	5.75
71	MP-7	Z	.122	6.25
72	MP-8	Z	.027	3
73	MP-8	Z	.026	7
74	MP-9	Z	.111	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.098	.75
2	MP-2	X	.034	1
3	MP-2	X	.031	5
4	MP-3	X	.096	1.25
5	RMP-2	X	.038	1.5
6	RMP-2	X	.054	1.5
7	RMP-3	X	.04	1.5
8	RMP-3	X	.028	1.5
9	MP-4	X	.085	.75
10	MP-5	X	.025	1
11	MP-5	X	.022	5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-6	X	.078	1.25
13	RMP-4	X	.046	1.5
14	RMP-4	X	.065	1.5
15	RMP-5	X	.045	1.5
16	RMP-5	X	.037	1.5
17	MP-7	X	.196	.75
18	MP-8	X	.042	1
19	MP-8	X	.041	5
20	MP-9	X	.178	1.25
21	RMP-6	X	.03	1.5
22	RMP-6	X	.043	1.5
23	RMP-7	X	.034	1.5
24	RMP-7	X	.018	1.5
25	RMP-1	X	.054	1
26	MP-1	X	.098	6.25
27	MP-2	X	.034	3
28	MP-2	X	.031	7
29	MP-3	X	.096	5.75
30	MP-4	X	.085	6.25
31	MP-5	X	.025	3
32	MP-5	X	.022	7
33	MP-6	X	.078	5.75
34	MP-7	X	.196	6.25
35	MP-8	X	.042	3
36	MP-8	X	.041	7
37	MP-9	X	.178	5.75
38	MP-1	Z	.098	.75
39	MP-2	Z	.034	1
40	MP-2	Z	.031	5
41	MP-3	Z	.096	1.25
42	RMP-2	Z	.038	1.5
43	RMP-2	Z	.054	1.5
44	RMP-3	Z	.04	1.5
45	RMP-3	Z	.028	1.5
46	MP-4	Z	.085	.75
47	MP-5	Z	.025	1
48	MP-5	Z	.022	5
49	MP-6	Z	.078	1.25
50	RMP-4	Z	.046	1.5
51	RMP-4	Z	.065	1.5
52	RMP-5	Z	.045	1.5
53	RMP-5	Z	.037	1.5
54	MP-7	Z	.196	.75
55	MP-8	Z	.042	1
56	MP-8	Z	.041	5
57	MP-9	Z	.178	1.25
58	RMP-6	Z	.03	1.5
59	RMP-6	Z	.043	1.5
60	RMP-7	Z	.034	1.5
61	RMP-7	Z	.018	1.5
62	RMP-1	Z	.054	1
63	MP-1	Z	.098	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
64	MP-2	Z	.034	3
65	MP-2	Z	.031	7
66	MP-3	Z	.096	5.75
67	MP-4	Z	.085	6.25
68	MP-5	Z	.025	3
69	MP-5	Z	.022	7
70	MP-6	Z	.078	5.75
71	MP-7	Z	.196	6.25
72	MP-8	Z	.042	3
73	MP-8	Z	.041	7
74	MP-9	Z	.178	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.054	.75
2	MP-2	X	.02	1
3	MP-2	X	.018	5
4	MP-3	X	.053	1.25
5	RMP-2	X	.03	1.5
6	RMP-2	X	.043	1.5
7	RMP-3	X	.03	1.5
8	RMP-3	X	.023	1.5
9	MP-4	X	.076	.75
10	MP-5	X	.02	1
11	MP-5	X	.018	5
12	MP-6	X	.07	1.25
13	RMP-4	X	.03	1.5
14	RMP-4	X	.043	1.5
15	RMP-5	X	.03	1.5
16	RMP-5	X	.023	1.5
17	MP-7	X	.144	.75
18	MP-8	X	.031	1
19	MP-8	X	.03	5
20	MP-9	X	.131	1.25
21	RMP-6	X	.021	1.5
22	RMP-6	X	.03	1.5
23	RMP-7	X	.023	1.5
24	RMP-7	X	.012	1.5
25	RMP-1	X	.038	1
26	MP-1	X	.054	6.25
27	MP-2	X	.02	3
28	MP-2	X	.018	7
29	MP-3	X	.053	5.75
30	MP-4	X	.076	6.25
31	MP-5	X	.02	3
32	MP-5	X	.018	7
33	MP-6	X	.07	5.75
34	MP-7	X	.144	6.25
35	MP-8	X	.031	3
36	MP-8	X	.03	7
37	MP-9	X	.131	5.75

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
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Member Point Loads (BLC 13 : 240 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP-1	Z	.093	.75
39	MP-2	Z	.035	1
40	MP-2	Z	.032	5
41	MP-3	Z	.091	1.25
42	RMP-2	Z	.052	1.5
43	RMP-2	Z	.074	1.5
44	RMP-3	Z	.052	1.5
45	RMP-3	Z	.041	1.5
46	MP-4	Z	.132	.75
47	MP-5	Z	.035	1
48	MP-5	Z	.032	5
49	MP-6	Z	.121	1.25
50	RMP-4	Z	.052	1.5
51	RMP-4	Z	.074	1.5
52	RMP-5	Z	.052	1.5
53	RMP-5	Z	.041	1.5
54	MP-7	Z	.25	.75
55	MP-8	Z	.054	1
56	MP-8	Z	.052	5
57	MP-9	Z	.228	1.25
58	RMP-6	Z	.036	1.5
59	RMP-6	Z	.051	1.5
60	RMP-7	Z	.04	1.5
61	RMP-7	Z	.021	1.5
62	RMP-1	Z	.066	1
63	MP-1	Z	.093	6.25
64	MP-2	Z	.035	3
65	MP-2	Z	.032	7
66	MP-3	Z	.091	5.75
67	MP-4	Z	.132	6.25
68	MP-5	Z	.035	3
69	MP-5	Z	.032	7
70	MP-6	Z	.121	5.75
71	MP-7	Z	.25	6.25
72	MP-8	Z	.054	3
73	MP-8	Z	.052	7
74	MP-9	Z	.228	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.075	.75
2	MP-2	Z	.033	1
3	MP-2	Z	.029	5
4	MP-3	Z	.074	1.25
5	RMP-2	Z	.067	1.5
6	RMP-2	Z	.095	1.5
7	RMP-3	Z	.065	1.5
8	RMP-3	Z	.055	1.5
9	MP-4	Z	.243	.75
10	MP-5	Z	.055	1
11	MP-5	Z	.052	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-6	Z	.222	1.25
13	RMP-4	Z	.048	1.5
14	RMP-4	Z	.068	1.5
15	RMP-5	Z	.051	1.5
16	RMP-5	Z	.032	1.5
17	MP-7	Z	.243	.75
18	MP-8	Z	.055	1
19	MP-8	Z	.052	5
20	MP-9	Z	.222	1.25
21	RMP-6	Z	.048	1.5
22	RMP-6	Z	.068	1.5
23	RMP-7	Z	.051	1.5
24	RMP-7	Z	.032	1.5
25	RMP-1	Z	.076	1
26	MP-1	Z	.075	6.25
27	MP-2	Z	.033	3
28	MP-2	Z	.029	7
29	MP-3	Z	.074	5.75
30	MP-4	Z	.243	6.25
31	MP-5	Z	.055	3
32	MP-5	Z	.052	7
33	MP-6	Z	.222	5.75
34	MP-7	Z	.243	6.25
35	MP-8	Z	.055	3
36	MP-8	Z	.052	7
37	MP-9	Z	.222	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.054	.75
2	MP-2	X	-.02	1
3	MP-2	X	-.018	5
4	MP-3	X	-.053	1.25
5	RMP-2	X	-.03	1.5
6	RMP-2	X	-.043	1.5
7	RMP-3	X	-.03	1.5
8	RMP-3	X	-.023	1.5
9	MP-4	X	-.144	.75
10	MP-5	X	-.031	1
11	MP-5	X	-.03	5
12	MP-6	X	-.131	1.25
13	RMP-4	X	-.021	1.5
14	RMP-4	X	-.03	1.5
15	RMP-5	X	-.023	1.5
16	RMP-5	X	-.012	1.5
17	MP-7	X	-.076	.75
18	MP-8	X	-.02	1
19	MP-8	X	-.018	5
20	MP-9	X	-.07	1.25
21	RMP-6	X	-.03	1.5
22	RMP-6	X	-.043	1.5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
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Member Point Loads (BLC 15 : 300 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	RMP-7	X	-.03	1.5
24	RMP-7	X	-.023	1.5
25	RMP-1	X	-.038	1
26	MP-1	X	-.054	6.25
27	MP-2	X	-.02	3
28	MP-2	X	-.018	7
29	MP-3	X	-.053	5.75
30	MP-4	X	-.144	6.25
31	MP-5	X	-.031	3
32	MP-5	X	-.03	7
33	MP-6	X	-.131	5.75
34	MP-7	X	-.076	6.25
35	MP-8	X	-.02	3
36	MP-8	X	-.018	7
37	MP-9	X	-.07	5.75
38	MP-1	Z	.093	.75
39	MP-2	Z	.035	1
40	MP-2	Z	.032	5
41	MP-3	Z	.091	1.25
42	RMP-2	Z	.052	1.5
43	RMP-2	Z	.074	1.5
44	RMP-3	Z	.052	1.5
45	RMP-3	Z	.041	1.5
46	MP-4	Z	.25	.75
47	MP-5	Z	.054	1
48	MP-5	Z	.052	5
49	MP-6	Z	.228	1.25
50	RMP-4	Z	.036	1.5
51	RMP-4	Z	.051	1.5
52	RMP-5	Z	.04	1.5
53	RMP-5	Z	.021	1.5
54	MP-7	Z	.132	.75
55	MP-8	Z	.035	1
56	MP-8	Z	.032	5
57	MP-9	Z	.121	1.25
58	RMP-6	Z	.052	1.5
59	RMP-6	Z	.074	1.5
60	RMP-7	Z	.052	1.5
61	RMP-7	Z	.041	1.5
62	RMP-1	Z	.066	1
63	MP-1	Z	.093	6.25
64	MP-2	Z	.035	3
65	MP-2	Z	.032	7
66	MP-3	Z	.091	5.75
67	MP-4	Z	.25	6.25
68	MP-5	Z	.054	3
69	MP-5	Z	.052	7
70	MP-6	Z	.228	5.75
71	MP-7	Z	.132	6.25
72	MP-8	Z	.035	3
73	MP-8	Z	.032	7
74	MP-9	Z	.121	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.098	.75
2	MP-2	X	-.034	1
3	MP-2	X	-.031	5
4	MP-3	X	-.096	1.25
5	RMP-2	X	-.038	1.5
6	RMP-2	X	-.054	1.5
7	RMP-3	X	-.04	1.5
8	RMP-3	X	-.028	1.5
9	MP-4	X	-.196	.75
10	MP-5	X	-.042	1
11	MP-5	X	-.041	5
12	MP-6	X	-.178	1.25
13	RMP-4	X	-.03	1.5
14	RMP-4	X	-.043	1.5
15	RMP-5	X	-.034	1.5
16	RMP-5	X	-.018	1.5
17	MP-7	X	-.085	.75
18	MP-8	X	-.025	1
19	MP-8	X	-.022	5
20	MP-9	X	-.078	1.25
21	RMP-6	X	-.046	1.5
22	RMP-6	X	-.065	1.5
23	RMP-7	X	-.045	1.5
24	RMP-7	X	-.037	1.5
25	RMP-1	X	-.054	1
26	MP-1	X	-.098	6.25
27	MP-2	X	-.034	3
28	MP-2	X	-.031	7
29	MP-3	X	-.096	5.75
30	MP-4	X	-.196	6.25
31	MP-5	X	-.042	3
32	MP-5	X	-.041	7
33	MP-6	X	-.178	5.75
34	MP-7	X	-.085	6.25
35	MP-8	X	-.025	3
36	MP-8	X	-.022	7
37	MP-9	X	-.078	5.75
38	MP-1	Z	.098	.75
39	MP-2	Z	.034	1
40	MP-2	Z	.031	5
41	MP-3	Z	.096	1.25
42	RMP-2	Z	.038	1.5
43	RMP-2	Z	.054	1.5
44	RMP-3	Z	.04	1.5
45	RMP-3	Z	.028	1.5
46	MP-4	Z	.196	.75
47	MP-5	Z	.042	1
48	MP-5	Z	.041	5
49	MP-6	Z	.178	1.25
50	RMP-4	Z	.03	1.5
51	RMP-4	Z	.043	1.5
52	RMP-5	Z	.034	1.5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
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Member Point Loads (BLC 16 : 315 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	RMP-5	Z	.018	1.5
54	MP-7	Z	.085	.75
55	MP-8	Z	.025	1
56	MP-8	Z	.022	5
57	MP-9	Z	.078	1.25
58	RMP-6	Z	.046	1.5
59	RMP-6	Z	.065	1.5
60	RMP-7	Z	.045	1.5
61	RMP-7	Z	.037	1.5
62	RMP-1	Z	.054	1
63	MP-1	Z	.098	6.25
64	MP-2	Z	.034	3
65	MP-2	Z	.031	7
66	MP-3	Z	.096	5.75
67	MP-4	Z	.196	6.25
68	MP-5	Z	.042	3
69	MP-5	Z	.041	7
70	MP-6	Z	.178	5.75
71	MP-7	Z	.085	6.25
72	MP-8	Z	.025	3
73	MP-8	Z	.022	7
74	MP-9	Z	.078	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.148	.75
2	MP-2	X	-.047	1
3	MP-2	X	-.045	5
4	MP-3	X	-.145	1.25
5	RMP-2	X	-.041	1.5
6	RMP-2	X	-.059	1.5
7	RMP-3	X	-.044	1.5
8	RMP-3	X	-.027	1.5
9	MP-4	X	-.211	.75
10	MP-5	X	-.047	1
11	MP-5	X	-.045	5
12	MP-6	X	-.192	1.25
13	RMP-4	X	-.041	1.5
14	RMP-4	X	-.059	1.5
15	RMP-5	X	-.044	1.5
16	RMP-5	X	-.027	1.5
17	MP-7	X	-.093	.75
18	MP-8	X	-.028	1
19	MP-8	X	-.025	5
20	MP-9	X	-.085	1.25
21	RMP-6	X	-.058	1.5
22	RMP-6	X	-.082	1.5
23	RMP-7	X	-.056	1.5
24	RMP-7	X	-.047	1.5
25	RMP-1	X	-.066	1
26	MP-1	X	-.148	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP-2	X	-.047	3
28	MP-2	X	-.045	7
29	MP-3	X	-.145	5.75
30	MP-4	X	-.211	6.25
31	MP-5	X	-.047	3
32	MP-5	X	-.045	7
33	MP-6	X	-.192	5.75
34	MP-7	X	-.093	6.25
35	MP-8	X	-.028	3
36	MP-8	X	-.025	7
37	MP-9	X	-.085	5.75
38	MP-1	Z	.085	.75
39	MP-2	Z	.027	1
40	MP-2	Z	.026	5
41	MP-3	Z	.083	1.25
42	RMP-2	Z	.024	1.5
43	RMP-2	Z	.034	1.5
44	RMP-3	Z	.026	1.5
45	RMP-3	Z	.016	1.5
46	MP-4	Z	.122	.75
47	MP-5	Z	.027	1
48	MP-5	Z	.026	5
49	MP-6	Z	.111	1.25
50	RMP-4	Z	.024	1.5
51	RMP-4	Z	.034	1.5
52	RMP-5	Z	.026	1.5
53	RMP-5	Z	.016	1.5
54	MP-7	Z	.054	.75
55	MP-8	Z	.016	1
56	MP-8	Z	.014	5
57	MP-9	Z	.049	1.25
58	RMP-6	Z	.034	1.5
59	RMP-6	Z	.047	1.5
60	RMP-7	Z	.033	1.5
61	RMP-7	Z	.027	1.5
62	RMP-1	Z	.038	1
63	MP-1	Z	.085	6.25
64	MP-2	Z	.027	3
65	MP-2	Z	.026	7
66	MP-3	Z	.083	5.75
67	MP-4	Z	.122	6.25
68	MP-5	Z	.027	3
69	MP-5	Z	.026	7
70	MP-6	Z	.111	5.75
71	MP-7	Z	.054	6.25
72	MP-8	Z	.016	3
73	MP-8	Z	.014	7
74	MP-9	Z	.049	5.75

Member Point Loads (BLC 18 : Ice Weight)

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

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
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Member Point Loads (BLC 18 : Ice Weight) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.144	.75
2	MP-2	Y	-.056	1
3	MP-2	Y	-.059	5
4	MP-3	Y	-.142	1.25
5	RMP-2	Y	-.073	1.5
6	RMP-2	Y	-.092	1.5
7	RMP-3	Y	-.077	1.5
8	RMP-3	Y	-.055	1.5
9	MP-4	Y	-.189	.75
10	MP-5	Y	-.056	1
11	MP-5	Y	-.059	5
12	MP-6	Y	-.187	1.25
13	RMP-4	Y	-.073	1.5
14	RMP-4	Y	-.092	1.5
15	RMP-5	Y	-.077	1.5
16	RMP-5	Y	-.055	1.5
17	MP-7	Y	-.189	.75
18	MP-8	Y	-.056	1
19	MP-8	Y	-.059	5
20	MP-9	Y	-.187	1.25
21	RMP-6	Y	-.073	1.5
22	RMP-6	Y	-.092	1.5
23	RMP-7	Y	-.077	1.5
24	RMP-7	Y	-.055	1.5
25	RMP-1	Y	-.147	1
26	MP-1	Y	-.144	6.25
27	MP-2	Y	-.056	3
28	MP-2	Y	-.059	7
29	MP-3	Y	-.142	5.75
30	MP-4	Y	-.189	6.25
31	MP-5	Y	-.056	3
32	MP-5	Y	-.059	7
33	MP-6	Y	-.187	5.75
34	MP-7	Y	-.189	6.25
35	MP-8	Y	-.056	3
36	MP-8	Y	-.059	7
37	MP-9	Y	-.187	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.043	.75
2	MP-2	X	-.015	1
3	MP-2	X	-.014	5
4	MP-3	X	-.042	1.25
5	RMP-2	X	-.018	1.5
6	RMP-2	X	-.024	1.5
7	RMP-3	X	-.017	1.5
8	RMP-3	X	-.015	1.5
9	MP-4	X	-.06	.75
10	MP-5	X	-.015	1
11	MP-5	X	-.014	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-6	X	-.055	1.25
13	RMP-4	X	-.018	1.5
14	RMP-4	X	-.024	1.5
15	RMP-5	X	-.017	1.5
16	RMP-5	X	-.015	1.5
17	MP-7	X	-.06	.75
18	MP-8	X	-.015	1
19	MP-8	X	-.014	5
20	MP-9	X	-.055	1.25
21	RMP-6	X	-.018	1.5
22	RMP-6	X	-.024	1.5
23	RMP-7	X	-.017	1.5
24	RMP-7	X	-.015	1.5
25	RMP-1	X	-.019	1
26	MP-1	X	-.043	6.25
27	MP-2	X	-.015	3
28	MP-2	X	-.014	7
29	MP-3	X	-.042	5.75
30	MP-4	X	-.06	6.25
31	MP-5	X	-.015	3
32	MP-5	X	-.014	7
33	MP-6	X	-.055	5.75
34	MP-7	X	-.06	6.25
35	MP-8	X	-.015	3
36	MP-8	X	-.014	7
37	MP-9	X	-.055	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.032	.75
2	MP-2	X	-.012	1
3	MP-2	X	-.011	5
4	MP-3	X	-.031	1.25
5	RMP-2	X	-.012	1.5
6	RMP-2	X	-.016	1.5
7	RMP-3	X	-.012	1.5
8	RMP-3	X	-.009	1.5
9	MP-4	X	-.023	.75
10	MP-5	X	-.008	1
11	MP-5	X	-.007	5
12	MP-6	X	-.022	1.25
13	RMP-4	X	-.015	1.5
14	RMP-4	X	-.021	1.5
15	RMP-5	X	-.015	1.5
16	RMP-5	X	-.013	1.5
17	MP-7	X	-.045	.75
18	MP-8	X	-.012	1
19	MP-8	X	-.011	5
20	MP-9	X	-.041	1.25
21	RMP-6	X	-.012	1.5
22	RMP-6	X	-.016	1.5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	RMP-7	X	-.012	1.5
24	RMP-7	X	-.009	1.5
25	RMP-1	X	-.017	1
26	MP-1	X	-.032	6.25
27	MP-2	X	-.012	3
28	MP-2	X	-.011	7
29	MP-3	X	-.031	5.75
30	MP-4	X	-.023	6.25
31	MP-5	X	-.008	3
32	MP-5	X	-.007	7
33	MP-6	X	-.022	5.75
34	MP-7	X	-.045	6.25
35	MP-8	X	-.012	3
36	MP-8	X	-.011	7
37	MP-9	X	-.041	5.75
38	MP-1	Z	-.018	.75
39	MP-2	Z	-.007	1
40	MP-2	Z	-.006	5
41	MP-3	Z	-.018	1.25
42	RMP-2	Z	-.007	1.5
43	RMP-2	Z	-.009	1.5
44	RMP-3	Z	-.007	1.5
45	RMP-3	Z	-.005	1.5
46	MP-4	Z	-.014	.75
47	MP-5	Z	-.005	1
48	MP-5	Z	-.004	5
49	MP-6	Z	-.012	1.25
50	RMP-4	Z	-.009	1.5
51	RMP-4	Z	-.012	1.5
52	RMP-5	Z	-.009	1.5
53	RMP-5	Z	-.007	1.5
54	MP-7	Z	-.026	.75
55	MP-8	Z	-.007	1
56	MP-8	Z	-.006	5
57	MP-9	Z	-.024	1.25
58	RMP-6	Z	-.007	1.5
59	RMP-6	Z	-.009	1.5
60	RMP-7	Z	-.007	1.5
61	RMP-7	Z	-.005	1.5
62	RMP-1	Z	-.01	1
63	MP-1	Z	-.018	6.25
64	MP-2	Z	-.007	3
65	MP-2	Z	-.006	7
66	MP-3	Z	-.018	5.75
67	MP-4	Z	-.014	6.25
68	MP-5	Z	-.005	3
69	MP-5	Z	-.004	7
70	MP-6	Z	-.012	5.75
71	MP-7	Z	-.026	6.25
72	MP-8	Z	-.007	3
73	MP-8	Z	-.006	7
74	MP-9	Z	-.024	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.022	.75
2	MP-2	X	-.008	1
3	MP-2	X	-.008	5
4	MP-3	X	-.021	1.25
5	RMP-2	X	-.011	1.5
6	RMP-2	X	-.014	1.5
7	RMP-3	X	-.011	1.5
8	RMP-3	X	-.008	1.5
9	MP-4	X	-.021	.75
10	MP-5	X	-.007	1
11	MP-5	X	-.006	5
12	MP-6	X	-.019	1.25
13	RMP-4	X	-.012	1.5
14	RMP-4	X	-.017	1.5
15	RMP-5	X	-.012	1.5
16	RMP-5	X	-.01	1.5
17	MP-7	X	-.041	.75
18	MP-8	X	-.01	1
19	MP-8	X	-.01	5
20	MP-9	X	-.037	1.25
21	RMP-6	X	-.009	1.5
22	RMP-6	X	-.012	1.5
23	RMP-7	X	-.01	1.5
24	RMP-7	X	-.006	1.5
25	RMP-1	X	-.014	1
26	MP-1	X	-.022	6.25
27	MP-2	X	-.008	3
28	MP-2	X	-.008	7
29	MP-3	X	-.021	5.75
30	MP-4	X	-.021	6.25
31	MP-5	X	-.007	3
32	MP-5	X	-.006	7
33	MP-6	X	-.019	5.75
34	MP-7	X	-.041	6.25
35	MP-8	X	-.01	3
36	MP-8	X	-.01	7
37	MP-9	X	-.037	5.75
38	MP-1	Z	-.022	.75
39	MP-2	Z	-.008	1
40	MP-2	Z	-.008	5
41	MP-3	Z	-.021	1.25
42	RMP-2	Z	-.011	1.5
43	RMP-2	Z	-.014	1.5
44	RMP-3	Z	-.011	1.5
45	RMP-3	Z	-.008	1.5
46	MP-4	Z	-.021	.75
47	MP-5	Z	-.007	1
48	MP-5	Z	-.006	5
49	MP-6	Z	-.019	1.25
50	RMP-4	Z	-.012	1.5
51	RMP-4	Z	-.017	1.5
52	RMP-5	Z	-.012	1.5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	RMP-5	Z	-.01	1.5
54	MP-7	Z	-.041	.75
55	MP-8	Z	-.01	1
56	MP-8	Z	-.01	5
57	MP-9	Z	-.037	1.25
58	RMP-6	Z	-.009	1.5
59	RMP-6	Z	-.012	1.5
60	RMP-7	Z	-.01	1.5
61	RMP-7	Z	-.006	1.5
62	RMP-1	Z	-.014	1
63	MP-1	Z	-.022	6.25
64	MP-2	Z	-.008	3
65	MP-2	Z	-.008	7
66	MP-3	Z	-.021	5.75
67	MP-4	Z	-.021	6.25
68	MP-5	Z	-.007	3
69	MP-5	Z	-.006	7
70	MP-6	Z	-.019	5.75
71	MP-7	Z	-.041	6.25
72	MP-8	Z	-.01	3
73	MP-8	Z	-.01	7
74	MP-9	Z	-.037	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.013	.75
2	MP-2	X	-.005	1
3	MP-2	X	-.005	5
4	MP-3	X	-.012	1.25
5	RMP-2	X	-.008	1.5
6	RMP-2	X	-.011	1.5
7	RMP-3	X	-.008	1.5
8	RMP-3	X	-.007	1.5
9	MP-4	X	-.018	.75
10	MP-5	X	-.005	1
11	MP-5	X	-.005	5
12	MP-6	X	-.016	1.25
13	RMP-4	X	-.008	1.5
14	RMP-4	X	-.011	1.5
15	RMP-5	X	-.008	1.5
16	RMP-5	X	-.007	1.5
17	MP-7	X	-.03	.75
18	MP-8	X	-.007	1
19	MP-8	X	-.007	5
20	MP-9	X	-.027	1.25
21	RMP-6	X	-.006	1.5
22	RMP-6	X	-.008	1.5
23	RMP-7	X	-.007	1.5
24	RMP-7	X	-.004	1.5
25	RMP-1	X	-.01	1
26	MP-1	X	-.013	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP-2	X	-.005	3
28	MP-2	X	-.005	7
29	MP-3	X	-.012	5.75
30	MP-4	X	-.018	6.25
31	MP-5	X	-.005	3
32	MP-5	X	-.005	7
33	MP-6	X	-.016	5.75
34	MP-7	X	-.03	6.25
35	MP-8	X	-.007	3
36	MP-8	X	-.007	7
37	MP-9	X	-.027	5.75
38	MP-1	Z	-.022	.75
39	MP-2	Z	-.009	1
40	MP-2	Z	-.008	5
41	MP-3	Z	-.021	1.25
42	RMP-2	Z	-.014	1.5
43	RMP-2	Z	-.019	1.5
44	RMP-3	Z	-.014	1.5
45	RMP-3	Z	-.012	1.5
46	MP-4	Z	-.031	.75
47	MP-5	Z	-.009	1
48	MP-5	Z	-.008	5
49	MP-6	Z	-.028	1.25
50	RMP-4	Z	-.014	1.5
51	RMP-4	Z	-.019	1.5
52	RMP-5	Z	-.014	1.5
53	RMP-5	Z	-.012	1.5
54	MP-7	Z	-.052	.75
55	MP-8	Z	-.013	1
56	MP-8	Z	-.012	5
57	MP-9	Z	-.047	1.25
58	RMP-6	Z	-.011	1.5
59	RMP-6	Z	-.014	1.5
60	RMP-7	Z	-.012	1.5
61	RMP-7	Z	-.007	1.5
62	RMP-1	Z	-.017	1
63	MP-1	Z	-.022	6.25
64	MP-2	Z	-.009	3
65	MP-2	Z	-.008	7
66	MP-3	Z	-.021	5.75
67	MP-4	Z	-.031	6.25
68	MP-5	Z	-.009	3
69	MP-5	Z	-.008	7
70	MP-6	Z	-.028	5.75
71	MP-7	Z	-.052	6.25
72	MP-8	Z	-.013	3
73	MP-8	Z	-.012	7
74	MP-9	Z	-.047	5.75

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.019	.75
2	MP-2	Z	-.009	1
3	MP-2	Z	-.008	5
4	MP-3	Z	-.019	1.25
5	RMP-2	Z	-.012	1.5
6	RMP-2	Z	-.017	1.5
7	RMP-3	Z	-.013	1.5
8	RMP-3	Z	-.008	1.5
9	MP-4	Z	-.027	.75
10	MP-5	Z	-.009	1
11	MP-5	Z	-.008	5
12	MP-6	Z	-.025	1.25
13	RMP-4	Z	-.012	1.5
14	RMP-4	Z	-.017	1.5
15	RMP-5	Z	-.013	1.5
16	RMP-5	Z	-.008	1.5
17	MP-7	Z	-.027	.75
18	MP-8	Z	-.009	1
19	MP-8	Z	-.008	5
20	MP-9	Z	-.025	1.25
21	RMP-6	Z	-.012	1.5
22	RMP-6	Z	-.017	1.5
23	RMP-7	Z	-.013	1.5
24	RMP-7	Z	-.008	1.5
25	RMP-1	Z	-.019	1
26	MP-1	Z	-.019	6.25
27	MP-2	Z	-.009	3
28	MP-2	Z	-.008	7
29	MP-3	Z	-.019	5.75
30	MP-4	Z	-.027	6.25
31	MP-5	Z	-.009	3
32	MP-5	Z	-.008	7
33	MP-6	Z	-.025	5.75
34	MP-7	Z	-.027	6.25
35	MP-8	Z	-.009	3
36	MP-8	Z	-.008	7
37	MP-9	Z	-.025	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.013	.75
2	MP-2	X	.005	1
3	MP-2	X	.005	5
4	MP-3	X	.012	1.25
5	RMP-2	X	.008	1.5
6	RMP-2	X	.011	1.5
7	RMP-3	X	.008	1.5
8	RMP-3	X	.007	1.5
9	MP-4	X	.03	.75
10	MP-5	X	.007	1
11	MP-5	X	.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-6	X	.027	1.25
13	RMP-4	X	.006	1.5
14	RMP-4	X	.008	1.5
15	RMP-5	X	.007	1.5
16	RMP-5	X	.004	1.5
17	MP-7	X	.018	.75
18	MP-8	X	.005	1
19	MP-8	X	.005	5
20	MP-9	X	.016	1.25
21	RMP-6	X	.008	1.5
22	RMP-6	X	.011	1.5
23	RMP-7	X	.008	1.5
24	RMP-7	X	.007	1.5
25	RMP-1	X	.01	1
26	MP-1	X	.013	6.25
27	MP-2	X	.005	3
28	MP-2	X	.005	7
29	MP-3	X	.012	5.75
30	MP-4	X	.03	6.25
31	MP-5	X	.007	3
32	MP-5	X	.007	7
33	MP-6	X	.027	5.75
34	MP-7	X	.018	6.25
35	MP-8	X	.005	3
36	MP-8	X	.005	7
37	MP-9	X	.016	5.75
38	MP-1	Z	-.022	.75
39	MP-2	Z	-.009	1
40	MP-2	Z	-.008	5
41	MP-3	Z	-.021	1.25
42	RMP-2	Z	-.014	1.5
43	RMP-2	Z	-.019	1.5
44	RMP-3	Z	-.014	1.5
45	RMP-3	Z	-.012	1.5
46	MP-4	Z	-.052	.75
47	MP-5	Z	-.013	1
48	MP-5	Z	-.012	5
49	MP-6	Z	-.047	1.25
50	RMP-4	Z	-.011	1.5
51	RMP-4	Z	-.014	1.5
52	RMP-5	Z	-.012	1.5
53	RMP-5	Z	-.007	1.5
54	MP-7	Z	-.031	.75
55	MP-8	Z	-.009	1
56	MP-8	Z	-.008	5
57	MP-9	Z	-.028	1.25
58	RMP-6	Z	-.014	1.5
59	RMP-6	Z	-.019	1.5
60	RMP-7	Z	-.014	1.5
61	RMP-7	Z	-.012	1.5
62	RMP-1	Z	-.017	1
63	MP-1	Z	-.022	6.25

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
64	MP-2	Z	-.009	3
65	MP-2	Z	-.008	7
66	MP-3	Z	-.021	5.75
67	MP-4	Z	-.052	6.25
68	MP-5	Z	-.013	3
69	MP-5	Z	-.012	7
70	MP-6	Z	-.047	5.75
71	MP-7	Z	-.031	6.25
72	MP-8	Z	-.009	3
73	MP-8	Z	-.008	7
74	MP-9	Z	-.028	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.022	.75
2	MP-2	X	.008	1
3	MP-2	X	.008	5
4	MP-3	X	.021	1.25
5	RMP-2	X	.011	1.5
6	RMP-2	X	.014	1.5
7	RMP-3	X	.011	1.5
8	RMP-3	X	.008	1.5
9	MP-4	X	.041	.75
10	MP-5	X	.01	1
11	MP-5	X	.01	5
12	MP-6	X	.037	1.25
13	RMP-4	X	.009	1.5
14	RMP-4	X	.012	1.5
15	RMP-5	X	.01	1.5
16	RMP-5	X	.006	1.5
17	MP-7	X	.021	.75
18	MP-8	X	.007	1
19	MP-8	X	.006	5
20	MP-9	X	.019	1.25
21	RMP-6	X	.012	1.5
22	RMP-6	X	.017	1.5
23	RMP-7	X	.012	1.5
24	RMP-7	X	.01	1.5
25	RMP-1	X	.014	1
26	MP-1	X	.022	6.25
27	MP-2	X	.008	3
28	MP-2	X	.008	7
29	MP-3	X	.021	5.75
30	MP-4	X	.041	6.25
31	MP-5	X	.01	3
32	MP-5	X	.01	7
33	MP-6	X	.037	5.75
34	MP-7	X	.021	6.25
35	MP-8	X	.007	3
36	MP-8	X	.006	7
37	MP-9	X	.019	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP-1	Z	-.022	.75
39	MP-2	Z	-.008	1
40	MP-2	Z	-.008	5
41	MP-3	Z	-.021	1.25
42	RMP-2	Z	-.011	1.5
43	RMP-2	Z	-.014	1.5
44	RMP-3	Z	-.011	1.5
45	RMP-3	Z	-.008	1.5
46	MP-4	Z	-.041	.75
47	MP-5	Z	-.01	1
48	MP-5	Z	-.01	5
49	MP-6	Z	-.037	1.25
50	RMP-4	Z	-.009	1.5
51	RMP-4	Z	-.012	1.5
52	RMP-5	Z	-.01	1.5
53	RMP-5	Z	-.006	1.5
54	MP-7	Z	-.021	.75
55	MP-8	Z	-.007	1
56	MP-8	Z	-.006	5
57	MP-9	Z	-.019	1.25
58	RMP-6	Z	-.012	1.5
59	RMP-6	Z	-.017	1.5
60	RMP-7	Z	-.012	1.5
61	RMP-7	Z	-.01	1.5
62	RMP-1	Z	-.014	1
63	MP-1	Z	-.022	6.25
64	MP-2	Z	-.008	3
65	MP-2	Z	-.008	7
66	MP-3	Z	-.021	5.75
67	MP-4	Z	-.041	6.25
68	MP-5	Z	-.01	3
69	MP-5	Z	-.01	7
70	MP-6	Z	-.037	5.75
71	MP-7	Z	-.021	6.25
72	MP-8	Z	-.007	3
73	MP-8	Z	-.006	7
74	MP-9	Z	-.019	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.032	.75
2	MP-2	X	.012	1
3	MP-2	X	.011	5
4	MP-3	X	.031	1.25
5	RMP-2	X	.012	1.5
6	RMP-2	X	.016	1.5
7	RMP-3	X	.012	1.5
8	RMP-3	X	.009	1.5
9	MP-4	X	.045	.75
10	MP-5	X	.012	1
11	MP-5	X	.011	5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-6	X	.041	1.25
13	RMP-4	X	.012	1.5
14	RMP-4	X	.016	1.5
15	RMP-5	X	.012	1.5
16	RMP-5	X	.009	1.5
17	MP-7	X	.023	.75
18	MP-8	X	.008	1
19	MP-8	X	.007	5
20	MP-9	X	.022	1.25
21	RMP-6	X	.015	1.5
22	RMP-6	X	.021	1.5
23	RMP-7	X	.015	1.5
24	RMP-7	X	.013	1.5
25	RMP-1	X	.017	1
26	MP-1	X	.032	6.25
27	MP-2	X	.012	3
28	MP-2	X	.011	7
29	MP-3	X	.031	5.75
30	MP-4	X	.045	6.25
31	MP-5	X	.012	3
32	MP-5	X	.011	7
33	MP-6	X	.041	5.75
34	MP-7	X	.023	6.25
35	MP-8	X	.008	3
36	MP-8	X	.007	7
37	MP-9	X	.022	5.75
38	MP-1	Z	-.018	.75
39	MP-2	Z	-.007	1
40	MP-2	Z	-.006	5
41	MP-3	Z	-.018	1.25
42	RMP-2	Z	-.007	1.5
43	RMP-2	Z	-.009	1.5
44	RMP-3	Z	-.007	1.5
45	RMP-3	Z	-.005	1.5
46	MP-4	Z	-.026	.75
47	MP-5	Z	-.007	1
48	MP-5	Z	-.006	5
49	MP-6	Z	-.024	1.25
50	RMP-4	Z	-.007	1.5
51	RMP-4	Z	-.009	1.5
52	RMP-5	Z	-.007	1.5
53	RMP-5	Z	-.005	1.5
54	MP-7	Z	-.014	.75
55	MP-8	Z	-.005	1
56	MP-8	Z	-.004	5
57	MP-9	Z	-.012	1.25
58	RMP-6	Z	-.009	1.5
59	RMP-6	Z	-.012	1.5
60	RMP-7	Z	-.009	1.5
61	RMP-7	Z	-.007	1.5
62	RMP-1	Z	-.01	1
63	MP-1	Z	-.018	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
64	MP-2	Z	-.007	3
65	MP-2	Z	-.006	7
66	MP-3	Z	-.018	5.75
67	MP-4	Z	-.026	6.25
68	MP-5	Z	-.007	3
69	MP-5	Z	-.006	7
70	MP-6	Z	-.024	5.75
71	MP-7	Z	-.014	6.25
72	MP-8	Z	-.005	3
73	MP-8	Z	-.004	7
74	MP-9	Z	-.012	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.043	.75
2	MP-2	X	.015	1
3	MP-2	X	.014	5
4	MP-3	X	.042	1.25
5	RMP-2	X	.018	1.5
6	RMP-2	X	.024	1.5
7	RMP-3	X	.017	1.5
8	RMP-3	X	.015	1.5
9	MP-4	X	.06	.75
10	MP-5	X	.015	1
11	MP-5	X	.014	5
12	MP-6	X	.055	1.25
13	RMP-4	X	.018	1.5
14	RMP-4	X	.024	1.5
15	RMP-5	X	.017	1.5
16	RMP-5	X	.015	1.5
17	MP-7	X	.06	.75
18	MP-8	X	.015	1
19	MP-8	X	.014	5
20	MP-9	X	.055	1.25
21	RMP-6	X	.018	1.5
22	RMP-6	X	.024	1.5
23	RMP-7	X	.017	1.5
24	RMP-7	X	.015	1.5
25	RMP-1	X	.019	1
26	MP-1	X	.043	6.25
27	MP-2	X	.015	3
28	MP-2	X	.014	7
29	MP-3	X	.042	5.75
30	MP-4	X	.06	6.25
31	MP-5	X	.015	3
32	MP-5	X	.014	7
33	MP-6	X	.055	5.75
34	MP-7	X	.06	6.25
35	MP-8	X	.015	3
36	MP-8	X	.014	7
37	MP-9	X	.055	5.75

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.032	.75
2	MP-2	X	.012	1
3	MP-2	X	.011	5
4	MP-3	X	.031	1.25
5	RMP-2	X	.012	1.5
6	RMP-2	X	.016	1.5
7	RMP-3	X	.012	1.5
8	RMP-3	X	.009	1.5
9	MP-4	X	.023	.75
10	MP-5	X	.008	1
11	MP-5	X	.007	5
12	MP-6	X	.022	1.25
13	RMP-4	X	.015	1.5
14	RMP-4	X	.021	1.5
15	RMP-5	X	.015	1.5
16	RMP-5	X	.013	1.5
17	MP-7	X	.045	.75
18	MP-8	X	.012	1
19	MP-8	X	.011	5
20	MP-9	X	.041	1.25
21	RMP-6	X	.012	1.5
22	RMP-6	X	.016	1.5
23	RMP-7	X	.012	1.5
24	RMP-7	X	.009	1.5
25	RMP-1	X	.017	1
26	MP-1	X	.032	6.25
27	MP-2	X	.012	3
28	MP-2	X	.011	7
29	MP-3	X	.031	5.75
30	MP-4	X	.023	6.25
31	MP-5	X	.008	3
32	MP-5	X	.007	7
33	MP-6	X	.022	5.75
34	MP-7	X	.045	6.25
35	MP-8	X	.012	3
36	MP-8	X	.011	7
37	MP-9	X	.041	5.75
38	MP-1	Z	.018	.75
39	MP-2	Z	.007	1
40	MP-2	Z	.006	5
41	MP-3	Z	.018	1.25
42	RMP-2	Z	.007	1.5
43	RMP-2	Z	.009	1.5
44	RMP-3	Z	.007	1.5
45	RMP-3	Z	.005	1.5
46	MP-4	Z	.014	.75
47	MP-5	Z	.005	1
48	MP-5	Z	.004	5
49	MP-6	Z	.012	1.25
50	RMP-4	Z	.009	1.5
51	RMP-4	Z	.012	1.5
52	RMP-5	Z	.009	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	RMP-5	Z	.007	1.5
54	MP-7	Z	.026	.75
55	MP-8	Z	.007	1
56	MP-8	Z	.006	5
57	MP-9	Z	.024	1.25
58	RMP-6	Z	.007	1.5
59	RMP-6	Z	.009	1.5
60	RMP-7	Z	.007	1.5
61	RMP-7	Z	.005	1.5
62	RMP-1	Z	.01	1
63	MP-1	Z	.018	6.25
64	MP-2	Z	.007	3
65	MP-2	Z	.006	7
66	MP-3	Z	.018	5.75
67	MP-4	Z	.014	6.25
68	MP-5	Z	.005	3
69	MP-5	Z	.004	7
70	MP-6	Z	.012	5.75
71	MP-7	Z	.026	6.25
72	MP-8	Z	.007	3
73	MP-8	Z	.006	7
74	MP-9	Z	.024	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.022	.75
2	MP-2	X	.008	1
3	MP-2	X	.008	5
4	MP-3	X	.021	1.25
5	RMP-2	X	.011	1.5
6	RMP-2	X	.014	1.5
7	RMP-3	X	.011	1.5
8	RMP-3	X	.008	1.5
9	MP-4	X	.021	.75
10	MP-5	X	.007	1
11	MP-5	X	.006	5
12	MP-6	X	.019	1.25
13	RMP-4	X	.012	1.5
14	RMP-4	X	.017	1.5
15	RMP-5	X	.012	1.5
16	RMP-5	X	.01	1.5
17	MP-7	X	.041	.75
18	MP-8	X	.01	1
19	MP-8	X	.01	5
20	MP-9	X	.037	1.25
21	RMP-6	X	.009	1.5
22	RMP-6	X	.012	1.5
23	RMP-7	X	.01	1.5
24	RMP-7	X	.006	1.5
25	RMP-1	X	.014	1
26	MP-1	X	.022	6.25

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP-2	X	.008	3
28	MP-2	X	.008	7
29	MP-3	X	.021	5.75
30	MP-4	X	.021	6.25
31	MP-5	X	.007	3
32	MP-5	X	.006	7
33	MP-6	X	.019	5.75
34	MP-7	X	.041	6.25
35	MP-8	X	.01	3
36	MP-8	X	.01	7
37	MP-9	X	.037	5.75
38	MP-1	Z	.022	.75
39	MP-2	Z	.008	1
40	MP-2	Z	.008	5
41	MP-3	Z	.021	1.25
42	RMP-2	Z	.011	1.5
43	RMP-2	Z	.014	1.5
44	RMP-3	Z	.011	1.5
45	RMP-3	Z	.008	1.5
46	MP-4	Z	.021	.75
47	MP-5	Z	.007	1
48	MP-5	Z	.006	5
49	MP-6	Z	.019	1.25
50	RMP-4	Z	.012	1.5
51	RMP-4	Z	.017	1.5
52	RMP-5	Z	.012	1.5
53	RMP-5	Z	.01	1.5
54	MP-7	Z	.041	.75
55	MP-8	Z	.01	1
56	MP-8	Z	.01	5
57	MP-9	Z	.037	1.25
58	RMP-6	Z	.009	1.5
59	RMP-6	Z	.012	1.5
60	RMP-7	Z	.01	1.5
61	RMP-7	Z	.006	1.5
62	RMP-1	Z	.014	1
63	MP-1	Z	.022	6.25
64	MP-2	Z	.008	3
65	MP-2	Z	.008	7
66	MP-3	Z	.021	5.75
67	MP-4	Z	.021	6.25
68	MP-5	Z	.007	3
69	MP-5	Z	.006	7
70	MP-6	Z	.019	5.75
71	MP-7	Z	.041	6.25
72	MP-8	Z	.01	3
73	MP-8	Z	.01	7
74	MP-9	Z	.037	5.75

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.013	.75
2	MP-2	X	.005	1
3	MP-2	X	.005	5
4	MP-3	X	.012	1.25
5	RMP-2	X	.008	1.5
6	RMP-2	X	.011	1.5
7	RMP-3	X	.008	1.5
8	RMP-3	X	.007	1.5
9	MP-4	X	.018	.75
10	MP-5	X	.005	1
11	MP-5	X	.005	5
12	MP-6	X	.016	1.25
13	RMP-4	X	.008	1.5
14	RMP-4	X	.011	1.5
15	RMP-5	X	.008	1.5
16	RMP-5	X	.007	1.5
17	MP-7	X	.03	.75
18	MP-8	X	.007	1
19	MP-8	X	.007	5
20	MP-9	X	.027	1.25
21	RMP-6	X	.006	1.5
22	RMP-6	X	.008	1.5
23	RMP-7	X	.007	1.5
24	RMP-7	X	.004	1.5
25	RMP-1	X	.01	1
26	MP-1	X	.013	6.25
27	MP-2	X	.005	3
28	MP-2	X	.005	7
29	MP-3	X	.012	5.75
30	MP-4	X	.018	6.25
31	MP-5	X	.005	3
32	MP-5	X	.005	7
33	MP-6	X	.016	5.75
34	MP-7	X	.03	6.25
35	MP-8	X	.007	3
36	MP-8	X	.007	7
37	MP-9	X	.027	5.75
38	MP-1	Z	.022	.75
39	MP-2	Z	.009	1
40	MP-2	Z	.008	5
41	MP-3	Z	.021	1.25
42	RMP-2	Z	.014	1.5
43	RMP-2	Z	.019	1.5
44	RMP-3	Z	.014	1.5
45	RMP-3	Z	.012	1.5
46	MP-4	Z	.031	.75
47	MP-5	Z	.009	1
48	MP-5	Z	.008	5
49	MP-6	Z	.028	1.25
50	RMP-4	Z	.014	1.5
51	RMP-4	Z	.019	1.5
52	RMP-5	Z	.014	1.5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	RMP-5	Z	.012	1.5
54	MP-7	Z	.052	.75
55	MP-8	Z	.013	1
56	MP-8	Z	.012	5
57	MP-9	Z	.047	1.25
58	RMP-6	Z	.011	1.5
59	RMP-6	Z	.014	1.5
60	RMP-7	Z	.012	1.5
61	RMP-7	Z	.007	1.5
62	RMP-1	Z	.017	1
63	MP-1	Z	.022	6.25
64	MP-2	Z	.009	3
65	MP-2	Z	.008	7
66	MP-3	Z	.021	5.75
67	MP-4	Z	.031	6.25
68	MP-5	Z	.009	3
69	MP-5	Z	.008	7
70	MP-6	Z	.028	5.75
71	MP-7	Z	.052	6.25
72	MP-8	Z	.013	3
73	MP-8	Z	.012	7
74	MP-9	Z	.047	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.019	.75
2	MP-2	Z	.009	1
3	MP-2	Z	.008	5
4	MP-3	Z	.019	1.25
5	RMP-2	Z	.012	1.5
6	RMP-2	Z	.017	1.5
7	RMP-3	Z	.013	1.5
8	RMP-3	Z	.008	1.5
9	MP-4	Z	.027	.75
10	MP-5	Z	.009	1
11	MP-5	Z	.008	5
12	MP-6	Z	.025	1.25
13	RMP-4	Z	.012	1.5
14	RMP-4	Z	.017	1.5
15	RMP-5	Z	.013	1.5
16	RMP-5	Z	.008	1.5
17	MP-7	Z	.027	.75
18	MP-8	Z	.009	1
19	MP-8	Z	.008	5
20	MP-9	Z	.025	1.25
21	RMP-6	Z	.012	1.5
22	RMP-6	Z	.017	1.5
23	RMP-7	Z	.013	1.5
24	RMP-7	Z	.008	1.5
25	RMP-1	Z	.019	1
26	MP-1	Z	.019	6.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP-2	Z	.009	3
28	MP-2	Z	.008	7
29	MP-3	Z	.019	5.75
30	MP-4	Z	.027	6.25
31	MP-5	Z	.009	3
32	MP-5	Z	.008	7
33	MP-6	Z	.025	5.75
34	MP-7	Z	.027	6.25
35	MP-8	Z	.009	3
36	MP-8	Z	.008	7
37	MP-9	Z	.025	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.013	.75
2	MP-2	X	-.005	1
3	MP-2	X	-.005	5
4	MP-3	X	-.012	1.25
5	RMP-2	X	-.008	1.5
6	RMP-2	X	-.011	1.5
7	RMP-3	X	-.008	1.5
8	RMP-3	X	-.007	1.5
9	MP-4	X	-.03	.75
10	MP-5	X	-.007	1
11	MP-5	X	-.007	5
12	MP-6	X	-.027	1.25
13	RMP-4	X	-.006	1.5
14	RMP-4	X	-.008	1.5
15	RMP-5	X	-.007	1.5
16	RMP-5	X	-.004	1.5
17	MP-7	X	-.018	.75
18	MP-8	X	-.005	1
19	MP-8	X	-.005	5
20	MP-9	X	-.016	1.25
21	RMP-6	X	-.008	1.5
22	RMP-6	X	-.011	1.5
23	RMP-7	X	-.008	1.5
24	RMP-7	X	-.007	1.5
25	RMP-1	X	-.01	1
26	MP-1	X	-.013	6.25
27	MP-2	X	-.005	3
28	MP-2	X	-.005	7
29	MP-3	X	-.012	5.75
30	MP-4	X	-.03	6.25
31	MP-5	X	-.007	3
32	MP-5	X	-.007	7
33	MP-6	X	-.027	5.75
34	MP-7	X	-.018	6.25
35	MP-8	X	-.005	3
36	MP-8	X	-.005	7
37	MP-9	X	-.016	5.75

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP-1	Z	.022	.75
39	MP-2	Z	.009	1
40	MP-2	Z	.008	5
41	MP-3	Z	.021	1.25
42	RMP-2	Z	.014	1.5
43	RMP-2	Z	.019	1.5
44	RMP-3	Z	.014	1.5
45	RMP-3	Z	.012	1.5
46	MP-4	Z	.052	.75
47	MP-5	Z	.013	1
48	MP-5	Z	.012	5
49	MP-6	Z	.047	1.25
50	RMP-4	Z	.011	1.5
51	RMP-4	Z	.014	1.5
52	RMP-5	Z	.012	1.5
53	RMP-5	Z	.007	1.5
54	MP-7	Z	.031	.75
55	MP-8	Z	.009	1
56	MP-8	Z	.008	5
57	MP-9	Z	.028	1.25
58	RMP-6	Z	.014	1.5
59	RMP-6	Z	.019	1.5
60	RMP-7	Z	.014	1.5
61	RMP-7	Z	.012	1.5
62	RMP-1	Z	.017	1
63	MP-1	Z	.022	6.25
64	MP-2	Z	.009	3
65	MP-2	Z	.008	7
66	MP-3	Z	.021	5.75
67	MP-4	Z	.052	6.25
68	MP-5	Z	.013	3
69	MP-5	Z	.012	7
70	MP-6	Z	.047	5.75
71	MP-7	Z	.031	6.25
72	MP-8	Z	.009	3
73	MP-8	Z	.008	7
74	MP-9	Z	.028	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.022	.75
2	MP-2	X	-.008	1
3	MP-2	X	-.008	5
4	MP-3	X	-.021	1.25
5	RMP-2	X	-.011	1.5
6	RMP-2	X	-.014	1.5
7	RMP-3	X	-.011	1.5
8	RMP-3	X	-.008	1.5
9	MP-4	X	-.041	.75
10	MP-5	X	-.01	1
11	MP-5	X	-.01	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-6	X	-.037	1.25
13	RMP-4	X	-.009	1.5
14	RMP-4	X	-.012	1.5
15	RMP-5	X	-.01	1.5
16	RMP-5	X	-.006	1.5
17	MP-7	X	-.021	.75
18	MP-8	X	-.007	1
19	MP-8	X	-.006	5
20	MP-9	X	-.019	1.25
21	RMP-6	X	-.012	1.5
22	RMP-6	X	-.017	1.5
23	RMP-7	X	-.012	1.5
24	RMP-7	X	-.01	1.5
25	RMP-1	X	-.014	1
26	MP-1	X	-.022	6.25
27	MP-2	X	-.008	3
28	MP-2	X	-.008	7
29	MP-3	X	-.021	5.75
30	MP-4	X	-.041	6.25
31	MP-5	X	-.01	3
32	MP-5	X	-.01	7
33	MP-6	X	-.037	5.75
34	MP-7	X	-.021	6.25
35	MP-8	X	-.007	3
36	MP-8	X	-.006	7
37	MP-9	X	-.019	5.75
38	MP-1	Z	.022	.75
39	MP-2	Z	.008	1
40	MP-2	Z	.008	5
41	MP-3	Z	.021	1.25
42	RMP-2	Z	.011	1.5
43	RMP-2	Z	.014	1.5
44	RMP-3	Z	.011	1.5
45	RMP-3	Z	.008	1.5
46	MP-4	Z	.041	.75
47	MP-5	Z	.01	1
48	MP-5	Z	.01	5
49	MP-6	Z	.037	1.25
50	RMP-4	Z	.009	1.5
51	RMP-4	Z	.012	1.5
52	RMP-5	Z	.01	1.5
53	RMP-5	Z	.006	1.5
54	MP-7	Z	.021	.75
55	MP-8	Z	.007	1
56	MP-8	Z	.006	5
57	MP-9	Z	.019	1.25
58	RMP-6	Z	.012	1.5
59	RMP-6	Z	.017	1.5
60	RMP-7	Z	.012	1.5
61	RMP-7	Z	.01	1.5
62	RMP-1	Z	.014	1
63	MP-1	Z	.022	6.25

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
64	MP-2	Z	.008	3
65	MP-2	Z	.008	7
66	MP-3	Z	.021	5.75
67	MP-4	Z	.041	6.25
68	MP-5	Z	.01	3
69	MP-5	Z	.01	7
70	MP-6	Z	.037	5.75
71	MP-7	Z	.021	6.25
72	MP-8	Z	.007	3
73	MP-8	Z	.006	7
74	MP-9	Z	.019	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.032	.75
2	MP-2	X	-.012	1
3	MP-2	X	-.011	5
4	MP-3	X	-.031	1.25
5	RMP-2	X	-.012	1.5
6	RMP-2	X	-.016	1.5
7	RMP-3	X	-.012	1.5
8	RMP-3	X	-.009	1.5
9	MP-4	X	-.045	.75
10	MP-5	X	-.012	1
11	MP-5	X	-.011	5
12	MP-6	X	-.041	1.25
13	RMP-4	X	-.012	1.5
14	RMP-4	X	-.016	1.5
15	RMP-5	X	-.012	1.5
16	RMP-5	X	-.009	1.5
17	MP-7	X	-.023	.75
18	MP-8	X	-.008	1
19	MP-8	X	-.007	5
20	MP-9	X	-.022	1.25
21	RMP-6	X	-.015	1.5
22	RMP-6	X	-.021	1.5
23	RMP-7	X	-.015	1.5
24	RMP-7	X	-.013	1.5
25	RMP-1	X	-.017	1
26	MP-1	X	-.032	6.25
27	MP-2	X	-.012	3
28	MP-2	X	-.011	7
29	MP-3	X	-.031	5.75
30	MP-4	X	-.045	6.25
31	MP-5	X	-.012	3
32	MP-5	X	-.011	7
33	MP-6	X	-.041	5.75
34	MP-7	X	-.023	6.25
35	MP-8	X	-.008	3
36	MP-8	X	-.007	7
37	MP-9	X	-.022	5.75

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP-1	Z	.018	.75
39	MP-2	Z	.007	1
40	MP-2	Z	.006	5
41	MP-3	Z	.018	1.25
42	RMP-2	Z	.007	1.5
43	RMP-2	Z	.009	1.5
44	RMP-3	Z	.007	1.5
45	RMP-3	Z	.005	1.5
46	MP-4	Z	.026	.75
47	MP-5	Z	.007	1
48	MP-5	Z	.006	5
49	MP-6	Z	.024	1.25
50	RMP-4	Z	.007	1.5
51	RMP-4	Z	.009	1.5
52	RMP-5	Z	.007	1.5
53	RMP-5	Z	.005	1.5
54	MP-7	Z	.014	.75
55	MP-8	Z	.005	1
56	MP-8	Z	.004	5
57	MP-9	Z	.012	1.25
58	RMP-6	Z	.009	1.5
59	RMP-6	Z	.012	1.5
60	RMP-7	Z	.009	1.5
61	RMP-7	Z	.007	1.5
62	RMP-1	Z	.01	1
63	MP-1	Z	.018	6.25
64	MP-2	Z	.007	3
65	MP-2	Z	.006	7
66	MP-3	Z	.018	5.75
67	MP-4	Z	.026	6.25
68	MP-5	Z	.007	3
69	MP-5	Z	.006	7
70	MP-6	Z	.024	5.75
71	MP-7	Z	.014	6.25
72	MP-8	Z	.005	3
73	MP-8	Z	.004	7
74	MP-9	Z	.012	5.75

Member Point Loads (BLC 37 : Seismic Load X)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.032	.75
2	MP-2	X	-.033	1
3	MP-2	X	-.041	5
4	MP-3	X	-.045	1.25
5	RMP-2	X	-.059	1.5
6	RMP-2	X	-.055	1.5
7	RMP-3	X	-.071	1.5
8	RMP-3	X	-.048	1.5
9	MP-4	X	-.038	.75
10	MP-5	X	-.033	1
11	MP-5	X	-.041	5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP-6	X	-.053	1.25
13	RMP-4	X	-.059	1.5
14	RMP-4	X	-.055	1.5
15	RMP-5	X	-.071	1.5
16	RMP-5	X	-.048	1.5
17	MP-7	X	-.038	.75
18	MP-8	X	-.033	1
19	MP-8	X	-.041	5
20	MP-9	X	-.053	1.25
21	RMP-6	X	-.059	1.5
22	RMP-6	X	-.055	1.5
23	RMP-7	X	-.071	1.5
24	RMP-7	X	-.048	1.5
25	RMP-1	X	-.032	1
26	MP-1	X	-.032	6.25
27	MP-2	X	-.033	3
28	MP-2	X	-.041	7
29	MP-3	X	-.045	5.75
30	MP-4	X	-.038	6.25
31	MP-5	X	-.033	3
32	MP-5	X	-.041	7
33	MP-6	X	-.053	5.75
34	MP-7	X	-.038	6.25
35	MP-8	X	-.033	3
36	MP-8	X	-.041	7
37	MP-9	X	-.053	5.75

Member Point Loads (BLC 38 : Seismic Load Z)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.032	.75
2	MP-2	Z	-.033	1
3	MP-2	Z	-.041	5
4	MP-3	Z	-.045	1.25
5	RMP-2	Z	-.059	1.5
6	RMP-2	Z	-.055	1.5
7	RMP-3	Z	-.071	1.5
8	RMP-3	Z	-.048	1.5
9	MP-4	Z	-.038	.75
10	MP-5	Z	-.033	1
11	MP-5	Z	-.041	5
12	MP-6	Z	-.053	1.25
13	RMP-4	Z	-.059	1.5
14	RMP-4	Z	-.055	1.5
15	RMP-5	Z	-.071	1.5
16	RMP-5	Z	-.048	1.5
17	MP-7	Z	-.038	.75
18	MP-8	Z	-.033	1
19	MP-8	Z	-.041	5
20	MP-9	Z	-.053	1.25
21	RMP-6	Z	-.059	1.5
22	RMP-6	Z	-.055	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	RMP-7	Z	-.071	1.5
24	RMP-7	Z	-.048	1.5
25	RMP-1	Z	-.032	1
26	MP-1	Z	-.032	6.25
27	MP-2	Z	-.033	3
28	MP-2	Z	-.041	7
29	MP-3	Z	-.045	5.75
30	MP-4	Z	-.038	6.25
31	MP-5	Z	-.033	3
32	MP-5	Z	-.041	7
33	MP-6	Z	-.053	5.75
34	MP-7	Z	-.038	6.25
35	MP-8	Z	-.033	3
36	MP-8	Z	-.041	7
37	MP-9	Z	-.053	5.75

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.01	-.01	0	%100
2	FF-D2	X	-.01	-.01	0	%100
3	FF-D3	X	-.01	-.01	0	%100
4	FF-D4	X	-.01	-.01	0	%100
5	SF1-D1	X	-.01	-.01	0	%100
6	SF1-D2	X	-.01	-.01	0	%100
7	SF1-D3	X	-.01	-.01	0	%100
8	SF1-D4	X	-.01	-.01	0	%100
9	SF2-D1	X	-.01	-.01	0	%100
10	SF2-D2	X	-.01	-.01	0	%100
11	SF2-D3	X	-.01	-.01	0	%100
12	SF2-D4	X	-.01	-.01	0	%100
13	FF-BH	X	-.027	-.027	0	%100
14	SF1-BH	X	-.012	-.012	0	%100
15	SF2-BH	X	-.012	-.012	0	%100
16	FF-TH	X	-.016	-.016	0	%100
17	SF1-TH	X	-.008	-.008	0	%100
18	SF2-TH	X	-.008	-.008	0	%100
19	GSI1	X	-.01	-.01	0	%100
20	GSI2	X	-.01	-.01	0	%100
21	GSI3	X	-.022	-.022	0	%100
22	GSI4	X	-.009	-.009	0	%100
23	GSI5	X	-.009	-.009	0	%100
24	GSI6	X	-.021	-.021	0	%100
25	INT1	X	0	0	0	%100
26	INT2	X	0	0	0	%100
27	INT3	X	-.007	-.007	0	%100
28	INT4	X	-.007	-.007	0	%100
29	INT5	X	-.007	-.007	0	%100
30	INT6	X	-.007	-.007	0	%100
31	MP-1	X	-.008	-.008	0	%100
32	MP-2	X	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP-3	X	-.008	-.008	0	%100
34	MP-4	X	-.008	-.008	0	%100
35	MP-5	X	-.008	-.008	0	%100
36	MP-6	X	-.008	-.008	0	%100
37	MP-7	X	-.008	-.008	0	%100
38	MP-8	X	-.008	-.008	0	%100
39	MP-9	X	-.008	-.008	0	%100
40	M82	X	0	0	0	%100
41	M83	X	-.003	-.003	0	%100
42	M84	X	-.003	-.003	0	%100
43	SA1	X	-.024	-.024	0	%100
44	SA2	X	-.01	-.01	0	%100
45	SA3	X	-.01	-.01	0	%100
46	FF-H	X	-.009	-.009	0	%100
47	FF-V1	X	-.009	-.009	0	%100
48	FF-V2	X	-.009	-.009	0	%100
49	FF-V3	X	-.009	-.009	0	%100
50	FF-V4	X	-.009	-.009	0	%100
51	FF-V5	X	-.009	-.009	0	%100
52	FF-V6	X	-.009	-.009	0	%100
53	SF1-H	X	-.004	-.004	0	%100
54	SF1-V1	X	-.009	-.009	0	%100
55	SF1-V2	X	-.009	-.009	0	%100
56	SF1-V3	X	-.009	-.009	0	%100
57	SF1-V4	X	-.009	-.009	0	%100
58	SF1-V5	X	-.009	-.009	0	%100
59	SF1-V6	X	-.009	-.009	0	%100
60	SF2-H	X	-.004	-.004	0	%100
61	SF2-V1	X	-.009	-.009	0	%100
62	SF2-V2	X	-.009	-.009	0	%100
63	SF2-V3	X	-.009	-.009	0	%100
64	SF2-V4	X	-.009	-.009	0	%100
65	SF2-V5	X	-.009	-.009	0	%100
66	SF2-V6	X	-.009	-.009	0	%100
67	RMP-3	X	-.006	-.006	0	%100
68	RMP-1	X	-.007	-.007	0	%100
69	RMP-2	X	-.006	-.006	0	%100
70	RMP-7	X	-.006	-.006	0	%100
71	RMP-6	X	-.006	-.006	0	%100
72	RMP-5	X	-.006	-.006	0	%100
73	RMP-4	X	-.006	-.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.008	-.008	0	%100
2	FF-D2	X	-.008	-.008	0	%100
3	FF-D3	X	-.008	-.008	0	%100
4	FF-D4	X	-.008	-.008	0	%100
5	SF1-D1	X	-.008	-.008	0	%100
6	SF1-D2	X	-.008	-.008	0	%100
7	SF1-D3	X	-.008	-.008	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	SF1-D4	X	-.008	-.008	0	%100
9	SF2-D1	X	-.008	-.008	0	%100
10	SF2-D2	X	-.008	-.008	0	%100
11	SF2-D3	X	-.008	-.008	0	%100
12	SF2-D4	X	-.008	-.008	0	%100
13	FF-BH	X	-.021	-.021	0	%100
14	SF1-BH	X	0	0	0	%100
15	SF2-BH	X	-.019	-.019	0	%100
16	FF-TH	X	-.012	-.012	0	%100
17	SF1-TH	X	0	0	0	%100
18	SF2-TH	X	-.012	-.012	0	%100
19	GSI1	X	0	0	0	%100
20	GSI2	X	-.014	-.014	0	%100
21	GSI3	X	-.017	-.017	0	%100
22	GSI4	X	0	0	0	%100
23	GSI5	X	-.014	-.014	0	%100
24	GSI6	X	-.016	-.016	0	%100
25	INT1	X	-.002	-.002	0	%100
26	INT2	X	-.002	-.002	0	%100
27	INT3	X	-.007	-.007	0	%100
28	INT4	X	-.007	-.007	0	%100
29	INT5	X	-.003	-.003	0	%100
30	INT6	X	-.003	-.003	0	%100
31	MP-1	X	-.007	-.007	0	%100
32	MP-2	X	-.007	-.007	0	%100
33	MP-3	X	-.007	-.007	0	%100
34	MP-4	X	-.007	-.007	0	%100
35	MP-5	X	-.007	-.007	0	%100
36	MP-6	X	-.007	-.007	0	%100
37	MP-7	X	-.007	-.007	0	%100
38	MP-8	X	-.007	-.007	0	%100
39	MP-9	X	-.007	-.007	0	%100
40	M82	X	-.001	-.001	0	%100
41	M83	X	-.002	-.002	0	%100
42	M84	X	-.003	-.003	0	%100
43	SA1	X	-.018	-.018	0	%100
44	SA2	X	0	0	0	%100
45	SA3	X	-.015	-.015	0	%100
46	FF-H	X	-.007	-.007	0	%100
47	FF-V1	X	-.008	-.008	0	%100
48	FF-V2	X	-.008	-.008	0	%100
49	FF-V3	X	-.008	-.008	0	%100
50	FF-V4	X	-.008	-.008	0	%100
51	FF-V5	X	-.008	-.008	0	%100
52	FF-V6	X	-.008	-.008	0	%100
53	SF1-H	X	0	0	0	%100
54	SF1-V1	X	-.008	-.008	0	%100
55	SF1-V2	X	-.008	-.008	0	%100
56	SF1-V3	X	-.008	-.008	0	%100
57	SF1-V4	X	-.008	-.008	0	%100
58	SF1-V5	X	-.008	-.008	0	%100
59	SF1-V6	X	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
60	SF2-H	X	-.005	-.005	0	%100
61	SF2-V1	X	-.008	-.008	0	%100
62	SF2-V2	X	-.008	-.008	0	%100
63	SF2-V3	X	-.008	-.008	0	%100
64	SF2-V4	X	-.008	-.008	0	%100
65	SF2-V5	X	-.008	-.008	0	%100
66	SF2-V6	X	-.008	-.008	0	%100
67	RMP-3	X	-.006	-.006	0	%100
68	RMP-1	X	-.006	-.006	0	%100
69	RMP-2	X	-.006	-.006	0	%100
70	RMP-7	X	-.006	-.006	0	%100
71	RMP-6	X	-.006	-.006	0	%100
72	RMP-5	X	-.006	-.006	0	%100
73	RMP-4	X	-.006	-.006	0	%100
74	FF-D1	Z	-.005	-.005	0	%100
75	FF-D2	Z	-.005	-.005	0	%100
76	FF-D3	Z	-.005	-.005	0	%100
77	FF-D4	Z	-.005	-.005	0	%100
78	SF1-D1	Z	-.005	-.005	0	%100
79	SF1-D2	Z	-.005	-.005	0	%100
80	SF1-D3	Z	-.005	-.005	0	%100
81	SF1-D4	Z	-.005	-.005	0	%100
82	SF2-D1	Z	-.005	-.005	0	%100
83	SF2-D2	Z	-.005	-.005	0	%100
84	SF2-D3	Z	-.005	-.005	0	%100
85	SF2-D4	Z	-.005	-.005	0	%100
86	FF-BH	Z	-.012	-.012	0	%100
87	SF1-BH	Z	0	0	0	%100
88	SF2-BH	Z	-.012	-.012	0	%100
89	FF-TH	Z	-.007	-.007	0	%100
90	SF1-TH	Z	0	0	0	%100
91	SF2-TH	Z	-.007	-.007	0	%100
92	GSI1	Z	0	0	0	%100
93	GSI2	Z	-.009	-.009	0	%100
94	GSI3	Z	-.01	-.01	0	%100
95	GSI4	Z	0	0	0	%100
96	GSI5	Z	-.009	-.009	0	%100
97	GSI6	Z	-.009	-.009	0	%100
98	INT1	Z	-.002	-.002	0	%100
99	INT2	Z	-.002	-.002	0	%100
100	INT3	Z	-.003	-.003	0	%100
101	INT4	Z	-.003	-.003	0	%100
102	INT5	Z	-.002	-.002	0	%100
103	INT6	Z	-.002	-.002	0	%100
104	MP-1	Z	-.004	-.004	0	%100
105	MP-2	Z	-.004	-.004	0	%100
106	MP-3	Z	-.004	-.004	0	%100
107	MP-4	Z	-.004	-.004	0	%100
108	MP-5	Z	-.004	-.004	0	%100
109	MP-6	Z	-.004	-.004	0	%100
110	MP-7	Z	-.004	-.004	0	%100
111	MP-8	Z	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
112	MP-9	Z	-.004	-.004	0	%100
113	M82	Z	-.001	-.001	0	%100
114	M83	Z	-.000886	-.000886	0	%100
115	M84	Z	-.002	-.002	0	%100
116	SA1	Z	-.01	-.01	0	%100
117	SA2	Z	0	0	0	%100
118	SA3	Z	-.01	-.01	0	%100
119	FF-H	Z	-.004	-.004	0	%100
120	FF-V1	Z	-.004	-.004	0	%100
121	FF-V2	Z	-.004	-.004	0	%100
122	FF-V3	Z	-.004	-.004	0	%100
123	FF-V4	Z	-.004	-.004	0	%100
124	FF-V5	Z	-.004	-.004	0	%100
125	FF-V6	Z	-.004	-.004	0	%100
126	SF1-H	Z	0	0	0	%100
127	SF1-V1	Z	-.004	-.004	0	%100
128	SF1-V2	Z	-.004	-.004	0	%100
129	SF1-V3	Z	-.004	-.004	0	%100
130	SF1-V4	Z	-.004	-.004	0	%100
131	SF1-V5	Z	-.004	-.004	0	%100
132	SF1-V6	Z	-.004	-.004	0	%100
133	SF2-H	Z	-.004	-.004	0	%100
134	SF2-V1	Z	-.004	-.004	0	%100
135	SF2-V2	Z	-.004	-.004	0	%100
136	SF2-V3	Z	-.004	-.004	0	%100
137	SF2-V4	Z	-.004	-.004	0	%100
138	SF2-V5	Z	-.004	-.004	0	%100
139	SF2-V6	Z	-.004	-.004	0	%100
140	RMP-3	Z	-.003	-.003	0	%100
141	RMP-1	Z	-.003	-.003	0	%100
142	RMP-2	Z	-.003	-.003	0	%100
143	RMP-7	Z	-.003	-.003	0	%100
144	RMP-6	Z	-.003	-.003	0	%100
145	RMP-5	Z	-.003	-.003	0	%100
146	RMP-4	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.007	-.007	0	%100
2	FF-D2	X	-.007	-.007	0	%100
3	FF-D3	X	-.007	-.007	0	%100
4	FF-D4	X	-.007	-.007	0	%100
5	SF1-D1	X	-.007	-.007	0	%100
6	SF1-D2	X	-.007	-.007	0	%100
7	SF1-D3	X	-.007	-.007	0	%100
8	SF1-D4	X	-.007	-.007	0	%100
9	SF2-D1	X	-.007	-.007	0	%100
10	SF2-D2	X	-.007	-.007	0	%100
11	SF2-D3	X	-.007	-.007	0	%100
12	SF2-D4	X	-.007	-.007	0	%100
13	FF-BH	X	-.014	-.014	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	SF1-BH	X	-.005	-.005	0	%100
15	SF2-BH	X	-.017	-.017	0	%100
16	FF-TH	X	-.008	-.008	0	%100
17	SF1-TH	X	-.003	-.003	0	%100
18	SF2-TH	X	-.011	-.011	0	%100
19	GSI1	X	-.004	-.004	0	%100
20	GSI2	X	-.013	-.013	0	%100
21	GSI3	X	-.011	-.011	0	%100
22	GSI4	X	-.003	-.003	0	%100
23	GSI5	X	-.013	-.013	0	%100
24	GSI6	X	-.011	-.011	0	%100
25	INT1	X	-.003	-.003	0	%100
26	INT2	X	-.003	-.003	0	%100
27	INT3	X	-.005	-.005	0	%100
28	INT4	X	-.005	-.005	0	%100
29	INT5	X	-.001	-.001	0	%100
30	INT6	X	-.001	-.001	0	%100
31	MP-1	X	-.006	-.006	0	%100
32	MP-2	X	-.006	-.006	0	%100
33	MP-3	X	-.006	-.006	0	%100
34	MP-4	X	-.006	-.006	0	%100
35	MP-5	X	-.006	-.006	0	%100
36	MP-6	X	-.006	-.006	0	%100
37	MP-7	X	-.006	-.006	0	%100
38	MP-8	X	-.006	-.006	0	%100
39	MP-9	X	-.006	-.006	0	%100
40	M82	X	-.002	-.002	0	%100
41	M83	X	-.000718	-.000718	0	%100
42	M84	X	-.003	-.003	0	%100
43	SA1	X	-.012	-.012	0	%100
44	SA2	X	-.004	-.004	0	%100
45	SA3	X	-.014	-.014	0	%100
46	FF-H	X	-.004	-.004	0	%100
47	FF-V1	X	-.006	-.006	0	%100
48	FF-V2	X	-.006	-.006	0	%100
49	FF-V3	X	-.006	-.006	0	%100
50	FF-V4	X	-.006	-.006	0	%100
51	FF-V5	X	-.006	-.006	0	%100
52	FF-V6	X	-.006	-.006	0	%100
53	SF1-H	X	-.001	-.001	0	%100
54	SF1-V1	X	-.006	-.006	0	%100
55	SF1-V2	X	-.006	-.006	0	%100
56	SF1-V3	X	-.006	-.006	0	%100
57	SF1-V4	X	-.006	-.006	0	%100
58	SF1-V5	X	-.006	-.006	0	%100
59	SF1-V6	X	-.006	-.006	0	%100
60	SF2-H	X	-.005	-.005	0	%100
61	SF2-V1	X	-.006	-.006	0	%100
62	SF2-V2	X	-.006	-.006	0	%100
63	SF2-V3	X	-.006	-.006	0	%100
64	SF2-V4	X	-.006	-.006	0	%100
65	SF2-V5	X	-.006	-.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	SF2-V6	X	-.006	-.006	0	%100
67	RMP-3	X	-.005	-.005	0	%100
68	RMP-1	X	-.005	-.005	0	%100
69	RMP-2	X	-.005	-.005	0	%100
70	RMP-7	X	-.005	-.005	0	%100
71	RMP-6	X	-.005	-.005	0	%100
72	RMP-5	X	-.005	-.005	0	%100
73	RMP-4	X	-.005	-.005	0	%100
74	FF-D1	Z	-.007	-.007	0	%100
75	FF-D2	Z	-.007	-.007	0	%100
76	FF-D3	Z	-.007	-.007	0	%100
77	FF-D4	Z	-.007	-.007	0	%100
78	SF1-D1	Z	-.007	-.007	0	%100
79	SF1-D2	Z	-.007	-.007	0	%100
80	SF1-D3	Z	-.007	-.007	0	%100
81	SF1-D4	Z	-.007	-.007	0	%100
82	SF2-D1	Z	-.007	-.007	0	%100
83	SF2-D2	Z	-.007	-.007	0	%100
84	SF2-D3	Z	-.007	-.007	0	%100
85	SF2-D4	Z	-.007	-.007	0	%100
86	FF-BH	Z	-.014	-.014	0	%100
87	SF1-BH	Z	-.005	-.005	0	%100
88	SF2-BH	Z	-.019	-.019	0	%100
89	FF-TH	Z	-.008	-.008	0	%100
90	SF1-TH	Z	-.003	-.003	0	%100
91	SF2-TH	Z	-.011	-.011	0	%100
92	GSI1	Z	-.004	-.004	0	%100
93	GSI2	Z	-.015	-.015	0	%100
94	GSI3	Z	-.011	-.011	0	%100
95	GSI4	Z	-.004	-.004	0	%100
96	GSI5	Z	-.014	-.014	0	%100
97	GSI6	Z	-.011	-.011	0	%100
98	INT1	Z	-.004	-.004	0	%100
99	INT2	Z	-.004	-.004	0	%100
100	INT3	Z	-.005	-.005	0	%100
101	INT4	Z	-.005	-.005	0	%100
102	INT5	Z	-.001	-.001	0	%100
103	INT6	Z	-.001	-.001	0	%100
104	MP-1	Z	-.006	-.006	0	%100
105	MP-2	Z	-.006	-.006	0	%100
106	MP-3	Z	-.006	-.006	0	%100
107	MP-4	Z	-.006	-.006	0	%100
108	MP-5	Z	-.006	-.006	0	%100
109	MP-6	Z	-.006	-.006	0	%100
110	MP-7	Z	-.006	-.006	0	%100
111	MP-8	Z	-.006	-.006	0	%100
112	MP-9	Z	-.006	-.006	0	%100
113	M82	Z	-.002	-.002	0	%100
114	M83	Z	-.000648	-.000648	0	%100
115	M84	Z	-.002	-.002	0	%100
116	SA1	Z	-.012	-.012	0	%100
117	SA2	Z	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
118	SA3	Z	-.015	-.015	0	%100
119	FF-H	Z	-.004	-.004	0	%100
120	FF-V1	Z	-.006	-.006	0	%100
121	FF-V2	Z	-.006	-.006	0	%100
122	FF-V3	Z	-.006	-.006	0	%100
123	FF-V4	Z	-.006	-.006	0	%100
124	FF-V5	Z	-.006	-.006	0	%100
125	FF-V6	Z	-.006	-.006	0	%100
126	SF1-H	Z	-.002	-.002	0	%100
127	SF1-V1	Z	-.006	-.006	0	%100
128	SF1-V2	Z	-.006	-.006	0	%100
129	SF1-V3	Z	-.006	-.006	0	%100
130	SF1-V4	Z	-.006	-.006	0	%100
131	SF1-V5	Z	-.006	-.006	0	%100
132	SF1-V6	Z	-.006	-.006	0	%100
133	SF2-H	Z	-.006	-.006	0	%100
134	SF2-V1	Z	-.006	-.006	0	%100
135	SF2-V2	Z	-.006	-.006	0	%100
136	SF2-V3	Z	-.006	-.006	0	%100
137	SF2-V4	Z	-.006	-.006	0	%100
138	SF2-V5	Z	-.006	-.006	0	%100
139	SF2-V6	Z	-.006	-.006	0	%100
140	RMP-3	Z	-.005	-.005	0	%100
141	RMP-1	Z	-.005	-.005	0	%100
142	RMP-2	Z	-.005	-.005	0	%100
143	RMP-7	Z	-.005	-.005	0	%100
144	RMP-6	Z	-.005	-.005	0	%100
145	RMP-5	Z	-.005	-.005	0	%100
146	RMP-4	Z	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.005	-.005	0	%100
2	FF-D2	X	-.005	-.005	0	%100
3	FF-D3	X	-.005	-.005	0	%100
4	FF-D4	X	-.005	-.005	0	%100
5	SF1-D1	X	-.005	-.005	0	%100
6	SF1-D2	X	-.005	-.005	0	%100
7	SF1-D3	X	-.005	-.005	0	%100
8	SF1-D4	X	-.005	-.005	0	%100
9	SF2-D1	X	-.005	-.005	0	%100
10	SF2-D2	X	-.005	-.005	0	%100
11	SF2-D3	X	-.005	-.005	0	%100
12	SF2-D4	X	-.005	-.005	0	%100
13	FF-BH	X	-.007	-.007	0	%100
14	SF1-BH	X	-.006	-.006	0	%100
15	SF2-BH	X	-.012	-.012	0	%100
16	FF-TH	X	-.004	-.004	0	%100
17	SF1-TH	X	-.004	-.004	0	%100
18	SF2-TH	X	-.008	-.008	0	%100
19	GSI1	X	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	GSI2	X	-.01	-.01	0	%100
21	GSI3	X	-.006	-.006	0	%100
22	GSI4	X	-.005	-.005	0	%100
23	GSI5	X	-.009	-.009	0	%100
24	GSI6	X	-.005	-.005	0	%100
25	INT1	X	-.002	-.002	0	%100
26	INT2	X	-.002	-.002	0	%100
27	INT3	X	-.003	-.003	0	%100
28	INT4	X	-.003	-.003	0	%100
29	INT5	X	0	0	0	%100
30	INT6	X	0	0	0	%100
31	MP-1	X	-.004	-.004	0	%100
32	MP-2	X	-.004	-.004	0	%100
33	MP-3	X	-.004	-.004	0	%100
34	MP-4	X	-.004	-.004	0	%100
35	MP-5	X	-.004	-.004	0	%100
36	MP-6	X	-.004	-.004	0	%100
37	MP-7	X	-.004	-.004	0	%100
38	MP-8	X	-.004	-.004	0	%100
39	MP-9	X	-.004	-.004	0	%100
40	M82	X	-.001	-.001	0	%100
41	M83	X	0	0	0	%100
42	M84	X	-.002	-.002	0	%100
43	SA1	X	-.006	-.006	0	%100
44	SA2	X	-.005	-.005	0	%100
45	SA3	X	-.01	-.01	0	%100
46	FF-H	X	-.002	-.002	0	%100
47	FF-V1	X	-.004	-.004	0	%100
48	FF-V2	X	-.004	-.004	0	%100
49	FF-V3	X	-.004	-.004	0	%100
50	FF-V4	X	-.004	-.004	0	%100
51	FF-V5	X	-.004	-.004	0	%100
52	FF-V6	X	-.004	-.004	0	%100
53	SF1-H	X	-.002	-.002	0	%100
54	SF1-V1	X	-.004	-.004	0	%100
55	SF1-V2	X	-.004	-.004	0	%100
56	SF1-V3	X	-.004	-.004	0	%100
57	SF1-V4	X	-.004	-.004	0	%100
58	SF1-V5	X	-.004	-.004	0	%100
59	SF1-V6	X	-.004	-.004	0	%100
60	SF2-H	X	-.004	-.004	0	%100
61	SF2-V1	X	-.004	-.004	0	%100
62	SF2-V2	X	-.004	-.004	0	%100
63	SF2-V3	X	-.004	-.004	0	%100
64	SF2-V4	X	-.004	-.004	0	%100
65	SF2-V5	X	-.004	-.004	0	%100
66	SF2-V6	X	-.004	-.004	0	%100
67	RMP-3	X	-.003	-.003	0	%100
68	RMP-1	X	-.003	-.003	0	%100
69	RMP-2	X	-.003	-.003	0	%100
70	RMP-7	X	-.003	-.003	0	%100
71	RMP-6	X	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 5 : 60 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	RMP-5	X	-.003	-.003	0	%100
73	RMP-4	X	-.003	-.003	0	%100
74	FF-D1	Z	-.008	-.008	0	%100
75	FF-D2	Z	-.008	-.008	0	%100
76	FF-D3	Z	-.008	-.008	0	%100
77	FF-D4	Z	-.008	-.008	0	%100
78	SF1-D1	Z	-.008	-.008	0	%100
79	SF1-D2	Z	-.008	-.008	0	%100
80	SF1-D3	Z	-.008	-.008	0	%100
81	SF1-D4	Z	-.008	-.008	0	%100
82	SF2-D1	Z	-.008	-.008	0	%100
83	SF2-D2	Z	-.008	-.008	0	%100
84	SF2-D3	Z	-.008	-.008	0	%100
85	SF2-D4	Z	-.008	-.008	0	%100
86	FF-BH	Z	-.012	-.012	0	%100
87	SF1-BH	Z	-.012	-.012	0	%100
88	SF2-BH	Z	-.024	-.024	0	%100
89	FF-TH	Z	-.007	-.007	0	%100
90	SF1-TH	Z	-.007	-.007	0	%100
91	SF2-TH	Z	-.014	-.014	0	%100
92	GSI1	Z	-.009	-.009	0	%100
93	GSI2	Z	-.019	-.019	0	%100
94	GSI3	Z	-.01	-.01	0	%100
95	GSI4	Z	-.009	-.009	0	%100
96	GSI5	Z	-.018	-.018	0	%100
97	GSI6	Z	-.009	-.009	0	%100
98	INT1	Z	-.006	-.006	0	%100
99	INT2	Z	-.006	-.006	0	%100
100	INT3	Z	-.005	-.005	0	%100
101	INT4	Z	-.005	-.005	0	%100
102	INT5	Z	0	0	0	%100
103	INT6	Z	0	0	0	%100
104	MP-1	Z	-.007	-.007	0	%100
105	MP-2	Z	-.007	-.007	0	%100
106	MP-3	Z	-.007	-.007	0	%100
107	MP-4	Z	-.007	-.007	0	%100
108	MP-5	Z	-.007	-.007	0	%100
109	MP-6	Z	-.007	-.007	0	%100
110	MP-7	Z	-.007	-.007	0	%100
111	MP-8	Z	-.007	-.007	0	%100
112	MP-9	Z	-.007	-.007	0	%100
113	M82	Z	-.003	-.003	0	%100
114	M83	Z	0	0	0	%100
115	M84	Z	-.003	-.003	0	%100
116	SA1	Z	-.01	-.01	0	%100
117	SA2	Z	-.01	-.01	0	%100
118	SA3	Z	-.02	-.02	0	%100
119	FF-H	Z	-.004	-.004	0	%100
120	FF-V1	Z	-.008	-.008	0	%100
121	FF-V2	Z	-.008	-.008	0	%100
122	FF-V3	Z	-.008	-.008	0	%100
123	FF-V4	Z	-.008	-.008	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
124	FF-V5	Z	-.008	-.008	0	%100
125	FF-V6	Z	-.008	-.008	0	%100
126	SF1-H	Z	-.004	-.004	0	%100
127	SF1-V1	Z	-.008	-.008	0	%100
128	SF1-V2	Z	-.008	-.008	0	%100
129	SF1-V3	Z	-.008	-.008	0	%100
130	SF1-V4	Z	-.008	-.008	0	%100
131	SF1-V5	Z	-.008	-.008	0	%100
132	SF1-V6	Z	-.008	-.008	0	%100
133	SF2-H	Z	-.007	-.007	0	%100
134	SF2-V1	Z	-.008	-.008	0	%100
135	SF2-V2	Z	-.008	-.008	0	%100
136	SF2-V3	Z	-.008	-.008	0	%100
137	SF2-V4	Z	-.008	-.008	0	%100
138	SF2-V5	Z	-.008	-.008	0	%100
139	SF2-V6	Z	-.008	-.008	0	%100
140	RMP-3	Z	-.006	-.006	0	%100
141	RMP-1	Z	-.006	-.006	0	%100
142	RMP-2	Z	-.006	-.006	0	%100
143	RMP-7	Z	-.006	-.006	0	%100
144	RMP-6	Z	-.006	-.006	0	%100
145	RMP-5	Z	-.006	-.006	0	%100
146	RMP-4	Z	-.006	-.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	Z	-.01	-.01	0	%100
2	FF-D2	Z	-.01	-.01	0	%100
3	FF-D3	Z	-.01	-.01	0	%100
4	FF-D4	Z	-.01	-.01	0	%100
5	SF1-D1	Z	-.01	-.01	0	%100
6	SF1-D2	Z	-.01	-.01	0	%100
7	SF1-D3	Z	-.01	-.01	0	%100
8	SF1-D4	Z	-.01	-.01	0	%100
9	SF2-D1	Z	-.01	-.01	0	%100
10	SF2-D2	Z	-.01	-.01	0	%100
11	SF2-D3	Z	-.01	-.01	0	%100
12	SF2-D4	Z	-.01	-.01	0	%100
13	FF-BH	Z	0	0	0	%100
14	SF1-BH	Z	-.024	-.024	0	%100
15	SF2-BH	Z	-.024	-.024	0	%100
16	FF-TH	Z	0	0	0	%100
17	SF1-TH	Z	-.014	-.014	0	%100
18	SF2-TH	Z	-.014	-.014	0	%100
19	GSI1	Z	-.019	-.019	0	%100
20	GSI2	Z	-.019	-.019	0	%100
21	GSI3	Z	0	0	0	%100
22	GSI4	Z	-.018	-.018	0	%100
23	GSI5	Z	-.018	-.018	0	%100
24	GSI6	Z	0	0	0	%100
25	INT1	Z	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 6 : 90 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	INT2	Z	-.008	-.008	0	%100
27	INT3	Z	-.003	-.003	0	%100
28	INT4	Z	-.003	-.003	0	%100
29	INT5	Z	-.003	-.003	0	%100
30	INT6	Z	-.003	-.003	0	%100
31	MP-1	Z	-.008	-.008	0	%100
32	MP-2	Z	-.008	-.008	0	%100
33	MP-3	Z	-.008	-.008	0	%100
34	MP-4	Z	-.008	-.008	0	%100
35	MP-5	Z	-.008	-.008	0	%100
36	MP-6	Z	-.008	-.008	0	%100
37	MP-7	Z	-.008	-.008	0	%100
38	MP-8	Z	-.008	-.008	0	%100
39	MP-9	Z	-.008	-.008	0	%100
40	M82	Z	-.004	-.004	0	%100
41	M83	Z	-.002	-.002	0	%100
42	M84	Z	-.002	-.002	0	%100
43	SA1	Z	0	0	0	%100
44	SA2	Z	-.02	-.02	0	%100
45	SA3	Z	-.02	-.02	0	%100
46	FF-H	Z	0	0	0	%100
47	FF-V1	Z	-.009	-.009	0	%100
48	FF-V2	Z	-.009	-.009	0	%100
49	FF-V3	Z	-.009	-.009	0	%100
50	FF-V4	Z	-.009	-.009	0	%100
51	FF-V5	Z	-.009	-.009	0	%100
52	FF-V6	Z	-.009	-.009	0	%100
53	SF1-H	Z	-.007	-.007	0	%100
54	SF1-V1	Z	-.009	-.009	0	%100
55	SF1-V2	Z	-.009	-.009	0	%100
56	SF1-V3	Z	-.009	-.009	0	%100
57	SF1-V4	Z	-.009	-.009	0	%100
58	SF1-V5	Z	-.009	-.009	0	%100
59	SF1-V6	Z	-.009	-.009	0	%100
60	SF2-H	Z	-.007	-.007	0	%100
61	SF2-V1	Z	-.009	-.009	0	%100
62	SF2-V2	Z	-.009	-.009	0	%100
63	SF2-V3	Z	-.009	-.009	0	%100
64	SF2-V4	Z	-.009	-.009	0	%100
65	SF2-V5	Z	-.009	-.009	0	%100
66	SF2-V6	Z	-.009	-.009	0	%100
67	RMP-3	Z	-.006	-.006	0	%100
68	RMP-1	Z	-.007	-.007	0	%100
69	RMP-2	Z	-.006	-.006	0	%100
70	RMP-7	Z	-.006	-.006	0	%100
71	RMP-6	Z	-.006	-.006	0	%100
72	RMP-5	Z	-.006	-.006	0	%100
73	RMP-4	Z	-.006	-.006	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.005	.005	0	%100
2	FF-D2	X	.005	.005	0	%100
3	FF-D3	X	.005	.005	0	%100
4	FF-D4	X	.005	.005	0	%100
5	SF1-D1	X	.005	.005	0	%100
6	SF1-D2	X	.005	.005	0	%100
7	SF1-D3	X	.005	.005	0	%100
8	SF1-D4	X	.005	.005	0	%100
9	SF2-D1	X	.005	.005	0	%100
10	SF2-D2	X	.005	.005	0	%100
11	SF2-D3	X	.005	.005	0	%100
12	SF2-D4	X	.005	.005	0	%100
13	FF-BH	X	.007	.007	0	%100
14	SF1-BH	X	.012	.012	0	%100
15	SF2-BH	X	.006	.006	0	%100
16	FF-TH	X	.004	.004	0	%100
17	SF1-TH	X	.008	.008	0	%100
18	SF2-TH	X	.004	.004	0	%100
19	GSI1	X	.01	.01	0	%100
20	GSI2	X	.005	.005	0	%100
21	GSI3	X	.006	.006	0	%100
22	GSI4	X	.009	.009	0	%100
23	GSI5	X	.005	.005	0	%100
24	GSI6	X	.005	.005	0	%100
25	INT1	X	.002	.002	0	%100
26	INT2	X	.002	.002	0	%100
27	INT3	X	0	0	0	%100
28	INT4	X	0	0	0	%100
29	INT5	X	.003	.003	0	%100
30	INT6	X	.003	.003	0	%100
31	MP-1	X	.004	.004	0	%100
32	MP-2	X	.004	.004	0	%100
33	MP-3	X	.004	.004	0	%100
34	MP-4	X	.004	.004	0	%100
35	MP-5	X	.004	.004	0	%100
36	MP-6	X	.004	.004	0	%100
37	MP-7	X	.004	.004	0	%100
38	MP-8	X	.004	.004	0	%100
39	MP-9	X	.004	.004	0	%100
40	M82	X	.001	.001	0	%100
41	M83	X	.002	.002	0	%100
42	M84	X	0	0	0	%100
43	SA1	X	.006	.006	0	%100
44	SA2	X	.01	.01	0	%100
45	SA3	X	.005	.005	0	%100
46	FF-H	X	.002	.002	0	%100
47	FF-V1	X	.004	.004	0	%100
48	FF-V2	X	.004	.004	0	%100
49	FF-V3	X	.004	.004	0	%100
50	FF-V4	X	.004	.004	0	%100
51	FF-V5	X	.004	.004	0	%100
52	FF-V6	X	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 7 : 120 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	SF1-H	X	.004	.004	0	%100
54	SF1-V1	X	.004	.004	0	%100
55	SF1-V2	X	.004	.004	0	%100
56	SF1-V3	X	.004	.004	0	%100
57	SF1-V4	X	.004	.004	0	%100
58	SF1-V5	X	.004	.004	0	%100
59	SF1-V6	X	.004	.004	0	%100
60	SF2-H	X	.002	.002	0	%100
61	SF2-V1	X	.004	.004	0	%100
62	SF2-V2	X	.004	.004	0	%100
63	SF2-V3	X	.004	.004	0	%100
64	SF2-V4	X	.004	.004	0	%100
65	SF2-V5	X	.004	.004	0	%100
66	SF2-V6	X	.004	.004	0	%100
67	RMP-3	X	.003	.003	0	%100
68	RMP-1	X	.003	.003	0	%100
69	RMP-2	X	.003	.003	0	%100
70	RMP-7	X	.003	.003	0	%100
71	RMP-6	X	.003	.003	0	%100
72	RMP-5	X	.003	.003	0	%100
73	RMP-4	X	.003	.003	0	%100
74	FF-D1	Z	-.008	-.008	0	%100
75	FF-D2	Z	-.008	-.008	0	%100
76	FF-D3	Z	-.008	-.008	0	%100
77	FF-D4	Z	-.008	-.008	0	%100
78	SF1-D1	Z	-.008	-.008	0	%100
79	SF1-D2	Z	-.008	-.008	0	%100
80	SF1-D3	Z	-.008	-.008	0	%100
81	SF1-D4	Z	-.008	-.008	0	%100
82	SF2-D1	Z	-.008	-.008	0	%100
83	SF2-D2	Z	-.008	-.008	0	%100
84	SF2-D3	Z	-.008	-.008	0	%100
85	SF2-D4	Z	-.008	-.008	0	%100
86	FF-BH	Z	-.012	-.012	0	%100
87	SF1-BH	Z	-.024	-.024	0	%100
88	SF2-BH	Z	-.012	-.012	0	%100
89	FF-TH	Z	-.007	-.007	0	%100
90	SF1-TH	Z	-.014	-.014	0	%100
91	SF2-TH	Z	-.007	-.007	0	%100
92	GSI1	Z	-.019	-.019	0	%100
93	GSI2	Z	-.009	-.009	0	%100
94	GSI3	Z	-.01	-.01	0	%100
95	GSI4	Z	-.018	-.018	0	%100
96	GSI5	Z	-.009	-.009	0	%100
97	GSI6	Z	-.009	-.009	0	%100
98	INT1	Z	-.006	-.006	0	%100
99	INT2	Z	-.006	-.006	0	%100
100	INT3	Z	0	0	0	%100
101	INT4	Z	0	0	0	%100
102	INT5	Z	-.005	-.005	0	%100
103	INT6	Z	-.005	-.005	0	%100
104	MP-1	Z	-.007	-.007	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP-2	Z	-.007	-.007	0	%100
106	MP-3	Z	-.007	-.007	0	%100
107	MP-4	Z	-.007	-.007	0	%100
108	MP-5	Z	-.007	-.007	0	%100
109	MP-6	Z	-.007	-.007	0	%100
110	MP-7	Z	-.007	-.007	0	%100
111	MP-8	Z	-.007	-.007	0	%100
112	MP-9	Z	-.007	-.007	0	%100
113	M82	Z	-.003	-.003	0	%100
114	M83	Z	-.003	-.003	0	%100
115	M84	Z	0	0	0	%100
116	SA1	Z	-.01	-.01	0	%100
117	SA2	Z	-.02	-.02	0	%100
118	SA3	Z	-.01	-.01	0	%100
119	FF-H	Z	-.004	-.004	0	%100
120	FF-V1	Z	-.008	-.008	0	%100
121	FF-V2	Z	-.008	-.008	0	%100
122	FF-V3	Z	-.008	-.008	0	%100
123	FF-V4	Z	-.008	-.008	0	%100
124	FF-V5	Z	-.008	-.008	0	%100
125	FF-V6	Z	-.008	-.008	0	%100
126	SF1-H	Z	-.007	-.007	0	%100
127	SF1-V1	Z	-.008	-.008	0	%100
128	SF1-V2	Z	-.008	-.008	0	%100
129	SF1-V3	Z	-.008	-.008	0	%100
130	SF1-V4	Z	-.008	-.008	0	%100
131	SF1-V5	Z	-.008	-.008	0	%100
132	SF1-V6	Z	-.008	-.008	0	%100
133	SF2-H	Z	-.004	-.004	0	%100
134	SF2-V1	Z	-.008	-.008	0	%100
135	SF2-V2	Z	-.008	-.008	0	%100
136	SF2-V3	Z	-.008	-.008	0	%100
137	SF2-V4	Z	-.008	-.008	0	%100
138	SF2-V5	Z	-.008	-.008	0	%100
139	SF2-V6	Z	-.008	-.008	0	%100
140	RMP-3	Z	-.006	-.006	0	%100
141	RMP-1	Z	-.006	-.006	0	%100
142	RMP-2	Z	-.006	-.006	0	%100
143	RMP-7	Z	-.006	-.006	0	%100
144	RMP-6	Z	-.006	-.006	0	%100
145	RMP-5	Z	-.006	-.006	0	%100
146	RMP-4	Z	-.006	-.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.007	.007	0	%100
2	FF-D2	X	.007	.007	0	%100
3	FF-D3	X	.007	.007	0	%100
4	FF-D4	X	.007	.007	0	%100
5	SF1-D1	X	.007	.007	0	%100
6	SF1-D2	X	.007	.007	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	SF1-D3	X	.007	.007	0	%100
8	SF1-D4	X	.007	.007	0	%100
9	SF2-D1	X	.007	.007	0	%100
10	SF2-D2	X	.007	.007	0	%100
11	SF2-D3	X	.007	.007	0	%100
12	SF2-D4	X	.007	.007	0	%100
13	FF-BH	X	.014	.014	0	%100
14	SF1-BH	X	.017	.017	0	%100
15	SF2-BH	X	.005	.005	0	%100
16	FF-TH	X	.008	.008	0	%100
17	SF1-TH	X	.011	.011	0	%100
18	SF2-TH	X	.003	.003	0	%100
19	GSI1	X	.013	.013	0	%100
20	GSI2	X	.004	.004	0	%100
21	GSI3	X	.011	.011	0	%100
22	GSI4	X	.013	.013	0	%100
23	GSI5	X	.003	.003	0	%100
24	GSI6	X	.011	.011	0	%100
25	INT1	X	.003	.003	0	%100
26	INT2	X	.003	.003	0	%100
27	INT3	X	.001	.001	0	%100
28	INT4	X	.001	.001	0	%100
29	INT5	X	.005	.005	0	%100
30	INT6	X	.005	.005	0	%100
31	MP-1	X	.006	.006	0	%100
32	MP-2	X	.006	.006	0	%100
33	MP-3	X	.006	.006	0	%100
34	MP-4	X	.006	.006	0	%100
35	MP-5	X	.006	.006	0	%100
36	MP-6	X	.006	.006	0	%100
37	MP-7	X	.006	.006	0	%100
38	MP-8	X	.006	.006	0	%100
39	MP-9	X	.006	.006	0	%100
40	M82	X	.002	.002	0	%100
41	M83	X	.003	.003	0	%100
42	M84	X	.000718	.000718	0	%100
43	SA1	X	.012	.012	0	%100
44	SA2	X	.014	.014	0	%100
45	SA3	X	.004	.004	0	%100
46	FF-H	X	.004	.004	0	%100
47	FF-V1	X	.006	.006	0	%100
48	FF-V2	X	.006	.006	0	%100
49	FF-V3	X	.006	.006	0	%100
50	FF-V4	X	.006	.006	0	%100
51	FF-V5	X	.006	.006	0	%100
52	FF-V6	X	.006	.006	0	%100
53	SF1-H	X	.005	.005	0	%100
54	SF1-V1	X	.006	.006	0	%100
55	SF1-V2	X	.006	.006	0	%100
56	SF1-V3	X	.006	.006	0	%100
57	SF1-V4	X	.006	.006	0	%100
58	SF1-V5	X	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	SF1-V6	X	.006	.006	0	%100
60	SF2-H	X	.001	.001	0	%100
61	SF2-V1	X	.006	.006	0	%100
62	SF2-V2	X	.006	.006	0	%100
63	SF2-V3	X	.006	.006	0	%100
64	SF2-V4	X	.006	.006	0	%100
65	SF2-V5	X	.006	.006	0	%100
66	SF2-V6	X	.006	.006	0	%100
67	RMP-3	X	.005	.005	0	%100
68	RMP-1	X	.005	.005	0	%100
69	RMP-2	X	.005	.005	0	%100
70	RMP-7	X	.005	.005	0	%100
71	RMP-6	X	.005	.005	0	%100
72	RMP-5	X	.005	.005	0	%100
73	RMP-4	X	.005	.005	0	%100
74	FF-D1	Z	-.007	-.007	0	%100
75	FF-D2	Z	-.007	-.007	0	%100
76	FF-D3	Z	-.007	-.007	0	%100
77	FF-D4	Z	-.007	-.007	0	%100
78	SF1-D1	Z	-.007	-.007	0	%100
79	SF1-D2	Z	-.007	-.007	0	%100
80	SF1-D3	Z	-.007	-.007	0	%100
81	SF1-D4	Z	-.007	-.007	0	%100
82	SF2-D1	Z	-.007	-.007	0	%100
83	SF2-D2	Z	-.007	-.007	0	%100
84	SF2-D3	Z	-.007	-.007	0	%100
85	SF2-D4	Z	-.007	-.007	0	%100
86	FF-BH	Z	-.014	-.014	0	%100
87	SF1-BH	Z	-.019	-.019	0	%100
88	SF2-BH	Z	-.005	-.005	0	%100
89	FF-TH	Z	-.008	-.008	0	%100
90	SF1-TH	Z	-.011	-.011	0	%100
91	SF2-TH	Z	-.003	-.003	0	%100
92	GSI1	Z	-.015	-.015	0	%100
93	GSI2	Z	-.004	-.004	0	%100
94	GSI3	Z	-.011	-.011	0	%100
95	GSI4	Z	-.014	-.014	0	%100
96	GSI5	Z	-.004	-.004	0	%100
97	GSI6	Z	-.011	-.011	0	%100
98	INT1	Z	-.004	-.004	0	%100
99	INT2	Z	-.004	-.004	0	%100
100	INT3	Z	-.001	-.001	0	%100
101	INT4	Z	-.001	-.001	0	%100
102	INT5	Z	-.005	-.005	0	%100
103	INT6	Z	-.005	-.005	0	%100
104	MP-1	Z	-.006	-.006	0	%100
105	MP-2	Z	-.006	-.006	0	%100
106	MP-3	Z	-.006	-.006	0	%100
107	MP-4	Z	-.006	-.006	0	%100
108	MP-5	Z	-.006	-.006	0	%100
109	MP-6	Z	-.006	-.006	0	%100
110	MP-7	Z	-.006	-.006	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 8 : 135 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
111	MP-8	Z	-.006	-.006	0	%100
112	MP-9	Z	-.006	-.006	0	%100
113	M82	Z	-.002	-.002	0	%100
114	M83	Z	-.002	-.002	0	%100
115	M84	Z	-.000648	-.000648	0	%100
116	SA1	Z	-.012	-.012	0	%100
117	SA2	Z	-.015	-.015	0	%100
118	SA3	Z	-.004	-.004	0	%100
119	FF-H	Z	-.004	-.004	0	%100
120	FF-V1	Z	-.006	-.006	0	%100
121	FF-V2	Z	-.006	-.006	0	%100
122	FF-V3	Z	-.006	-.006	0	%100
123	FF-V4	Z	-.006	-.006	0	%100
124	FF-V5	Z	-.006	-.006	0	%100
125	FF-V6	Z	-.006	-.006	0	%100
126	SF1-H	Z	-.006	-.006	0	%100
127	SF1-V1	Z	-.006	-.006	0	%100
128	SF1-V2	Z	-.006	-.006	0	%100
129	SF1-V3	Z	-.006	-.006	0	%100
130	SF1-V4	Z	-.006	-.006	0	%100
131	SF1-V5	Z	-.006	-.006	0	%100
132	SF1-V6	Z	-.006	-.006	0	%100
133	SF2-H	Z	-.002	-.002	0	%100
134	SF2-V1	Z	-.006	-.006	0	%100
135	SF2-V2	Z	-.006	-.006	0	%100
136	SF2-V3	Z	-.006	-.006	0	%100
137	SF2-V4	Z	-.006	-.006	0	%100
138	SF2-V5	Z	-.006	-.006	0	%100
139	SF2-V6	Z	-.006	-.006	0	%100
140	RMP-3	Z	-.005	-.005	0	%100
141	RMP-1	Z	-.005	-.005	0	%100
142	RMP-2	Z	-.005	-.005	0	%100
143	RMP-7	Z	-.005	-.005	0	%100
144	RMP-6	Z	-.005	-.005	0	%100
145	RMP-5	Z	-.005	-.005	0	%100
146	RMP-4	Z	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.008	.008	0	%100
2	FF-D2	X	.008	.008	0	%100
3	FF-D3	X	.008	.008	0	%100
4	FF-D4	X	.008	.008	0	%100
5	SF1-D1	X	.008	.008	0	%100
6	SF1-D2	X	.008	.008	0	%100
7	SF1-D3	X	.008	.008	0	%100
8	SF1-D4	X	.008	.008	0	%100
9	SF2-D1	X	.008	.008	0	%100
10	SF2-D2	X	.008	.008	0	%100
11	SF2-D3	X	.008	.008	0	%100
12	SF2-D4	X	.008	.008	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	FF-BH	X	.021	.021	0	%100
14	SF1-BH	X	.019	.019	0	%100
15	SF2-BH	X	0	0	0	%100
16	FF-TH	X	.012	.012	0	%100
17	SF1-TH	X	.012	.012	0	%100
18	SF2-TH	X	0	0	0	%100
19	GSI1	X	.014	.014	0	%100
20	GSI2	X	0	0	0	%100
21	GSI3	X	.017	.017	0	%100
22	GSI4	X	.014	.014	0	%100
23	GSI5	X	0	0	0	%100
24	GSI6	X	.016	.016	0	%100
25	INT1	X	.002	.002	0	%100
26	INT2	X	.002	.002	0	%100
27	INT3	X	.003	.003	0	%100
28	INT4	X	.003	.003	0	%100
29	INT5	X	.007	.007	0	%100
30	INT6	X	.007	.007	0	%100
31	MP-1	X	.007	.007	0	%100
32	MP-2	X	.007	.007	0	%100
33	MP-3	X	.007	.007	0	%100
34	MP-4	X	.007	.007	0	%100
35	MP-5	X	.007	.007	0	%100
36	MP-6	X	.007	.007	0	%100
37	MP-7	X	.007	.007	0	%100
38	MP-8	X	.007	.007	0	%100
39	MP-9	X	.007	.007	0	%100
40	M82	X	.001	.001	0	%100
41	M83	X	.003	.003	0	%100
42	M84	X	.002	.002	0	%100
43	SA1	X	.018	.018	0	%100
44	SA2	X	.015	.015	0	%100
45	SA3	X	0	0	0	%100
46	FF-H	X	.007	.007	0	%100
47	FF-V1	X	.008	.008	0	%100
48	FF-V2	X	.008	.008	0	%100
49	FF-V3	X	.008	.008	0	%100
50	FF-V4	X	.008	.008	0	%100
51	FF-V5	X	.008	.008	0	%100
52	FF-V6	X	.008	.008	0	%100
53	SF1-H	X	.005	.005	0	%100
54	SF1-V1	X	.008	.008	0	%100
55	SF1-V2	X	.008	.008	0	%100
56	SF1-V3	X	.008	.008	0	%100
57	SF1-V4	X	.008	.008	0	%100
58	SF1-V5	X	.008	.008	0	%100
59	SF1-V6	X	.008	.008	0	%100
60	SF2-H	X	0	0	0	%100
61	SF2-V1	X	.008	.008	0	%100
62	SF2-V2	X	.008	.008	0	%100
63	SF2-V3	X	.008	.008	0	%100
64	SF2-V4	X	.008	.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	SF2-V5	X	.008	.008	0	%100
66	SF2-V6	X	.008	.008	0	%100
67	RMP-3	X	.006	.006	0	%100
68	RMP-1	X	.006	.006	0	%100
69	RMP-2	X	.006	.006	0	%100
70	RMP-7	X	.006	.006	0	%100
71	RMP-6	X	.006	.006	0	%100
72	RMP-5	X	.006	.006	0	%100
73	RMP-4	X	.006	.006	0	%100
74	FF-D1	Z	-.005	-.005	0	%100
75	FF-D2	Z	-.005	-.005	0	%100
76	FF-D3	Z	-.005	-.005	0	%100
77	FF-D4	Z	-.005	-.005	0	%100
78	SF1-D1	Z	-.005	-.005	0	%100
79	SF1-D2	Z	-.005	-.005	0	%100
80	SF1-D3	Z	-.005	-.005	0	%100
81	SF1-D4	Z	-.005	-.005	0	%100
82	SF2-D1	Z	-.005	-.005	0	%100
83	SF2-D2	Z	-.005	-.005	0	%100
84	SF2-D3	Z	-.005	-.005	0	%100
85	SF2-D4	Z	-.005	-.005	0	%100
86	FF-BH	Z	-.012	-.012	0	%100
87	SF1-BH	Z	-.012	-.012	0	%100
88	SF2-BH	Z	0	0	0	%100
89	FF-TH	Z	-.007	-.007	0	%100
90	SF1-TH	Z	-.007	-.007	0	%100
91	SF2-TH	Z	0	0	0	%100
92	GSI1	Z	-.009	-.009	0	%100
93	GSI2	Z	0	0	0	%100
94	GSI3	Z	-.01	-.01	0	%100
95	GSI4	Z	-.009	-.009	0	%100
96	GSI5	Z	0	0	0	%100
97	GSI6	Z	-.009	-.009	0	%100
98	INT1	Z	-.002	-.002	0	%100
99	INT2	Z	-.002	-.002	0	%100
100	INT3	Z	-.002	-.002	0	%100
101	INT4	Z	-.002	-.002	0	%100
102	INT5	Z	-.003	-.003	0	%100
103	INT6	Z	-.003	-.003	0	%100
104	MP-1	Z	-.004	-.004	0	%100
105	MP-2	Z	-.004	-.004	0	%100
106	MP-3	Z	-.004	-.004	0	%100
107	MP-4	Z	-.004	-.004	0	%100
108	MP-5	Z	-.004	-.004	0	%100
109	MP-6	Z	-.004	-.004	0	%100
110	MP-7	Z	-.004	-.004	0	%100
111	MP-8	Z	-.004	-.004	0	%100
112	MP-9	Z	-.004	-.004	0	%100
113	M82	Z	-.001	-.001	0	%100
114	M83	Z	-.002	-.002	0	%100
115	M84	Z	-.000886	-.000886	0	%100
116	SA1	Z	-.01	-.01	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
117	SA2	Z	-.01	-.01	0	%100
118	SA3	Z	0	0	0	%100
119	FF-H	Z	-.004	-.004	0	%100
120	FF-V1	Z	-.004	-.004	0	%100
121	FF-V2	Z	-.004	-.004	0	%100
122	FF-V3	Z	-.004	-.004	0	%100
123	FF-V4	Z	-.004	-.004	0	%100
124	FF-V5	Z	-.004	-.004	0	%100
125	FF-V6	Z	-.004	-.004	0	%100
126	SF1-H	Z	-.004	-.004	0	%100
127	SF1-V1	Z	-.004	-.004	0	%100
128	SF1-V2	Z	-.004	-.004	0	%100
129	SF1-V3	Z	-.004	-.004	0	%100
130	SF1-V4	Z	-.004	-.004	0	%100
131	SF1-V5	Z	-.004	-.004	0	%100
132	SF1-V6	Z	-.004	-.004	0	%100
133	SF2-H	Z	0	0	0	%100
134	SF2-V1	Z	-.004	-.004	0	%100
135	SF2-V2	Z	-.004	-.004	0	%100
136	SF2-V3	Z	-.004	-.004	0	%100
137	SF2-V4	Z	-.004	-.004	0	%100
138	SF2-V5	Z	-.004	-.004	0	%100
139	SF2-V6	Z	-.004	-.004	0	%100
140	RMP-3	Z	-.003	-.003	0	%100
141	RMP-1	Z	-.003	-.003	0	%100
142	RMP-2	Z	-.003	-.003	0	%100
143	RMP-7	Z	-.003	-.003	0	%100
144	RMP-6	Z	-.003	-.003	0	%100
145	RMP-5	Z	-.003	-.003	0	%100
146	RMP-4	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.01	.01	0	%100
2	FF-D2	X	.01	.01	0	%100
3	FF-D3	X	.01	.01	0	%100
4	FF-D4	X	.01	.01	0	%100
5	SF1-D1	X	.01	.01	0	%100
6	SF1-D2	X	.01	.01	0	%100
7	SF1-D3	X	.01	.01	0	%100
8	SF1-D4	X	.01	.01	0	%100
9	SF2-D1	X	.01	.01	0	%100
10	SF2-D2	X	.01	.01	0	%100
11	SF2-D3	X	.01	.01	0	%100
12	SF2-D4	X	.01	.01	0	%100
13	FF-BH	X	.027	.027	0	%100
14	SF1-BH	X	.012	.012	0	%100
15	SF2-BH	X	.012	.012	0	%100
16	FF-TH	X	.016	.016	0	%100
17	SF1-TH	X	.008	.008	0	%100
18	SF2-TH	X	.008	.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	GSI1	X	.01	.01	0	%100
20	GSI2	X	.01	.01	0	%100
21	GSI3	X	.022	.022	0	%100
22	GSI4	X	.009	.009	0	%100
23	GSI5	X	.009	.009	0	%100
24	GSI6	X	.021	.021	0	%100
25	INT1	X	0	0	0	%100
26	INT2	X	0	0	0	%100
27	INT3	X	.007	.007	0	%100
28	INT4	X	.007	.007	0	%100
29	INT5	X	.007	.007	0	%100
30	INT6	X	.007	.007	0	%100
31	MP-1	X	.008	.008	0	%100
32	MP-2	X	.008	.008	0	%100
33	MP-3	X	.008	.008	0	%100
34	MP-4	X	.008	.008	0	%100
35	MP-5	X	.008	.008	0	%100
36	MP-6	X	.008	.008	0	%100
37	MP-7	X	.008	.008	0	%100
38	MP-8	X	.008	.008	0	%100
39	MP-9	X	.008	.008	0	%100
40	M82	X	0	0	0	%100
41	M83	X	.003	.003	0	%100
42	M84	X	.003	.003	0	%100
43	SA1	X	.024	.024	0	%100
44	SA2	X	.01	.01	0	%100
45	SA3	X	.01	.01	0	%100
46	FF-H	X	.009	.009	0	%100
47	FF-V1	X	.009	.009	0	%100
48	FF-V2	X	.009	.009	0	%100
49	FF-V3	X	.009	.009	0	%100
50	FF-V4	X	.009	.009	0	%100
51	FF-V5	X	.009	.009	0	%100
52	FF-V6	X	.009	.009	0	%100
53	SF1-H	X	.004	.004	0	%100
54	SF1-V1	X	.009	.009	0	%100
55	SF1-V2	X	.009	.009	0	%100
56	SF1-V3	X	.009	.009	0	%100
57	SF1-V4	X	.009	.009	0	%100
58	SF1-V5	X	.009	.009	0	%100
59	SF1-V6	X	.009	.009	0	%100
60	SF2-H	X	.004	.004	0	%100
61	SF2-V1	X	.009	.009	0	%100
62	SF2-V2	X	.009	.009	0	%100
63	SF2-V3	X	.009	.009	0	%100
64	SF2-V4	X	.009	.009	0	%100
65	SF2-V5	X	.009	.009	0	%100
66	SF2-V6	X	.009	.009	0	%100
67	RMP-3	X	.006	.006	0	%100
68	RMP-1	X	.007	.007	0	%100
69	RMP-2	X	.006	.006	0	%100
70	RMP-7	X	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
71	RMP-6	X	.006	.006	0	%100
72	RMP-5	X	.006	.006	0	%100
73	RMP-4	X	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.008	.008	0	%100
2	FF-D2	X	.008	.008	0	%100
3	FF-D3	X	.008	.008	0	%100
4	FF-D4	X	.008	.008	0	%100
5	SF1-D1	X	.008	.008	0	%100
6	SF1-D2	X	.008	.008	0	%100
7	SF1-D3	X	.008	.008	0	%100
8	SF1-D4	X	.008	.008	0	%100
9	SF2-D1	X	.008	.008	0	%100
10	SF2-D2	X	.008	.008	0	%100
11	SF2-D3	X	.008	.008	0	%100
12	SF2-D4	X	.008	.008	0	%100
13	FF-BH	X	.021	.021	0	%100
14	SF1-BH	X	0	0	0	%100
15	SF2-BH	X	.019	.019	0	%100
16	FF-TH	X	.012	.012	0	%100
17	SF1-TH	X	0	0	0	%100
18	SF2-TH	X	.012	.012	0	%100
19	GSI1	X	0	0	0	%100
20	GSI2	X	.014	.014	0	%100
21	GSI3	X	.017	.017	0	%100
22	GSI4	X	0	0	0	%100
23	GSI5	X	.014	.014	0	%100
24	GSI6	X	.016	.016	0	%100
25	INT1	X	.002	.002	0	%100
26	INT2	X	.002	.002	0	%100
27	INT3	X	.007	.007	0	%100
28	INT4	X	.007	.007	0	%100
29	INT5	X	.003	.003	0	%100
30	INT6	X	.003	.003	0	%100
31	MP-1	X	.007	.007	0	%100
32	MP-2	X	.007	.007	0	%100
33	MP-3	X	.007	.007	0	%100
34	MP-4	X	.007	.007	0	%100
35	MP-5	X	.007	.007	0	%100
36	MP-6	X	.007	.007	0	%100
37	MP-7	X	.007	.007	0	%100
38	MP-8	X	.007	.007	0	%100
39	MP-9	X	.007	.007	0	%100
40	M82	X	.001	.001	0	%100
41	M83	X	.002	.002	0	%100
42	M84	X	.003	.003	0	%100
43	SA1	X	.018	.018	0	%100
44	SA2	X	0	0	0	%100
45	SA3	X	.015	.015	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 11 : 210 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	FF-H	X	.007	.007	0	%100
47	FF-V1	X	.008	.008	0	%100
48	FF-V2	X	.008	.008	0	%100
49	FF-V3	X	.008	.008	0	%100
50	FF-V4	X	.008	.008	0	%100
51	FF-V5	X	.008	.008	0	%100
52	FF-V6	X	.008	.008	0	%100
53	SF1-H	X	0	0	0	%100
54	SF1-V1	X	.008	.008	0	%100
55	SF1-V2	X	.008	.008	0	%100
56	SF1-V3	X	.008	.008	0	%100
57	SF1-V4	X	.008	.008	0	%100
58	SF1-V5	X	.008	.008	0	%100
59	SF1-V6	X	.008	.008	0	%100
60	SF2-H	X	.005	.005	0	%100
61	SF2-V1	X	.008	.008	0	%100
62	SF2-V2	X	.008	.008	0	%100
63	SF2-V3	X	.008	.008	0	%100
64	SF2-V4	X	.008	.008	0	%100
65	SF2-V5	X	.008	.008	0	%100
66	SF2-V6	X	.008	.008	0	%100
67	RMP-3	X	.006	.006	0	%100
68	RMP-1	X	.006	.006	0	%100
69	RMP-2	X	.006	.006	0	%100
70	RMP-7	X	.006	.006	0	%100
71	RMP-6	X	.006	.006	0	%100
72	RMP-5	X	.006	.006	0	%100
73	RMP-4	X	.006	.006	0	%100
74	FF-D1	Z	.005	.005	0	%100
75	FF-D2	Z	.005	.005	0	%100
76	FF-D3	Z	.005	.005	0	%100
77	FF-D4	Z	.005	.005	0	%100
78	SF1-D1	Z	.005	.005	0	%100
79	SF1-D2	Z	.005	.005	0	%100
80	SF1-D3	Z	.005	.005	0	%100
81	SF1-D4	Z	.005	.005	0	%100
82	SF2-D1	Z	.005	.005	0	%100
83	SF2-D2	Z	.005	.005	0	%100
84	SF2-D3	Z	.005	.005	0	%100
85	SF2-D4	Z	.005	.005	0	%100
86	FF-BH	Z	.012	.012	0	%100
87	SF1-BH	Z	0	0	0	%100
88	SF2-BH	Z	.012	.012	0	%100
89	FF-TH	Z	.007	.007	0	%100
90	SF1-TH	Z	0	0	0	%100
91	SF2-TH	Z	.007	.007	0	%100
92	GSI1	Z	0	0	0	%100
93	GSI2	Z	.009	.009	0	%100
94	GSI3	Z	.01	.01	0	%100
95	GSI4	Z	0	0	0	%100
96	GSI5	Z	.009	.009	0	%100
97	GSI6	Z	.009	.009	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
98	INT1	Z	.002	.002	0	%100
99	INT2	Z	.002	.002	0	%100
100	INT3	Z	.003	.003	0	%100
101	INT4	Z	.003	.003	0	%100
102	INT5	Z	.002	.002	0	%100
103	INT6	Z	.002	.002	0	%100
104	MP-1	Z	.004	.004	0	%100
105	MP-2	Z	.004	.004	0	%100
106	MP-3	Z	.004	.004	0	%100
107	MP-4	Z	.004	.004	0	%100
108	MP-5	Z	.004	.004	0	%100
109	MP-6	Z	.004	.004	0	%100
110	MP-7	Z	.004	.004	0	%100
111	MP-8	Z	.004	.004	0	%100
112	MP-9	Z	.004	.004	0	%100
113	M82	Z	.001	.001	0	%100
114	M83	Z	.000886	.000886	0	%100
115	M84	Z	.002	.002	0	%100
116	SA1	Z	.01	.01	0	%100
117	SA2	Z	0	0	0	%100
118	SA3	Z	.01	.01	0	%100
119	FF-H	Z	.004	.004	0	%100
120	FF-V1	Z	.004	.004	0	%100
121	FF-V2	Z	.004	.004	0	%100
122	FF-V3	Z	.004	.004	0	%100
123	FF-V4	Z	.004	.004	0	%100
124	FF-V5	Z	.004	.004	0	%100
125	FF-V6	Z	.004	.004	0	%100
126	SF1-H	Z	0	0	0	%100
127	SF1-V1	Z	.004	.004	0	%100
128	SF1-V2	Z	.004	.004	0	%100
129	SF1-V3	Z	.004	.004	0	%100
130	SF1-V4	Z	.004	.004	0	%100
131	SF1-V5	Z	.004	.004	0	%100
132	SF1-V6	Z	.004	.004	0	%100
133	SF2-H	Z	.004	.004	0	%100
134	SF2-V1	Z	.004	.004	0	%100
135	SF2-V2	Z	.004	.004	0	%100
136	SF2-V3	Z	.004	.004	0	%100
137	SF2-V4	Z	.004	.004	0	%100
138	SF2-V5	Z	.004	.004	0	%100
139	SF2-V6	Z	.004	.004	0	%100
140	RMP-3	Z	.003	.003	0	%100
141	RMP-1	Z	.003	.003	0	%100
142	RMP-2	Z	.003	.003	0	%100
143	RMP-7	Z	.003	.003	0	%100
144	RMP-6	Z	.003	.003	0	%100
145	RMP-5	Z	.003	.003	0	%100
146	RMP-4	Z	.003	.003	0	%100

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

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

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 12 : 225 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.007	.007	0	%100
2	FF-D2	X	.007	.007	0	%100
3	FF-D3	X	.007	.007	0	%100
4	FF-D4	X	.007	.007	0	%100
5	SF1-D1	X	.007	.007	0	%100
6	SF1-D2	X	.007	.007	0	%100
7	SF1-D3	X	.007	.007	0	%100
8	SF1-D4	X	.007	.007	0	%100
9	SF2-D1	X	.007	.007	0	%100
10	SF2-D2	X	.007	.007	0	%100
11	SF2-D3	X	.007	.007	0	%100
12	SF2-D4	X	.007	.007	0	%100
13	FF-BH	X	.014	.014	0	%100
14	SF1-BH	X	.005	.005	0	%100
15	SF2-BH	X	.017	.017	0	%100
16	FF-TH	X	.008	.008	0	%100
17	SF1-TH	X	.003	.003	0	%100
18	SF2-TH	X	.011	.011	0	%100
19	GSI1	X	.004	.004	0	%100
20	GSI2	X	.013	.013	0	%100
21	GSI3	X	.011	.011	0	%100
22	GSI4	X	.003	.003	0	%100
23	GSI5	X	.013	.013	0	%100
24	GSI6	X	.011	.011	0	%100
25	INT1	X	.003	.003	0	%100
26	INT2	X	.003	.003	0	%100
27	INT3	X	.005	.005	0	%100
28	INT4	X	.005	.005	0	%100
29	INT5	X	.001	.001	0	%100
30	INT6	X	.001	.001	0	%100
31	MP-1	X	.006	.006	0	%100
32	MP-2	X	.006	.006	0	%100
33	MP-3	X	.006	.006	0	%100
34	MP-4	X	.006	.006	0	%100
35	MP-5	X	.006	.006	0	%100
36	MP-6	X	.006	.006	0	%100
37	MP-7	X	.006	.006	0	%100
38	MP-8	X	.006	.006	0	%100
39	MP-9	X	.006	.006	0	%100
40	M82	X	.002	.002	0	%100
41	M83	X	.000718	.000718	0	%100
42	M84	X	.003	.003	0	%100
43	SA1	X	.012	.012	0	%100
44	SA2	X	.004	.004	0	%100
45	SA3	X	.014	.014	0	%100
46	FF-H	X	.004	.004	0	%100
47	FF-V1	X	.006	.006	0	%100
48	FF-V2	X	.006	.006	0	%100
49	FF-V3	X	.006	.006	0	%100
50	FF-V4	X	.006	.006	0	%100
51	FF-V5	X	.006	.006	0	%100
52	FF-V6	X	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	SF1-H	X	.001	.001	0	%100
54	SF1-V1	X	.006	.006	0	%100
55	SF1-V2	X	.006	.006	0	%100
56	SF1-V3	X	.006	.006	0	%100
57	SF1-V4	X	.006	.006	0	%100
58	SF1-V5	X	.006	.006	0	%100
59	SF1-V6	X	.006	.006	0	%100
60	SF2-H	X	.005	.005	0	%100
61	SF2-V1	X	.006	.006	0	%100
62	SF2-V2	X	.006	.006	0	%100
63	SF2-V3	X	.006	.006	0	%100
64	SF2-V4	X	.006	.006	0	%100
65	SF2-V5	X	.006	.006	0	%100
66	SF2-V6	X	.006	.006	0	%100
67	RMP-3	X	.005	.005	0	%100
68	RMP-1	X	.005	.005	0	%100
69	RMP-2	X	.005	.005	0	%100
70	RMP-7	X	.005	.005	0	%100
71	RMP-6	X	.005	.005	0	%100
72	RMP-5	X	.005	.005	0	%100
73	RMP-4	X	.005	.005	0	%100
74	FF-D1	Z	.007	.007	0	%100
75	FF-D2	Z	.007	.007	0	%100
76	FF-D3	Z	.007	.007	0	%100
77	FF-D4	Z	.007	.007	0	%100
78	SF1-D1	Z	.007	.007	0	%100
79	SF1-D2	Z	.007	.007	0	%100
80	SF1-D3	Z	.007	.007	0	%100
81	SF1-D4	Z	.007	.007	0	%100
82	SF2-D1	Z	.007	.007	0	%100
83	SF2-D2	Z	.007	.007	0	%100
84	SF2-D3	Z	.007	.007	0	%100
85	SF2-D4	Z	.007	.007	0	%100
86	FF-BH	Z	.014	.014	0	%100
87	SF1-BH	Z	.005	.005	0	%100
88	SF2-BH	Z	.019	.019	0	%100
89	FF-TH	Z	.008	.008	0	%100
90	SF1-TH	Z	.003	.003	0	%100
91	SF2-TH	Z	.011	.011	0	%100
92	GSI1	Z	.004	.004	0	%100
93	GSI2	Z	.015	.015	0	%100
94	GSI3	Z	.011	.011	0	%100
95	GSI4	Z	.004	.004	0	%100
96	GSI5	Z	.014	.014	0	%100
97	GSI6	Z	.011	.011	0	%100
98	INT1	Z	.004	.004	0	%100
99	INT2	Z	.004	.004	0	%100
100	INT3	Z	.005	.005	0	%100
101	INT4	Z	.005	.005	0	%100
102	INT5	Z	.001	.001	0	%100
103	INT6	Z	.001	.001	0	%100
104	MP-1	Z	.006	.006	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 12 : 225 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP-2	Z	.006	.006	0	%100
106	MP-3	Z	.006	.006	0	%100
107	MP-4	Z	.006	.006	0	%100
108	MP-5	Z	.006	.006	0	%100
109	MP-6	Z	.006	.006	0	%100
110	MP-7	Z	.006	.006	0	%100
111	MP-8	Z	.006	.006	0	%100
112	MP-9	Z	.006	.006	0	%100
113	M82	Z	.002	.002	0	%100
114	M83	Z	.000648	.000648	0	%100
115	M84	Z	.002	.002	0	%100
116	SA1	Z	.012	.012	0	%100
117	SA2	Z	.004	.004	0	%100
118	SA3	Z	.015	.015	0	%100
119	FF-H	Z	.004	.004	0	%100
120	FF-V1	Z	.006	.006	0	%100
121	FF-V2	Z	.006	.006	0	%100
122	FF-V3	Z	.006	.006	0	%100
123	FF-V4	Z	.006	.006	0	%100
124	FF-V5	Z	.006	.006	0	%100
125	FF-V6	Z	.006	.006	0	%100
126	SF1-H	Z	.002	.002	0	%100
127	SF1-V1	Z	.006	.006	0	%100
128	SF1-V2	Z	.006	.006	0	%100
129	SF1-V3	Z	.006	.006	0	%100
130	SF1-V4	Z	.006	.006	0	%100
131	SF1-V5	Z	.006	.006	0	%100
132	SF1-V6	Z	.006	.006	0	%100
133	SF2-H	Z	.006	.006	0	%100
134	SF2-V1	Z	.006	.006	0	%100
135	SF2-V2	Z	.006	.006	0	%100
136	SF2-V3	Z	.006	.006	0	%100
137	SF2-V4	Z	.006	.006	0	%100
138	SF2-V5	Z	.006	.006	0	%100
139	SF2-V6	Z	.006	.006	0	%100
140	RMP-3	Z	.005	.005	0	%100
141	RMP-1	Z	.005	.005	0	%100
142	RMP-2	Z	.005	.005	0	%100
143	RMP-7	Z	.005	.005	0	%100
144	RMP-6	Z	.005	.005	0	%100
145	RMP-5	Z	.005	.005	0	%100
146	RMP-4	Z	.005	.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.005	.005	0	%100
2	FF-D2	X	.005	.005	0	%100
3	FF-D3	X	.005	.005	0	%100
4	FF-D4	X	.005	.005	0	%100
5	SF1-D1	X	.005	.005	0	%100
6	SF1-D2	X	.005	.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	SF1-D3	X	.005	.005	0	%100
8	SF1-D4	X	.005	.005	0	%100
9	SF2-D1	X	.005	.005	0	%100
10	SF2-D2	X	.005	.005	0	%100
11	SF2-D3	X	.005	.005	0	%100
12	SF2-D4	X	.005	.005	0	%100
13	FF-BH	X	.007	.007	0	%100
14	SF1-BH	X	.006	.006	0	%100
15	SF2-BH	X	.012	.012	0	%100
16	FF-TH	X	.004	.004	0	%100
17	SF1-TH	X	.004	.004	0	%100
18	SF2-TH	X	.008	.008	0	%100
19	GSI1	X	.005	.005	0	%100
20	GSI2	X	.01	.01	0	%100
21	GSI3	X	.006	.006	0	%100
22	GSI4	X	.005	.005	0	%100
23	GSI5	X	.009	.009	0	%100
24	GSI6	X	.005	.005	0	%100
25	INT1	X	.002	.002	0	%100
26	INT2	X	.002	.002	0	%100
27	INT3	X	.003	.003	0	%100
28	INT4	X	.003	.003	0	%100
29	INT5	X	0	0	0	%100
30	INT6	X	0	0	0	%100
31	MP-1	X	.004	.004	0	%100
32	MP-2	X	.004	.004	0	%100
33	MP-3	X	.004	.004	0	%100
34	MP-4	X	.004	.004	0	%100
35	MP-5	X	.004	.004	0	%100
36	MP-6	X	.004	.004	0	%100
37	MP-7	X	.004	.004	0	%100
38	MP-8	X	.004	.004	0	%100
39	MP-9	X	.004	.004	0	%100
40	M82	X	.001	.001	0	%100
41	M83	X	0	0	0	%100
42	M84	X	.002	.002	0	%100
43	SA1	X	.006	.006	0	%100
44	SA2	X	.005	.005	0	%100
45	SA3	X	.01	.01	0	%100
46	FF-H	X	.002	.002	0	%100
47	FF-V1	X	.004	.004	0	%100
48	FF-V2	X	.004	.004	0	%100
49	FF-V3	X	.004	.004	0	%100
50	FF-V4	X	.004	.004	0	%100
51	FF-V5	X	.004	.004	0	%100
52	FF-V6	X	.004	.004	0	%100
53	SF1-H	X	.002	.002	0	%100
54	SF1-V1	X	.004	.004	0	%100
55	SF1-V2	X	.004	.004	0	%100
56	SF1-V3	X	.004	.004	0	%100
57	SF1-V4	X	.004	.004	0	%100
58	SF1-V5	X	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 13 : 240 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	SF1-V6	X	.004	.004	0	%100
60	SF2-H	X	.004	.004	0	%100
61	SF2-V1	X	.004	.004	0	%100
62	SF2-V2	X	.004	.004	0	%100
63	SF2-V3	X	.004	.004	0	%100
64	SF2-V4	X	.004	.004	0	%100
65	SF2-V5	X	.004	.004	0	%100
66	SF2-V6	X	.004	.004	0	%100
67	RMP-3	X	.003	.003	0	%100
68	RMP-1	X	.003	.003	0	%100
69	RMP-2	X	.003	.003	0	%100
70	RMP-7	X	.003	.003	0	%100
71	RMP-6	X	.003	.003	0	%100
72	RMP-5	X	.003	.003	0	%100
73	RMP-4	X	.003	.003	0	%100
74	FF-D1	Z	.008	.008	0	%100
75	FF-D2	Z	.008	.008	0	%100
76	FF-D3	Z	.008	.008	0	%100
77	FF-D4	Z	.008	.008	0	%100
78	SF1-D1	Z	.008	.008	0	%100
79	SF1-D2	Z	.008	.008	0	%100
80	SF1-D3	Z	.008	.008	0	%100
81	SF1-D4	Z	.008	.008	0	%100
82	SF2-D1	Z	.008	.008	0	%100
83	SF2-D2	Z	.008	.008	0	%100
84	SF2-D3	Z	.008	.008	0	%100
85	SF2-D4	Z	.008	.008	0	%100
86	FF-BH	Z	.012	.012	0	%100
87	SF1-BH	Z	.012	.012	0	%100
88	SF2-BH	Z	.024	.024	0	%100
89	FF-TH	Z	.007	.007	0	%100
90	SF1-TH	Z	.007	.007	0	%100
91	SF2-TH	Z	.014	.014	0	%100
92	GSI1	Z	.009	.009	0	%100
93	GSI2	Z	.019	.019	0	%100
94	GSI3	Z	.01	.01	0	%100
95	GSI4	Z	.009	.009	0	%100
96	GSI5	Z	.018	.018	0	%100
97	GSI6	Z	.009	.009	0	%100
98	INT1	Z	.006	.006	0	%100
99	INT2	Z	.006	.006	0	%100
100	INT3	Z	.005	.005	0	%100
101	INT4	Z	.005	.005	0	%100
102	INT5	Z	0	0	0	%100
103	INT6	Z	0	0	0	%100
104	MP-1	Z	.007	.007	0	%100
105	MP-2	Z	.007	.007	0	%100
106	MP-3	Z	.007	.007	0	%100
107	MP-4	Z	.007	.007	0	%100
108	MP-5	Z	.007	.007	0	%100
109	MP-6	Z	.007	.007	0	%100
110	MP-7	Z	.007	.007	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
111	MP-8	Z	.007	.007	0	%100
112	MP-9	Z	.007	.007	0	%100
113	M82	Z	.003	.003	0	%100
114	M83	Z	0	0	0	%100
115	M84	Z	.003	.003	0	%100
116	SA1	Z	.01	.01	0	%100
117	SA2	Z	.01	.01	0	%100
118	SA3	Z	.02	.02	0	%100
119	FF-H	Z	.004	.004	0	%100
120	FF-V1	Z	.008	.008	0	%100
121	FF-V2	Z	.008	.008	0	%100
122	FF-V3	Z	.008	.008	0	%100
123	FF-V4	Z	.008	.008	0	%100
124	FF-V5	Z	.008	.008	0	%100
125	FF-V6	Z	.008	.008	0	%100
126	SF1-H	Z	.004	.004	0	%100
127	SF1-V1	Z	.008	.008	0	%100
128	SF1-V2	Z	.008	.008	0	%100
129	SF1-V3	Z	.008	.008	0	%100
130	SF1-V4	Z	.008	.008	0	%100
131	SF1-V5	Z	.008	.008	0	%100
132	SF1-V6	Z	.008	.008	0	%100
133	SF2-H	Z	.007	.007	0	%100
134	SF2-V1	Z	.008	.008	0	%100
135	SF2-V2	Z	.008	.008	0	%100
136	SF2-V3	Z	.008	.008	0	%100
137	SF2-V4	Z	.008	.008	0	%100
138	SF2-V5	Z	.008	.008	0	%100
139	SF2-V6	Z	.008	.008	0	%100
140	RMP-3	Z	.006	.006	0	%100
141	RMP-1	Z	.006	.006	0	%100
142	RMP-2	Z	.006	.006	0	%100
143	RMP-7	Z	.006	.006	0	%100
144	RMP-6	Z	.006	.006	0	%100
145	RMP-5	Z	.006	.006	0	%100
146	RMP-4	Z	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	Z	.01	.01	0	%100
2	FF-D2	Z	.01	.01	0	%100
3	FF-D3	Z	.01	.01	0	%100
4	FF-D4	Z	.01	.01	0	%100
5	SF1-D1	Z	.01	.01	0	%100
6	SF1-D2	Z	.01	.01	0	%100
7	SF1-D3	Z	.01	.01	0	%100
8	SF1-D4	Z	.01	.01	0	%100
9	SF2-D1	Z	.01	.01	0	%100
10	SF2-D2	Z	.01	.01	0	%100
11	SF2-D3	Z	.01	.01	0	%100
12	SF2-D4	Z	.01	.01	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 14 : 270 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	FF-BH	Z	0	0	0	%100
14	SF1-BH	Z	.024	.024	0	%100
15	SF2-BH	Z	.024	.024	0	%100
16	FF-TH	Z	0	0	0	%100
17	SF1-TH	Z	.014	.014	0	%100
18	SF2-TH	Z	.014	.014	0	%100
19	GSI1	Z	.019	.019	0	%100
20	GSI2	Z	.019	.019	0	%100
21	GSI3	Z	0	0	0	%100
22	GSI4	Z	.018	.018	0	%100
23	GSI5	Z	.018	.018	0	%100
24	GSI6	Z	0	0	0	%100
25	INT1	Z	.008	.008	0	%100
26	INT2	Z	.008	.008	0	%100
27	INT3	Z	.003	.003	0	%100
28	INT4	Z	.003	.003	0	%100
29	INT5	Z	.003	.003	0	%100
30	INT6	Z	.003	.003	0	%100
31	MP-1	Z	.008	.008	0	%100
32	MP-2	Z	.008	.008	0	%100
33	MP-3	Z	.008	.008	0	%100
34	MP-4	Z	.008	.008	0	%100
35	MP-5	Z	.008	.008	0	%100
36	MP-6	Z	.008	.008	0	%100
37	MP-7	Z	.008	.008	0	%100
38	MP-8	Z	.008	.008	0	%100
39	MP-9	Z	.008	.008	0	%100
40	M82	Z	.004	.004	0	%100
41	M83	Z	.002	.002	0	%100
42	M84	Z	.002	.002	0	%100
43	SA1	Z	0	0	0	%100
44	SA2	Z	.02	.02	0	%100
45	SA3	Z	.02	.02	0	%100
46	FF-H	Z	0	0	0	%100
47	FF-V1	Z	.009	.009	0	%100
48	FF-V2	Z	.009	.009	0	%100
49	FF-V3	Z	.009	.009	0	%100
50	FF-V4	Z	.009	.009	0	%100
51	FF-V5	Z	.009	.009	0	%100
52	FF-V6	Z	.009	.009	0	%100
53	SF1-H	Z	.007	.007	0	%100
54	SF1-V1	Z	.009	.009	0	%100
55	SF1-V2	Z	.009	.009	0	%100
56	SF1-V3	Z	.009	.009	0	%100
57	SF1-V4	Z	.009	.009	0	%100
58	SF1-V5	Z	.009	.009	0	%100
59	SF1-V6	Z	.009	.009	0	%100
60	SF2-H	Z	.007	.007	0	%100
61	SF2-V1	Z	.009	.009	0	%100
62	SF2-V2	Z	.009	.009	0	%100
63	SF2-V3	Z	.009	.009	0	%100
64	SF2-V4	Z	.009	.009	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	SF2-V5	Z	.009	.009	0	%100
66	SF2-V6	Z	.009	.009	0	%100
67	RMP-3	Z	.006	.006	0	%100
68	RMP-1	Z	.007	.007	0	%100
69	RMP-2	Z	.006	.006	0	%100
70	RMP-7	Z	.006	.006	0	%100
71	RMP-6	Z	.006	.006	0	%100
72	RMP-5	Z	.006	.006	0	%100
73	RMP-4	Z	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.005	-.005	0	%100
2	FF-D2	X	-.005	-.005	0	%100
3	FF-D3	X	-.005	-.005	0	%100
4	FF-D4	X	-.005	-.005	0	%100
5	SF1-D1	X	-.005	-.005	0	%100
6	SF1-D2	X	-.005	-.005	0	%100
7	SF1-D3	X	-.005	-.005	0	%100
8	SF1-D4	X	-.005	-.005	0	%100
9	SF2-D1	X	-.005	-.005	0	%100
10	SF2-D2	X	-.005	-.005	0	%100
11	SF2-D3	X	-.005	-.005	0	%100
12	SF2-D4	X	-.005	-.005	0	%100
13	FF-BH	X	-.007	-.007	0	%100
14	SF1-BH	X	-.012	-.012	0	%100
15	SF2-BH	X	-.006	-.006	0	%100
16	FF-TH	X	-.004	-.004	0	%100
17	SF1-TH	X	-.008	-.008	0	%100
18	SF2-TH	X	-.004	-.004	0	%100
19	GSI1	X	-.01	-.01	0	%100
20	GSI2	X	-.005	-.005	0	%100
21	GSI3	X	-.006	-.006	0	%100
22	GSI4	X	-.009	-.009	0	%100
23	GSI5	X	-.005	-.005	0	%100
24	GSI6	X	-.005	-.005	0	%100
25	INT1	X	-.002	-.002	0	%100
26	INT2	X	-.002	-.002	0	%100
27	INT3	X	0	0	0	%100
28	INT4	X	0	0	0	%100
29	INT5	X	-.003	-.003	0	%100
30	INT6	X	-.003	-.003	0	%100
31	MP-1	X	-.004	-.004	0	%100
32	MP-2	X	-.004	-.004	0	%100
33	MP-3	X	-.004	-.004	0	%100
34	MP-4	X	-.004	-.004	0	%100
35	MP-5	X	-.004	-.004	0	%100
36	MP-6	X	-.004	-.004	0	%100
37	MP-7	X	-.004	-.004	0	%100
38	MP-8	X	-.004	-.004	0	%100
39	MP-9	X	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M82	X	-.001	-.001	0	%100
41	M83	X	-.002	-.002	0	%100
42	M84	X	0	0	0	%100
43	SA1	X	-.006	-.006	0	%100
44	SA2	X	-.01	-.01	0	%100
45	SA3	X	-.005	-.005	0	%100
46	FF-H	X	-.002	-.002	0	%100
47	FF-V1	X	-.004	-.004	0	%100
48	FF-V2	X	-.004	-.004	0	%100
49	FF-V3	X	-.004	-.004	0	%100
50	FF-V4	X	-.004	-.004	0	%100
51	FF-V5	X	-.004	-.004	0	%100
52	FF-V6	X	-.004	-.004	0	%100
53	SF1-H	X	-.004	-.004	0	%100
54	SF1-V1	X	-.004	-.004	0	%100
55	SF1-V2	X	-.004	-.004	0	%100
56	SF1-V3	X	-.004	-.004	0	%100
57	SF1-V4	X	-.004	-.004	0	%100
58	SF1-V5	X	-.004	-.004	0	%100
59	SF1-V6	X	-.004	-.004	0	%100
60	SF2-H	X	-.002	-.002	0	%100
61	SF2-V1	X	-.004	-.004	0	%100
62	SF2-V2	X	-.004	-.004	0	%100
63	SF2-V3	X	-.004	-.004	0	%100
64	SF2-V4	X	-.004	-.004	0	%100
65	SF2-V5	X	-.004	-.004	0	%100
66	SF2-V6	X	-.004	-.004	0	%100
67	RMP-3	X	-.003	-.003	0	%100
68	RMP-1	X	-.003	-.003	0	%100
69	RMP-2	X	-.003	-.003	0	%100
70	RMP-7	X	-.003	-.003	0	%100
71	RMP-6	X	-.003	-.003	0	%100
72	RMP-5	X	-.003	-.003	0	%100
73	RMP-4	X	-.003	-.003	0	%100
74	FF-D1	Z	.008	.008	0	%100
75	FF-D2	Z	.008	.008	0	%100
76	FF-D3	Z	.008	.008	0	%100
77	FF-D4	Z	.008	.008	0	%100
78	SF1-D1	Z	.008	.008	0	%100
79	SF1-D2	Z	.008	.008	0	%100
80	SF1-D3	Z	.008	.008	0	%100
81	SF1-D4	Z	.008	.008	0	%100
82	SF2-D1	Z	.008	.008	0	%100
83	SF2-D2	Z	.008	.008	0	%100
84	SF2-D3	Z	.008	.008	0	%100
85	SF2-D4	Z	.008	.008	0	%100
86	FF-BH	Z	.012	.012	0	%100
87	SF1-BH	Z	.024	.024	0	%100
88	SF2-BH	Z	.012	.012	0	%100
89	FF-TH	Z	.007	.007	0	%100
90	SF1-TH	Z	.014	.014	0	%100
91	SF2-TH	Z	.007	.007	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
92	GSI1	Z	.019	.019	0	%100
93	GSI2	Z	.009	.009	0	%100
94	GSI3	Z	.01	.01	0	%100
95	GSI4	Z	.018	.018	0	%100
96	GSI5	Z	.009	.009	0	%100
97	GSI6	Z	.009	.009	0	%100
98	INT1	Z	.006	.006	0	%100
99	INT2	Z	.006	.006	0	%100
100	INT3	Z	0	0	0	%100
101	INT4	Z	0	0	0	%100
102	INT5	Z	.005	.005	0	%100
103	INT6	Z	.005	.005	0	%100
104	MP-1	Z	.007	.007	0	%100
105	MP-2	Z	.007	.007	0	%100
106	MP-3	Z	.007	.007	0	%100
107	MP-4	Z	.007	.007	0	%100
108	MP-5	Z	.007	.007	0	%100
109	MP-6	Z	.007	.007	0	%100
110	MP-7	Z	.007	.007	0	%100
111	MP-8	Z	.007	.007	0	%100
112	MP-9	Z	.007	.007	0	%100
113	M82	Z	.003	.003	0	%100
114	M83	Z	.003	.003	0	%100
115	M84	Z	0	0	0	%100
116	SA1	Z	.01	.01	0	%100
117	SA2	Z	.02	.02	0	%100
118	SA3	Z	.01	.01	0	%100
119	FF-H	Z	.004	.004	0	%100
120	FF-V1	Z	.008	.008	0	%100
121	FF-V2	Z	.008	.008	0	%100
122	FF-V3	Z	.008	.008	0	%100
123	FF-V4	Z	.008	.008	0	%100
124	FF-V5	Z	.008	.008	0	%100
125	FF-V6	Z	.008	.008	0	%100
126	SF1-H	Z	.007	.007	0	%100
127	SF1-V1	Z	.008	.008	0	%100
128	SF1-V2	Z	.008	.008	0	%100
129	SF1-V3	Z	.008	.008	0	%100
130	SF1-V4	Z	.008	.008	0	%100
131	SF1-V5	Z	.008	.008	0	%100
132	SF1-V6	Z	.008	.008	0	%100
133	SF2-H	Z	.004	.004	0	%100
134	SF2-V1	Z	.008	.008	0	%100
135	SF2-V2	Z	.008	.008	0	%100
136	SF2-V3	Z	.008	.008	0	%100
137	SF2-V4	Z	.008	.008	0	%100
138	SF2-V5	Z	.008	.008	0	%100
139	SF2-V6	Z	.008	.008	0	%100
140	RMP-3	Z	.006	.006	0	%100
141	RMP-1	Z	.006	.006	0	%100
142	RMP-2	Z	.006	.006	0	%100
143	RMP-7	Z	.006	.006	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 15 : 300 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
144	RMP-6	Z	.006	.006	0	%100
145	RMP-5	Z	.006	.006	0	%100
146	RMP-4	Z	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.007	-.007	0	%100
2	FF-D2	X	-.007	-.007	0	%100
3	FF-D3	X	-.007	-.007	0	%100
4	FF-D4	X	-.007	-.007	0	%100
5	SF1-D1	X	-.007	-.007	0	%100
6	SF1-D2	X	-.007	-.007	0	%100
7	SF1-D3	X	-.007	-.007	0	%100
8	SF1-D4	X	-.007	-.007	0	%100
9	SF2-D1	X	-.007	-.007	0	%100
10	SF2-D2	X	-.007	-.007	0	%100
11	SF2-D3	X	-.007	-.007	0	%100
12	SF2-D4	X	-.007	-.007	0	%100
13	FF-BH	X	-.014	-.014	0	%100
14	SF1-BH	X	-.017	-.017	0	%100
15	SF2-BH	X	-.005	-.005	0	%100
16	FF-TH	X	-.008	-.008	0	%100
17	SF1-TH	X	-.011	-.011	0	%100
18	SF2-TH	X	-.003	-.003	0	%100
19	GSI1	X	-.013	-.013	0	%100
20	GSI2	X	-.004	-.004	0	%100
21	GSI3	X	-.011	-.011	0	%100
22	GSI4	X	-.013	-.013	0	%100
23	GSI5	X	-.003	-.003	0	%100
24	GSI6	X	-.011	-.011	0	%100
25	INT1	X	-.003	-.003	0	%100
26	INT2	X	-.003	-.003	0	%100
27	INT3	X	-.001	-.001	0	%100
28	INT4	X	-.001	-.001	0	%100
29	INT5	X	-.005	-.005	0	%100
30	INT6	X	-.005	-.005	0	%100
31	MP-1	X	-.006	-.006	0	%100
32	MP-2	X	-.006	-.006	0	%100
33	MP-3	X	-.006	-.006	0	%100
34	MP-4	X	-.006	-.006	0	%100
35	MP-5	X	-.006	-.006	0	%100
36	MP-6	X	-.006	-.006	0	%100
37	MP-7	X	-.006	-.006	0	%100
38	MP-8	X	-.006	-.006	0	%100
39	MP-9	X	-.006	-.006	0	%100
40	M82	X	-.002	-.002	0	%100
41	M83	X	-.003	-.003	0	%100
42	M84	X	-.000718	-.000718	0	%100
43	SA1	X	-.012	-.012	0	%100
44	SA2	X	-.014	-.014	0	%100
45	SA3	X	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	FF-H	X	-.004	-.004	0	%100
47	FF-V1	X	-.006	-.006	0	%100
48	FF-V2	X	-.006	-.006	0	%100
49	FF-V3	X	-.006	-.006	0	%100
50	FF-V4	X	-.006	-.006	0	%100
51	FF-V5	X	-.006	-.006	0	%100
52	FF-V6	X	-.006	-.006	0	%100
53	SF1-H	X	-.005	-.005	0	%100
54	SF1-V1	X	-.006	-.006	0	%100
55	SF1-V2	X	-.006	-.006	0	%100
56	SF1-V3	X	-.006	-.006	0	%100
57	SF1-V4	X	-.006	-.006	0	%100
58	SF1-V5	X	-.006	-.006	0	%100
59	SF1-V6	X	-.006	-.006	0	%100
60	SF2-H	X	-.001	-.001	0	%100
61	SF2-V1	X	-.006	-.006	0	%100
62	SF2-V2	X	-.006	-.006	0	%100
63	SF2-V3	X	-.006	-.006	0	%100
64	SF2-V4	X	-.006	-.006	0	%100
65	SF2-V5	X	-.006	-.006	0	%100
66	SF2-V6	X	-.006	-.006	0	%100
67	RMP-3	X	-.005	-.005	0	%100
68	RMP-1	X	-.005	-.005	0	%100
69	RMP-2	X	-.005	-.005	0	%100
70	RMP-7	X	-.005	-.005	0	%100
71	RMP-6	X	-.005	-.005	0	%100
72	RMP-5	X	-.005	-.005	0	%100
73	RMP-4	X	-.005	-.005	0	%100
74	FF-D1	Z	.007	.007	0	%100
75	FF-D2	Z	.007	.007	0	%100
76	FF-D3	Z	.007	.007	0	%100
77	FF-D4	Z	.007	.007	0	%100
78	SF1-D1	Z	.007	.007	0	%100
79	SF1-D2	Z	.007	.007	0	%100
80	SF1-D3	Z	.007	.007	0	%100
81	SF1-D4	Z	.007	.007	0	%100
82	SF2-D1	Z	.007	.007	0	%100
83	SF2-D2	Z	.007	.007	0	%100
84	SF2-D3	Z	.007	.007	0	%100
85	SF2-D4	Z	.007	.007	0	%100
86	FF-BH	Z	.014	.014	0	%100
87	SF1-BH	Z	.019	.019	0	%100
88	SF2-BH	Z	.005	.005	0	%100
89	FF-TH	Z	.008	.008	0	%100
90	SF1-TH	Z	.011	.011	0	%100
91	SF2-TH	Z	.003	.003	0	%100
92	GSI1	Z	.015	.015	0	%100
93	GSI2	Z	.004	.004	0	%100
94	GSI3	Z	.011	.011	0	%100
95	GSI4	Z	.014	.014	0	%100
96	GSI5	Z	.004	.004	0	%100
97	GSI6	Z	.011	.011	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 16 : 315 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
98	INT1	Z	.004	.004	0	%100
99	INT2	Z	.004	.004	0	%100
100	INT3	Z	.001	.001	0	%100
101	INT4	Z	.001	.001	0	%100
102	INT5	Z	.005	.005	0	%100
103	INT6	Z	.005	.005	0	%100
104	MP-1	Z	.006	.006	0	%100
105	MP-2	Z	.006	.006	0	%100
106	MP-3	Z	.006	.006	0	%100
107	MP-4	Z	.006	.006	0	%100
108	MP-5	Z	.006	.006	0	%100
109	MP-6	Z	.006	.006	0	%100
110	MP-7	Z	.006	.006	0	%100
111	MP-8	Z	.006	.006	0	%100
112	MP-9	Z	.006	.006	0	%100
113	M82	Z	.002	.002	0	%100
114	M83	Z	.002	.002	0	%100
115	M84	Z	.000648	.000648	0	%100
116	SA1	Z	.012	.012	0	%100
117	SA2	Z	.015	.015	0	%100
118	SA3	Z	.004	.004	0	%100
119	FF-H	Z	.004	.004	0	%100
120	FF-V1	Z	.006	.006	0	%100
121	FF-V2	Z	.006	.006	0	%100
122	FF-V3	Z	.006	.006	0	%100
123	FF-V4	Z	.006	.006	0	%100
124	FF-V5	Z	.006	.006	0	%100
125	FF-V6	Z	.006	.006	0	%100
126	SF1-H	Z	.006	.006	0	%100
127	SF1-V1	Z	.006	.006	0	%100
128	SF1-V2	Z	.006	.006	0	%100
129	SF1-V3	Z	.006	.006	0	%100
130	SF1-V4	Z	.006	.006	0	%100
131	SF1-V5	Z	.006	.006	0	%100
132	SF1-V6	Z	.006	.006	0	%100
133	SF2-H	Z	.002	.002	0	%100
134	SF2-V1	Z	.006	.006	0	%100
135	SF2-V2	Z	.006	.006	0	%100
136	SF2-V3	Z	.006	.006	0	%100
137	SF2-V4	Z	.006	.006	0	%100
138	SF2-V5	Z	.006	.006	0	%100
139	SF2-V6	Z	.006	.006	0	%100
140	RMP-3	Z	.005	.005	0	%100
141	RMP-1	Z	.005	.005	0	%100
142	RMP-2	Z	.005	.005	0	%100
143	RMP-7	Z	.005	.005	0	%100
144	RMP-6	Z	.005	.005	0	%100
145	RMP-5	Z	.005	.005	0	%100
146	RMP-4	Z	.005	.005	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.008	-.008	0	%100
2	FF-D2	X	-.008	-.008	0	%100
3	FF-D3	X	-.008	-.008	0	%100
4	FF-D4	X	-.008	-.008	0	%100
5	SF1-D1	X	-.008	-.008	0	%100
6	SF1-D2	X	-.008	-.008	0	%100
7	SF1-D3	X	-.008	-.008	0	%100
8	SF1-D4	X	-.008	-.008	0	%100
9	SF2-D1	X	-.008	-.008	0	%100
10	SF2-D2	X	-.008	-.008	0	%100
11	SF2-D3	X	-.008	-.008	0	%100
12	SF2-D4	X	-.008	-.008	0	%100
13	FF-BH	X	-.021	-.021	0	%100
14	SF1-BH	X	-.019	-.019	0	%100
15	SF2-BH	X	0	0	0	%100
16	FF-TH	X	-.012	-.012	0	%100
17	SF1-TH	X	-.012	-.012	0	%100
18	SF2-TH	X	0	0	0	%100
19	GSI1	X	-.014	-.014	0	%100
20	GSI2	X	0	0	0	%100
21	GSI3	X	-.017	-.017	0	%100
22	GSI4	X	-.014	-.014	0	%100
23	GSI5	X	0	0	0	%100
24	GSI6	X	-.016	-.016	0	%100
25	INT1	X	-.002	-.002	0	%100
26	INT2	X	-.002	-.002	0	%100
27	INT3	X	-.003	-.003	0	%100
28	INT4	X	-.003	-.003	0	%100
29	INT5	X	-.007	-.007	0	%100
30	INT6	X	-.007	-.007	0	%100
31	MP-1	X	-.007	-.007	0	%100
32	MP-2	X	-.007	-.007	0	%100
33	MP-3	X	-.007	-.007	0	%100
34	MP-4	X	-.007	-.007	0	%100
35	MP-5	X	-.007	-.007	0	%100
36	MP-6	X	-.007	-.007	0	%100
37	MP-7	X	-.007	-.007	0	%100
38	MP-8	X	-.007	-.007	0	%100
39	MP-9	X	-.007	-.007	0	%100
40	M82	X	-.001	-.001	0	%100
41	M83	X	-.003	-.003	0	%100
42	M84	X	-.002	-.002	0	%100
43	SA1	X	-.018	-.018	0	%100
44	SA2	X	-.015	-.015	0	%100
45	SA3	X	0	0	0	%100
46	FF-H	X	-.007	-.007	0	%100
47	FF-V1	X	-.008	-.008	0	%100
48	FF-V2	X	-.008	-.008	0	%100
49	FF-V3	X	-.008	-.008	0	%100
50	FF-V4	X	-.008	-.008	0	%100
51	FF-V5	X	-.008	-.008	0	%100
52	FF-V6	X	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
Checked By: WHW

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	SF1-H	X	-.005	-.005	0	%100
54	SF1-V1	X	-.008	-.008	0	%100
55	SF1-V2	X	-.008	-.008	0	%100
56	SF1-V3	X	-.008	-.008	0	%100
57	SF1-V4	X	-.008	-.008	0	%100
58	SF1-V5	X	-.008	-.008	0	%100
59	SF1-V6	X	-.008	-.008	0	%100
60	SF2-H	X	0	0	0	%100
61	SF2-V1	X	-.008	-.008	0	%100
62	SF2-V2	X	-.008	-.008	0	%100
63	SF2-V3	X	-.008	-.008	0	%100
64	SF2-V4	X	-.008	-.008	0	%100
65	SF2-V5	X	-.008	-.008	0	%100
66	SF2-V6	X	-.008	-.008	0	%100
67	RMP-3	X	-.006	-.006	0	%100
68	RMP-1	X	-.006	-.006	0	%100
69	RMP-2	X	-.006	-.006	0	%100
70	RMP-7	X	-.006	-.006	0	%100
71	RMP-6	X	-.006	-.006	0	%100
72	RMP-5	X	-.006	-.006	0	%100
73	RMP-4	X	-.006	-.006	0	%100
74	FF-D1	Z	.005	.005	0	%100
75	FF-D2	Z	.005	.005	0	%100
76	FF-D3	Z	.005	.005	0	%100
77	FF-D4	Z	.005	.005	0	%100
78	SF1-D1	Z	.005	.005	0	%100
79	SF1-D2	Z	.005	.005	0	%100
80	SF1-D3	Z	.005	.005	0	%100
81	SF1-D4	Z	.005	.005	0	%100
82	SF2-D1	Z	.005	.005	0	%100
83	SF2-D2	Z	.005	.005	0	%100
84	SF2-D3	Z	.005	.005	0	%100
85	SF2-D4	Z	.005	.005	0	%100
86	FF-BH	Z	.012	.012	0	%100
87	SF1-BH	Z	.012	.012	0	%100
88	SF2-BH	Z	0	0	0	%100
89	FF-TH	Z	.007	.007	0	%100
90	SF1-TH	Z	.007	.007	0	%100
91	SF2-TH	Z	0	0	0	%100
92	GSI1	Z	.009	.009	0	%100
93	GSI2	Z	0	0	0	%100
94	GSI3	Z	.01	.01	0	%100
95	GSI4	Z	.009	.009	0	%100
96	GSI5	Z	0	0	0	%100
97	GSI6	Z	.009	.009	0	%100
98	INT1	Z	.002	.002	0	%100
99	INT2	Z	.002	.002	0	%100
100	INT3	Z	.002	.002	0	%100
101	INT4	Z	.002	.002	0	%100
102	INT5	Z	.003	.003	0	%100
103	INT6	Z	.003	.003	0	%100
104	MP-1	Z	.004	.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP-2	Z	.004	.004	0	%100
106	MP-3	Z	.004	.004	0	%100
107	MP-4	Z	.004	.004	0	%100
108	MP-5	Z	.004	.004	0	%100
109	MP-6	Z	.004	.004	0	%100
110	MP-7	Z	.004	.004	0	%100
111	MP-8	Z	.004	.004	0	%100
112	MP-9	Z	.004	.004	0	%100
113	M82	Z	.001	.001	0	%100
114	M83	Z	.002	.002	0	%100
115	M84	Z	.000886	.000886	0	%100
116	SA1	Z	.01	.01	0	%100
117	SA2	Z	.01	.01	0	%100
118	SA3	Z	0	0	0	%100
119	FF-H	Z	.004	.004	0	%100
120	FF-V1	Z	.004	.004	0	%100
121	FF-V2	Z	.004	.004	0	%100
122	FF-V3	Z	.004	.004	0	%100
123	FF-V4	Z	.004	.004	0	%100
124	FF-V5	Z	.004	.004	0	%100
125	FF-V6	Z	.004	.004	0	%100
126	SF1-H	Z	.004	.004	0	%100
127	SF1-V1	Z	.004	.004	0	%100
128	SF1-V2	Z	.004	.004	0	%100
129	SF1-V3	Z	.004	.004	0	%100
130	SF1-V4	Z	.004	.004	0	%100
131	SF1-V5	Z	.004	.004	0	%100
132	SF1-V6	Z	.004	.004	0	%100
133	SF2-H	Z	0	0	0	%100
134	SF2-V1	Z	.004	.004	0	%100
135	SF2-V2	Z	.004	.004	0	%100
136	SF2-V3	Z	.004	.004	0	%100
137	SF2-V4	Z	.004	.004	0	%100
138	SF2-V5	Z	.004	.004	0	%100
139	SF2-V6	Z	.004	.004	0	%100
140	RMP-3	Z	.003	.003	0	%100
141	RMP-1	Z	.003	.003	0	%100
142	RMP-2	Z	.003	.003	0	%100
143	RMP-7	Z	.003	.003	0	%100
144	RMP-6	Z	.003	.003	0	%100
145	RMP-5	Z	.003	.003	0	%100
146	RMP-4	Z	.003	.003	0	%100

Member Distributed Loads (BLC 18 : Ice Weight)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	Y	-.005	-.005	0	%100
2	FF-D2	Y	-.005	-.005	0	%100
3	FF-D3	Y	-.005	-.005	0	%100
4	FF-D4	Y	-.005	-.005	0	%100
5	SF1-D1	Y	-.005	-.005	0	%100
6	SF1-D2	Y	-.005	-.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	SF1-D3	Y	-.005	-.005	0	%100
8	SF1-D4	Y	-.005	-.005	0	%100
9	SF2-D1	Y	-.005	-.005	0	%100
10	SF2-D2	Y	-.005	-.005	0	%100
11	SF2-D3	Y	-.005	-.005	0	%100
12	SF2-D4	Y	-.005	-.005	0	%100
13	FF-BH	Y	-.012	-.012	0	%100
14	SF1-BH	Y	-.012	-.012	0	%100
15	SF2-BH	Y	-.012	-.012	0	%100
16	FF-TH	Y	-.008	-.008	0	%100
17	SF1-TH	Y	-.008	-.008	0	%100
18	SF2-TH	Y	-.008	-.008	0	%100
19	GSI1	Y	-.012	-.012	0	%100
20	GSI2	Y	-.012	-.012	0	%100
21	GSI3	Y	-.012	-.012	0	%100
22	GSI4	Y	-.013	-.013	0	%100
23	GSI5	Y	-.013	-.013	0	%100
24	GSI6	Y	-.013	-.013	0	%100
25	INT1	Y	-.005	-.005	0	%100
26	INT2	Y	-.005	-.005	0	%100
27	INT3	Y	-.005	-.005	0	%100
28	INT4	Y	-.005	-.005	0	%100
29	INT5	Y	-.005	-.005	0	%100
30	INT6	Y	-.005	-.005	0	%100
31	MP-1	Y	-.009	-.009	0	%100
32	MP-2	Y	-.009	-.009	0	%100
33	MP-3	Y	-.009	-.009	0	%100
34	MP-4	Y	-.009	-.009	0	%100
35	MP-5	Y	-.009	-.009	0	%100
36	MP-6	Y	-.009	-.009	0	%100
37	MP-7	Y	-.009	-.009	0	%100
38	MP-8	Y	-.009	-.009	0	%100
39	MP-9	Y	-.009	-.009	0	%100
40	M82	Y	-.028	-.028	0	%100
41	M83	Y	-.028	-.028	0	%100
42	M84	Y	-.028	-.028	0	%100
43	SA1	Y	-.014	-.014	0	%100
44	SA2	Y	-.014	-.014	0	%100
45	SA3	Y	-.014	-.014	0	%100
46	FF-H	Y	-.005	-.005	0	%100
47	FF-V1	Y	-.005	-.005	0	%100
48	FF-V2	Y	-.005	-.005	0	%100
49	FF-V3	Y	-.005	-.005	0	%100
50	FF-V4	Y	-.005	-.005	0	%100
51	FF-V5	Y	-.005	-.005	0	%100
52	FF-V6	Y	-.005	-.005	0	%100
53	SF1-H	Y	-.005	-.005	0	%100
54	SF1-V1	Y	-.005	-.005	0	%100
55	SF1-V2	Y	-.005	-.005	0	%100
56	SF1-V3	Y	-.005	-.005	0	%100
57	SF1-V4	Y	-.005	-.005	0	%100
58	SF1-V5	Y	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	SF1-V6	Y	-.005	-.005	0	%100
60	SF2-H	Y	-.005	-.005	0	%100
61	SF2-V1	Y	-.005	-.005	0	%100
62	SF2-V2	Y	-.005	-.005	0	%100
63	SF2-V3	Y	-.005	-.005	0	%100
64	SF2-V4	Y	-.005	-.005	0	%100
65	SF2-V5	Y	-.005	-.005	0	%100
66	SF2-V6	Y	-.005	-.005	0	%100
67	RMP-3	Y	-.01	-.01	0	%100
68	RMP-1	Y	-.009	-.009	0	%100
69	RMP-2	Y	-.01	-.01	0	%100
70	RMP-7	Y	-.01	-.01	0	%100
71	RMP-6	Y	-.01	-.01	0	%100
72	RMP-5	Y	-.01	-.01	0	%100
73	RMP-4	Y	-.01	-.01	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.004	-.004	0	%100
2	FF-D2	X	-.004	-.004	0	%100
3	FF-D3	X	-.004	-.004	0	%100
4	FF-D4	X	-.004	-.004	0	%100
5	SF1-D1	X	-.004	-.004	0	%100
6	SF1-D2	X	-.004	-.004	0	%100
7	SF1-D3	X	-.004	-.004	0	%100
8	SF1-D4	X	-.004	-.004	0	%100
9	SF2-D1	X	-.004	-.004	0	%100
10	SF2-D2	X	-.004	-.004	0	%100
11	SF2-D3	X	-.004	-.004	0	%100
12	SF2-D4	X	-.004	-.004	0	%100
13	FF-BH	X	-.008	-.008	0	%100
14	SF1-BH	X	-.007	-.007	0	%100
15	SF2-BH	X	-.007	-.007	0	%100
16	FF-TH	X	-.006	-.006	0	%100
17	SF1-TH	X	-.005	-.005	0	%100
18	SF2-TH	X	-.005	-.005	0	%100
19	GSI1	X	-.006	-.006	0	%100
20	GSI2	X	-.006	-.006	0	%100
21	GSI3	X	-.006	-.006	0	%100
22	GSI4	X	-.005	-.005	0	%100
23	GSI5	X	-.005	-.005	0	%100
24	GSI6	X	-.006	-.006	0	%100
25	INT1	X	-.003	-.003	0	%100
26	INT2	X	-.003	-.003	0	%100
27	INT3	X	-.004	-.004	0	%100
28	INT4	X	-.004	-.004	0	%100
29	INT5	X	-.004	-.004	0	%100
30	INT6	X	-.004	-.004	0	%100
31	MP-1	X	-.003	-.003	0	%100
32	MP-2	X	-.003	-.003	0	%100
33	MP-3	X	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP-4	X	-.003	-.003	0	%100
35	MP-5	X	-.003	-.003	0	%100
36	MP-6	X	-.003	-.003	0	%100
37	MP-7	X	-.003	-.003	0	%100
38	MP-8	X	-.003	-.003	0	%100
39	MP-9	X	-.003	-.003	0	%100
40	M82	X	-.004	-.004	0	%100
41	M83	X	-.004	-.004	0	%100
42	M84	X	-.004	-.004	0	%100
43	SA1	X	-.006	-.006	0	%100
44	SA2	X	-.006	-.006	0	%100
45	SA3	X	-.006	-.006	0	%100
46	FF-H	X	-.004	-.004	0	%100
47	FF-V1	X	-.004	-.004	0	%100
48	FF-V2	X	-.004	-.004	0	%100
49	FF-V3	X	-.004	-.004	0	%100
50	FF-V4	X	-.004	-.004	0	%100
51	FF-V5	X	-.004	-.004	0	%100
52	FF-V6	X	-.004	-.004	0	%100
53	SF1-H	X	-.004	-.004	0	%100
54	SF1-V1	X	-.004	-.004	0	%100
55	SF1-V2	X	-.004	-.004	0	%100
56	SF1-V3	X	-.004	-.004	0	%100
57	SF1-V4	X	-.004	-.004	0	%100
58	SF1-V5	X	-.004	-.004	0	%100
59	SF1-V6	X	-.004	-.004	0	%100
60	SF2-H	X	-.004	-.004	0	%100
61	SF2-V1	X	-.004	-.004	0	%100
62	SF2-V2	X	-.004	-.004	0	%100
63	SF2-V3	X	-.004	-.004	0	%100
64	SF2-V4	X	-.004	-.004	0	%100
65	SF2-V5	X	-.004	-.004	0	%100
66	SF2-V6	X	-.004	-.004	0	%100
67	RMP-3	X	-.002	-.002	0	%100
68	RMP-1	X	-.002	-.002	0	%100
69	RMP-2	X	-.002	-.002	0	%100
70	RMP-7	X	-.002	-.002	0	%100
71	RMP-6	X	-.002	-.002	0	%100
72	RMP-5	X	-.002	-.002	0	%100
73	RMP-4	X	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.003	-.003	0	%100
2	FF-D2	X	-.003	-.003	0	%100
3	FF-D3	X	-.003	-.003	0	%100
4	FF-D4	X	-.003	-.003	0	%100
5	SF1-D1	X	-.003	-.003	0	%100
6	SF1-D2	X	-.003	-.003	0	%100
7	SF1-D3	X	-.003	-.003	0	%100
8	SF1-D4	X	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	SF2-D1	X	-.003	-.003	0	%100
10	SF2-D2	X	-.003	-.003	0	%100
11	SF2-D3	X	-.003	-.003	0	%100
12	SF2-D4	X	-.003	-.003	0	%100
13	FF-BH	X	-.006	-.006	0	%100
14	SF1-BH	X	0	0	0	%100
15	SF2-BH	X	-.005	-.005	0	%100
16	FF-TH	X	-.005	-.005	0	%100
17	SF1-TH	X	0	0	0	%100
18	SF2-TH	X	-.004	-.004	0	%100
19	GSI1	X	0	0	0	%100
20	GSI2	X	-.004	-.004	0	%100
21	GSI3	X	-.005	-.005	0	%100
22	GSI4	X	0	0	0	%100
23	GSI5	X	-.004	-.004	0	%100
24	GSI6	X	-.005	-.005	0	%100
25	INT1	X	-.001	-.001	0	%100
26	INT2	X	-.001	-.001	0	%100
27	INT3	X	-.003	-.003	0	%100
28	INT4	X	-.003	-.003	0	%100
29	INT5	X	-.002	-.002	0	%100
30	INT6	X	-.002	-.002	0	%100
31	MP-1	X	-.002	-.002	0	%100
32	MP-2	X	-.002	-.002	0	%100
33	MP-3	X	-.002	-.002	0	%100
34	MP-4	X	-.002	-.002	0	%100
35	MP-5	X	-.002	-.002	0	%100
36	MP-6	X	-.002	-.002	0	%100
37	MP-7	X	-.002	-.002	0	%100
38	MP-8	X	-.002	-.002	0	%100
39	MP-9	X	-.002	-.002	0	%100
40	M82	X	-.002	-.002	0	%100
41	M83	X	-.002	-.002	0	%100
42	M84	X	-.003	-.003	0	%100
43	SA1	X	-.005	-.005	0	%100
44	SA2	X	0	0	0	%100
45	SA3	X	-.004	-.004	0	%100
46	FF-H	X	-.003	-.003	0	%100
47	FF-V1	X	-.003	-.003	0	%100
48	FF-V2	X	-.003	-.003	0	%100
49	FF-V3	X	-.003	-.003	0	%100
50	FF-V4	X	-.003	-.003	0	%100
51	FF-V5	X	-.003	-.003	0	%100
52	FF-V6	X	-.003	-.003	0	%100
53	SF1-H	X	0	0	0	%100
54	SF1-V1	X	-.003	-.003	0	%100
55	SF1-V2	X	-.003	-.003	0	%100
56	SF1-V3	X	-.003	-.003	0	%100
57	SF1-V4	X	-.003	-.003	0	%100
58	SF1-V5	X	-.003	-.003	0	%100
59	SF1-V6	X	-.003	-.003	0	%100
60	SF2-H	X	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 20 : 30 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	SF2-V1	X	-.003	-.003	0	%100
62	SF2-V2	X	-.003	-.003	0	%100
63	SF2-V3	X	-.003	-.003	0	%100
64	SF2-V4	X	-.003	-.003	0	%100
65	SF2-V5	X	-.003	-.003	0	%100
66	SF2-V6	X	-.003	-.003	0	%100
67	RMP-3	X	-.002	-.002	0	%100
68	RMP-1	X	-.002	-.002	0	%100
69	RMP-2	X	-.002	-.002	0	%100
70	RMP-7	X	-.002	-.002	0	%100
71	RMP-6	X	-.002	-.002	0	%100
72	RMP-5	X	-.002	-.002	0	%100
73	RMP-4	X	-.002	-.002	0	%100
74	FF-D1	Z	-.002	-.002	0	%100
75	FF-D2	Z	-.002	-.002	0	%100
76	FF-D3	Z	-.002	-.002	0	%100
77	FF-D4	Z	-.002	-.002	0	%100
78	SF1-D1	Z	-.002	-.002	0	%100
79	SF1-D2	Z	-.002	-.002	0	%100
80	SF1-D3	Z	-.002	-.002	0	%100
81	SF1-D4	Z	-.002	-.002	0	%100
82	SF2-D1	Z	-.002	-.002	0	%100
83	SF2-D2	Z	-.002	-.002	0	%100
84	SF2-D3	Z	-.002	-.002	0	%100
85	SF2-D4	Z	-.002	-.002	0	%100
86	FF-BH	Z	-.003	-.003	0	%100
87	SF1-BH	Z	0	0	0	%100
88	SF2-BH	Z	-.003	-.003	0	%100
89	FF-TH	Z	-.002	-.002	0	%100
90	SF1-TH	Z	0	0	0	%100
91	SF2-TH	Z	-.003	-.003	0	%100
92	GSI1	Z	0	0	0	%100
93	GSI2	Z	-.003	-.003	0	%100
94	GSI3	Z	-.002	-.002	0	%100
95	GSI4	Z	0	0	0	%100
96	GSI5	Z	-.003	-.003	0	%100
97	GSI6	Z	-.002	-.002	0	%100
98	INT1	Z	-.000959	-.000959	0	%100
99	INT2	Z	-.000959	-.000959	0	%100
100	INT3	Z	-.002	-.002	0	%100
101	INT4	Z	-.002	-.002	0	%100
102	INT5	Z	-.00088	-.00088	0	%100
103	INT6	Z	-.00088	-.00088	0	%100
104	MP-1	Z	-.001	-.001	0	%100
105	MP-2	Z	-.002	-.002	0	%100
106	MP-3	Z	-.002	-.002	0	%100
107	MP-4	Z	-.001	-.001	0	%100
108	MP-5	Z	-.002	-.002	0	%100
109	MP-6	Z	-.002	-.002	0	%100
110	MP-7	Z	-.001	-.001	0	%100
111	MP-8	Z	-.002	-.002	0	%100
112	MP-9	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M82	Z	-.000907	-.000907	0	%100
114	M83	Z	-.000897	-.000897	0	%100
115	M84	Z	-.002	-.002	0	%100
116	SA1	Z	-.003	-.003	0	%100
117	SA2	Z	0	0	0	%100
118	SA3	Z	-.003	-.003	0	%100
119	FF-H	Z	-.002	-.002	0	%100
120	FF-V1	Z	-.002	-.002	0	%100
121	FF-V2	Z	-.002	-.002	0	%100
122	FF-V3	Z	-.002	-.002	0	%100
123	FF-V4	Z	-.002	-.002	0	%100
124	FF-V5	Z	-.002	-.002	0	%100
125	FF-V6	Z	-.002	-.002	0	%100
126	SF1-H	Z	0	0	0	%100
127	SF1-V1	Z	-.002	-.002	0	%100
128	SF1-V2	Z	-.002	-.002	0	%100
129	SF1-V3	Z	-.002	-.002	0	%100
130	SF1-V4	Z	-.002	-.002	0	%100
131	SF1-V5	Z	-.002	-.002	0	%100
132	SF1-V6	Z	-.002	-.002	0	%100
133	SF2-H	Z	-.002	-.002	0	%100
134	SF2-V1	Z	-.002	-.002	0	%100
135	SF2-V2	Z	-.002	-.002	0	%100
136	SF2-V3	Z	-.002	-.002	0	%100
137	SF2-V4	Z	-.002	-.002	0	%100
138	SF2-V5	Z	-.002	-.002	0	%100
139	SF2-V6	Z	-.002	-.002	0	%100
140	RMP-3	Z	-.001	-.001	0	%100
141	RMP-1	Z	-.001	-.001	0	%100
142	RMP-2	Z	-.001	-.001	0	%100
143	RMP-7	Z	-.001	-.001	0	%100
144	RMP-6	Z	-.001	-.001	0	%100
145	RMP-5	Z	-.001	-.001	0	%100
146	RMP-4	Z	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.003	-.003	0	%100
2	FF-D2	X	-.003	-.003	0	%100
3	FF-D3	X	-.003	-.003	0	%100
4	FF-D4	X	-.003	-.003	0	%100
5	SF1-D1	X	-.003	-.003	0	%100
6	SF1-D2	X	-.003	-.003	0	%100
7	SF1-D3	X	-.003	-.003	0	%100
8	SF1-D4	X	-.003	-.003	0	%100
9	SF2-D1	X	-.003	-.003	0	%100
10	SF2-D2	X	-.003	-.003	0	%100
11	SF2-D3	X	-.003	-.003	0	%100
12	SF2-D4	X	-.003	-.003	0	%100
13	FF-BH	X	-.004	-.004	0	%100
14	SF1-BH	X	-.001	-.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 21 : 45 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	SF2-BH	X	-.004	-.004	0	%100
16	FF-TH	X	-.003	-.003	0	%100
17	SF1-TH	X	-.000964	-.000964	0	%100
18	SF2-TH	X	-.004	-.004	0	%100
19	GSI1	X	-.001	-.001	0	%100
20	GSI2	X	-.004	-.004	0	%100
21	GSI3	X	-.003	-.003	0	%100
22	GSI4	X	-.001	-.001	0	%100
23	GSI5	X	-.004	-.004	0	%100
24	GSI6	X	-.003	-.003	0	%100
25	INT1	X	-.002	-.002	0	%100
26	INT2	X	-.002	-.002	0	%100
27	INT3	X	-.003	-.003	0	%100
28	INT4	X	-.003	-.003	0	%100
29	INT5	X	-.000687	-.000687	0	%100
30	INT6	X	-.000687	-.000687	0	%100
31	MP-1	X	-.002	-.002	0	%100
32	MP-2	X	-.002	-.002	0	%100
33	MP-3	X	-.002	-.002	0	%100
34	MP-4	X	-.002	-.002	0	%100
35	MP-5	X	-.002	-.002	0	%100
36	MP-6	X	-.002	-.002	0	%100
37	MP-7	X	-.002	-.002	0	%100
38	MP-8	X	-.002	-.002	0	%100
39	MP-9	X	-.002	-.002	0	%100
40	M82	X	-.002	-.002	0	%100
41	M83	X	-.000658	-.000658	0	%100
42	M84	X	-.002	-.002	0	%100
43	SA1	X	-.003	-.003	0	%100
44	SA2	X	-.001	-.001	0	%100
45	SA3	X	-.004	-.004	0	%100
46	FF-H	X	-.002	-.002	0	%100
47	FF-V1	X	-.003	-.003	0	%100
48	FF-V2	X	-.003	-.003	0	%100
49	FF-V3	X	-.003	-.003	0	%100
50	FF-V4	X	-.003	-.003	0	%100
51	FF-V5	X	-.003	-.003	0	%100
52	FF-V6	X	-.003	-.003	0	%100
53	SF1-H	X	-.000645	-.000645	0	%100
54	SF1-V1	X	-.003	-.003	0	%100
55	SF1-V2	X	-.003	-.003	0	%100
56	SF1-V3	X	-.003	-.003	0	%100
57	SF1-V4	X	-.003	-.003	0	%100
58	SF1-V5	X	-.003	-.003	0	%100
59	SF1-V6	X	-.003	-.003	0	%100
60	SF2-H	X	-.002	-.002	0	%100
61	SF2-V1	X	-.003	-.003	0	%100
62	SF2-V2	X	-.003	-.003	0	%100
63	SF2-V3	X	-.003	-.003	0	%100
64	SF2-V4	X	-.003	-.003	0	%100
65	SF2-V5	X	-.003	-.003	0	%100
66	SF2-V6	X	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	RMP-3	X	-.002	-.002	0	%100
68	RMP-1	X	-.002	-.002	0	%100
69	RMP-2	X	-.002	-.002	0	%100
70	RMP-7	X	-.002	-.002	0	%100
71	RMP-6	X	-.002	-.002	0	%100
72	RMP-5	X	-.002	-.002	0	%100
73	RMP-4	X	-.002	-.002	0	%100
74	FF-D1	Z	-.003	-.003	0	%100
75	FF-D2	Z	-.003	-.003	0	%100
76	FF-D3	Z	-.003	-.003	0	%100
77	FF-D4	Z	-.003	-.003	0	%100
78	SF1-D1	Z	-.003	-.003	0	%100
79	SF1-D2	Z	-.003	-.003	0	%100
80	SF1-D3	Z	-.003	-.003	0	%100
81	SF1-D4	Z	-.003	-.003	0	%100
82	SF2-D1	Z	-.003	-.003	0	%100
83	SF2-D2	Z	-.003	-.003	0	%100
84	SF2-D3	Z	-.003	-.003	0	%100
85	SF2-D4	Z	-.003	-.003	0	%100
86	FF-BH	Z	-.004	-.004	0	%100
87	SF1-BH	Z	-.001	-.001	0	%100
88	SF2-BH	Z	-.005	-.005	0	%100
89	FF-TH	Z	-.003	-.003	0	%100
90	SF1-TH	Z	-.001	-.001	0	%100
91	SF2-TH	Z	-.004	-.004	0	%100
92	GSI1	Z	-.001	-.001	0	%100
93	GSI2	Z	-.004	-.004	0	%100
94	GSI3	Z	-.003	-.003	0	%100
95	GSI4	Z	-.001	-.001	0	%100
96	GSI5	Z	-.004	-.004	0	%100
97	GSI6	Z	-.003	-.003	0	%100
98	INT1	Z	-.002	-.002	0	%100
99	INT2	Z	-.002	-.002	0	%100
100	INT3	Z	-.002	-.002	0	%100
101	INT4	Z	-.002	-.002	0	%100
102	INT5	Z	-.000644	-.000644	0	%100
103	INT6	Z	-.000644	-.000644	0	%100
104	MP-1	Z	-.002	-.002	0	%100
105	MP-2	Z	-.002	-.002	0	%100
106	MP-3	Z	-.002	-.002	0	%100
107	MP-4	Z	-.002	-.002	0	%100
108	MP-5	Z	-.002	-.002	0	%100
109	MP-6	Z	-.002	-.002	0	%100
110	MP-7	Z	-.002	-.002	0	%100
111	MP-8	Z	-.002	-.002	0	%100
112	MP-9	Z	-.002	-.002	0	%100
113	M82	Z	-.002	-.002	0	%100
114	M83	Z	-.000657	-.000657	0	%100
115	M84	Z	-.002	-.002	0	%100
116	SA1	Z	-.003	-.003	0	%100
117	SA2	Z	-.001	-.001	0	%100
118	SA3	Z	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
119	FF-H	Z	-.002	-.002	0	%100
120	FF-V1	Z	-.003	-.003	0	%100
121	FF-V2	Z	-.003	-.003	0	%100
122	FF-V3	Z	-.003	-.003	0	%100
123	FF-V4	Z	-.003	-.003	0	%100
124	FF-V5	Z	-.003	-.003	0	%100
125	FF-V6	Z	-.003	-.003	0	%100
126	SF1-H	Z	-.000702	-.000702	0	%100
127	SF1-V1	Z	-.003	-.003	0	%100
128	SF1-V2	Z	-.003	-.003	0	%100
129	SF1-V3	Z	-.003	-.003	0	%100
130	SF1-V4	Z	-.003	-.003	0	%100
131	SF1-V5	Z	-.003	-.003	0	%100
132	SF1-V6	Z	-.003	-.003	0	%100
133	SF2-H	Z	-.003	-.003	0	%100
134	SF2-V1	Z	-.003	-.003	0	%100
135	SF2-V2	Z	-.003	-.003	0	%100
136	SF2-V3	Z	-.003	-.003	0	%100
137	SF2-V4	Z	-.003	-.003	0	%100
138	SF2-V5	Z	-.003	-.003	0	%100
139	SF2-V6	Z	-.003	-.003	0	%100
140	RMP-3	Z	-.002	-.002	0	%100
141	RMP-1	Z	-.002	-.002	0	%100
142	RMP-2	Z	-.002	-.002	0	%100
143	RMP-7	Z	-.002	-.002	0	%100
144	RMP-6	Z	-.002	-.002	0	%100
145	RMP-5	Z	-.002	-.002	0	%100
146	RMP-4	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.002	-.002	0	%100
2	FF-D2	X	-.002	-.002	0	%100
3	FF-D3	X	-.002	-.002	0	%100
4	FF-D4	X	-.002	-.002	0	%100
5	SF1-D1	X	-.002	-.002	0	%100
6	SF1-D2	X	-.002	-.002	0	%100
7	SF1-D3	X	-.002	-.002	0	%100
8	SF1-D4	X	-.002	-.002	0	%100
9	SF2-D1	X	-.002	-.002	0	%100
10	SF2-D2	X	-.002	-.002	0	%100
11	SF2-D3	X	-.002	-.002	0	%100
12	SF2-D4	X	-.002	-.002	0	%100
13	FF-BH	X	-.002	-.002	0	%100
14	SF1-BH	X	-.002	-.002	0	%100
15	SF2-BH	X	-.003	-.003	0	%100
16	FF-TH	X	-.002	-.002	0	%100
17	SF1-TH	X	-.001	-.001	0	%100
18	SF2-TH	X	-.003	-.003	0	%100
19	GSI1	X	-.001	-.001	0	%100
20	GSI2	X	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	GSI3	X	-.002	-.002	0	%100
22	GSI4	X	-.001	-.001	0	%100
23	GSI5	X	-.003	-.003	0	%100
24	GSI6	X	-.002	-.002	0	%100
25	INT1	X	-.001	-.001	0	%100
26	INT2	X	-.001	-.001	0	%100
27	INT3	X	-.002	-.002	0	%100
28	INT4	X	-.002	-.002	0	%100
29	INT5	X	0	0	0	%100
30	INT6	X	0	0	0	%100
31	MP-1	X	-.001	-.001	0	%100
32	MP-2	X	-.001	-.001	0	%100
33	MP-3	X	-.001	-.001	0	%100
34	MP-4	X	-.001	-.001	0	%100
35	MP-5	X	-.001	-.001	0	%100
36	MP-6	X	-.001	-.001	0	%100
37	MP-7	X	-.001	-.001	0	%100
38	MP-8	X	-.001	-.001	0	%100
39	MP-9	X	-.001	-.001	0	%100
40	M82	X	-.002	-.002	0	%100
41	M83	X	0	0	0	%100
42	M84	X	-.002	-.002	0	%100
43	SA1	X	-.002	-.002	0	%100
44	SA2	X	-.001	-.001	0	%100
45	SA3	X	-.003	-.003	0	%100
46	FF-H	X	-.000983	-.000983	0	%100
47	FF-V1	X	-.002	-.002	0	%100
48	FF-V2	X	-.002	-.002	0	%100
49	FF-V3	X	-.002	-.002	0	%100
50	FF-V4	X	-.002	-.002	0	%100
51	FF-V5	X	-.002	-.002	0	%100
52	FF-V6	X	-.002	-.002	0	%100
53	SF1-H	X	-.000881	-.000881	0	%100
54	SF1-V1	X	-.002	-.002	0	%100
55	SF1-V2	X	-.002	-.002	0	%100
56	SF1-V3	X	-.002	-.002	0	%100
57	SF1-V4	X	-.002	-.002	0	%100
58	SF1-V5	X	-.002	-.002	0	%100
59	SF1-V6	X	-.002	-.002	0	%100
60	SF2-H	X	-.002	-.002	0	%100
61	SF2-V1	X	-.002	-.002	0	%100
62	SF2-V2	X	-.002	-.002	0	%100
63	SF2-V3	X	-.002	-.002	0	%100
64	SF2-V4	X	-.002	-.002	0	%100
65	SF2-V5	X	-.002	-.002	0	%100
66	SF2-V6	X	-.002	-.002	0	%100
67	RMP-3	X	-.001	-.001	0	%100
68	RMP-1	X	-.001	-.001	0	%100
69	RMP-2	X	-.001	-.001	0	%100
70	RMP-7	X	-.001	-.001	0	%100
71	RMP-6	X	-.001	-.001	0	%100
72	RMP-5	X	-.001	-.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
Checked By: WHW

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	RMP-4	X	-.001	-.001	0	%100
74	FF-D1	Z	-.004	-.004	0	%100
75	FF-D2	Z	-.004	-.004	0	%100
76	FF-D3	Z	-.004	-.004	0	%100
77	FF-D4	Z	-.004	-.004	0	%100
78	SF1-D1	Z	-.004	-.004	0	%100
79	SF1-D2	Z	-.004	-.004	0	%100
80	SF1-D3	Z	-.004	-.004	0	%100
81	SF1-D4	Z	-.004	-.004	0	%100
82	SF2-D1	Z	-.004	-.004	0	%100
83	SF2-D2	Z	-.004	-.004	0	%100
84	SF2-D3	Z	-.004	-.004	0	%100
85	SF2-D4	Z	-.004	-.004	0	%100
86	FF-BH	Z	-.003	-.003	0	%100
87	SF1-BH	Z	-.003	-.003	0	%100
88	SF2-BH	Z	-.007	-.007	0	%100
89	FF-TH	Z	-.002	-.002	0	%100
90	SF1-TH	Z	-.003	-.003	0	%100
91	SF2-TH	Z	-.005	-.005	0	%100
92	GSI1	Z	-.003	-.003	0	%100
93	GSI2	Z	-.005	-.005	0	%100
94	GSI3	Z	-.002	-.002	0	%100
95	GSI4	Z	-.003	-.003	0	%100
96	GSI5	Z	-.005	-.005	0	%100
97	GSI6	Z	-.002	-.002	0	%100
98	INT1	Z	-.003	-.003	0	%100
99	INT2	Z	-.003	-.003	0	%100
100	INT3	Z	-.003	-.003	0	%100
101	INT4	Z	-.003	-.003	0	%100
102	INT5	Z	0	0	0	%100
103	INT6	Z	0	0	0	%100
104	MP-1	Z	-.002	-.002	0	%100
105	MP-2	Z	-.003	-.003	0	%100
106	MP-3	Z	-.003	-.003	0	%100
107	MP-4	Z	-.002	-.002	0	%100
108	MP-5	Z	-.003	-.003	0	%100
109	MP-6	Z	-.003	-.003	0	%100
110	MP-7	Z	-.002	-.002	0	%100
111	MP-8	Z	-.003	-.003	0	%100
112	MP-9	Z	-.003	-.003	0	%100
113	M82	Z	-.003	-.003	0	%100
114	M83	Z	0	0	0	%100
115	M84	Z	-.003	-.003	0	%100
116	SA1	Z	-.003	-.003	0	%100
117	SA2	Z	-.003	-.003	0	%100
118	SA3	Z	-.005	-.005	0	%100
119	FF-H	Z	-.002	-.002	0	%100
120	FF-V1	Z	-.003	-.003	0	%100
121	FF-V2	Z	-.003	-.003	0	%100
122	FF-V3	Z	-.003	-.003	0	%100
123	FF-V4	Z	-.003	-.003	0	%100
124	FF-V5	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
125	FF-V6	Z	-.003	-.003	0	%100
126	SF1-H	Z	-.002	-.002	0	%100
127	SF1-V1	Z	-.003	-.003	0	%100
128	SF1-V2	Z	-.003	-.003	0	%100
129	SF1-V3	Z	-.003	-.003	0	%100
130	SF1-V4	Z	-.003	-.003	0	%100
131	SF1-V5	Z	-.003	-.003	0	%100
132	SF1-V6	Z	-.003	-.003	0	%100
133	SF2-H	Z	-.003	-.003	0	%100
134	SF2-V1	Z	-.003	-.003	0	%100
135	SF2-V2	Z	-.003	-.003	0	%100
136	SF2-V3	Z	-.003	-.003	0	%100
137	SF2-V4	Z	-.003	-.003	0	%100
138	SF2-V5	Z	-.003	-.003	0	%100
139	SF2-V6	Z	-.003	-.003	0	%100
140	RMP-3	Z	-.002	-.002	0	%100
141	RMP-1	Z	-.002	-.002	0	%100
142	RMP-2	Z	-.002	-.002	0	%100
143	RMP-7	Z	-.002	-.002	0	%100
144	RMP-6	Z	-.002	-.002	0	%100
145	RMP-5	Z	-.002	-.002	0	%100
146	RMP-4	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	Z	-.004	-.004	0	%100
2	FF-D2	Z	-.004	-.004	0	%100
3	FF-D3	Z	-.004	-.004	0	%100
4	FF-D4	Z	-.004	-.004	0	%100
5	SF1-D1	Z	-.004	-.004	0	%100
6	SF1-D2	Z	-.004	-.004	0	%100
7	SF1-D3	Z	-.004	-.004	0	%100
8	SF1-D4	Z	-.004	-.004	0	%100
9	SF2-D1	Z	-.004	-.004	0	%100
10	SF2-D2	Z	-.004	-.004	0	%100
11	SF2-D3	Z	-.004	-.004	0	%100
12	SF2-D4	Z	-.004	-.004	0	%100
13	FF-BH	Z	0	0	0	%100
14	SF1-BH	Z	-.007	-.007	0	%100
15	SF2-BH	Z	-.007	-.007	0	%100
16	FF-TH	Z	0	0	0	%100
17	SF1-TH	Z	-.005	-.005	0	%100
18	SF2-TH	Z	-.005	-.005	0	%100
19	GSI1	Z	-.005	-.005	0	%100
20	GSI2	Z	-.005	-.005	0	%100
21	GSI3	Z	0	0	0	%100
22	GSI4	Z	-.005	-.005	0	%100
23	GSI5	Z	-.005	-.005	0	%100
24	GSI6	Z	0	0	0	%100
25	INT1	Z	-.004	-.004	0	%100
26	INT2	Z	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 23 : 90 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	INT3	Z	-.002	-.002	0	%100
28	INT4	Z	-.002	-.002	0	%100
29	INT5	Z	-.002	-.002	0	%100
30	INT6	Z	-.002	-.002	0	%100
31	MP-1	Z	-.003	-.003	0	%100
32	MP-2	Z	-.003	-.003	0	%100
33	MP-3	Z	-.003	-.003	0	%100
34	MP-4	Z	-.003	-.003	0	%100
35	MP-5	Z	-.003	-.003	0	%100
36	MP-6	Z	-.003	-.003	0	%100
37	MP-7	Z	-.003	-.003	0	%100
38	MP-8	Z	-.003	-.003	0	%100
39	MP-9	Z	-.003	-.003	0	%100
40	M82	Z	-.004	-.004	0	%100
41	M83	Z	-.002	-.002	0	%100
42	M84	Z	-.002	-.002	0	%100
43	SA1	Z	0	0	0	%100
44	SA2	Z	-.005	-.005	0	%100
45	SA3	Z	-.005	-.005	0	%100
46	FF-H	Z	0	0	0	%100
47	FF-V1	Z	-.004	-.004	0	%100
48	FF-V2	Z	-.004	-.004	0	%100
49	FF-V3	Z	-.004	-.004	0	%100
50	FF-V4	Z	-.004	-.004	0	%100
51	FF-V5	Z	-.004	-.004	0	%100
52	FF-V6	Z	-.004	-.004	0	%100
53	SF1-H	Z	-.003	-.003	0	%100
54	SF1-V1	Z	-.004	-.004	0	%100
55	SF1-V2	Z	-.004	-.004	0	%100
56	SF1-V3	Z	-.004	-.004	0	%100
57	SF1-V4	Z	-.004	-.004	0	%100
58	SF1-V5	Z	-.004	-.004	0	%100
59	SF1-V6	Z	-.004	-.004	0	%100
60	SF2-H	Z	-.003	-.003	0	%100
61	SF2-V1	Z	-.004	-.004	0	%100
62	SF2-V2	Z	-.004	-.004	0	%100
63	SF2-V3	Z	-.004	-.004	0	%100
64	SF2-V4	Z	-.004	-.004	0	%100
65	SF2-V5	Z	-.004	-.004	0	%100
66	SF2-V6	Z	-.004	-.004	0	%100
67	RMP-3	Z	-.002	-.002	0	%100
68	RMP-1	Z	-.003	-.003	0	%100
69	RMP-2	Z	-.002	-.002	0	%100
70	RMP-7	Z	-.002	-.002	0	%100
71	RMP-6	Z	-.002	-.002	0	%100
72	RMP-5	Z	-.002	-.002	0	%100
73	RMP-4	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	FF-D2	X	.002	.002	0	%100
3	FF-D3	X	.002	.002	0	%100
4	FF-D4	X	.002	.002	0	%100
5	SF1-D1	X	.002	.002	0	%100
6	SF1-D2	X	.002	.002	0	%100
7	SF1-D3	X	.002	.002	0	%100
8	SF1-D4	X	.002	.002	0	%100
9	SF2-D1	X	.002	.002	0	%100
10	SF2-D2	X	.002	.002	0	%100
11	SF2-D3	X	.002	.002	0	%100
12	SF2-D4	X	.002	.002	0	%100
13	FF-BH	X	.002	.002	0	%100
14	SF1-BH	X	.003	.003	0	%100
15	SF2-BH	X	.002	.002	0	%100
16	FF-TH	X	.002	.002	0	%100
17	SF1-TH	X	.003	.003	0	%100
18	SF2-TH	X	.001	.001	0	%100
19	GSI1	X	.003	.003	0	%100
20	GSI2	X	.001	.001	0	%100
21	GSI3	X	.002	.002	0	%100
22	GSI4	X	.003	.003	0	%100
23	GSI5	X	.001	.001	0	%100
24	GSI6	X	.002	.002	0	%100
25	INT1	X	.001	.001	0	%100
26	INT2	X	.001	.001	0	%100
27	INT3	X	0	0	0	%100
28	INT4	X	0	0	0	%100
29	INT5	X	.002	.002	0	%100
30	INT6	X	.002	.002	0	%100
31	MP-1	X	.001	.001	0	%100
32	MP-2	X	.001	.001	0	%100
33	MP-3	X	.001	.001	0	%100
34	MP-4	X	.001	.001	0	%100
35	MP-5	X	.001	.001	0	%100
36	MP-6	X	.001	.001	0	%100
37	MP-7	X	.001	.001	0	%100
38	MP-8	X	.001	.001	0	%100
39	MP-9	X	.001	.001	0	%100
40	M82	X	.002	.002	0	%100
41	M83	X	.002	.002	0	%100
42	M84	X	0	0	0	%100
43	SA1	X	.002	.002	0	%100
44	SA2	X	.003	.003	0	%100
45	SA3	X	.001	.001	0	%100
46	FF-H	X	.000983	.000983	0	%100
47	FF-V1	X	.002	.002	0	%100
48	FF-V2	X	.002	.002	0	%100
49	FF-V3	X	.002	.002	0	%100
50	FF-V4	X	.002	.002	0	%100
51	FF-V5	X	.002	.002	0	%100
52	FF-V6	X	.002	.002	0	%100
53	SF1-H	X	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
54	SF1-V1	X	.002	.002	0	%100
55	SF1-V2	X	.002	.002	0	%100
56	SF1-V3	X	.002	.002	0	%100
57	SF1-V4	X	.002	.002	0	%100
58	SF1-V5	X	.002	.002	0	%100
59	SF1-V6	X	.002	.002	0	%100
60	SF2-H	X	.000881	.000881	0	%100
61	SF2-V1	X	.002	.002	0	%100
62	SF2-V2	X	.002	.002	0	%100
63	SF2-V3	X	.002	.002	0	%100
64	SF2-V4	X	.002	.002	0	%100
65	SF2-V5	X	.002	.002	0	%100
66	SF2-V6	X	.002	.002	0	%100
67	RMP-3	X	.001	.001	0	%100
68	RMP-1	X	.001	.001	0	%100
69	RMP-2	X	.001	.001	0	%100
70	RMP-7	X	.001	.001	0	%100
71	RMP-6	X	.001	.001	0	%100
72	RMP-5	X	.001	.001	0	%100
73	RMP-4	X	.001	.001	0	%100
74	FF-D1	Z	-.004	-.004	0	%100
75	FF-D2	Z	-.004	-.004	0	%100
76	FF-D3	Z	-.004	-.004	0	%100
77	FF-D4	Z	-.004	-.004	0	%100
78	SF1-D1	Z	-.004	-.004	0	%100
79	SF1-D2	Z	-.004	-.004	0	%100
80	SF1-D3	Z	-.004	-.004	0	%100
81	SF1-D4	Z	-.004	-.004	0	%100
82	SF2-D1	Z	-.004	-.004	0	%100
83	SF2-D2	Z	-.004	-.004	0	%100
84	SF2-D3	Z	-.004	-.004	0	%100
85	SF2-D4	Z	-.004	-.004	0	%100
86	FF-BH	Z	-.003	-.003	0	%100
87	SF1-BH	Z	-.007	-.007	0	%100
88	SF2-BH	Z	-.003	-.003	0	%100
89	FF-TH	Z	-.002	-.002	0	%100
90	SF1-TH	Z	-.005	-.005	0	%100
91	SF2-TH	Z	-.003	-.003	0	%100
92	GSI1	Z	-.005	-.005	0	%100
93	GSI2	Z	-.003	-.003	0	%100
94	GSI3	Z	-.002	-.002	0	%100
95	GSI4	Z	-.005	-.005	0	%100
96	GSI5	Z	-.003	-.003	0	%100
97	GSI6	Z	-.002	-.002	0	%100
98	INT1	Z	-.003	-.003	0	%100
99	INT2	Z	-.003	-.003	0	%100
100	INT3	Z	0	0	0	%100
101	INT4	Z	0	0	0	%100
102	INT5	Z	-.003	-.003	0	%100
103	INT6	Z	-.003	-.003	0	%100
104	MP-1	Z	-.002	-.002	0	%100
105	MP-2	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
106	MP-3	Z	-.003	-.003	0	%100
107	MP-4	Z	-.002	-.002	0	%100
108	MP-5	Z	-.003	-.003	0	%100
109	MP-6	Z	-.003	-.003	0	%100
110	MP-7	Z	-.002	-.002	0	%100
111	MP-8	Z	-.003	-.003	0	%100
112	MP-9	Z	-.003	-.003	0	%100
113	M82	Z	-.003	-.003	0	%100
114	M83	Z	-.003	-.003	0	%100
115	M84	Z	0	0	0	%100
116	SA1	Z	-.003	-.003	0	%100
117	SA2	Z	-.005	-.005	0	%100
118	SA3	Z	-.003	-.003	0	%100
119	FF-H	Z	-.002	-.002	0	%100
120	FF-V1	Z	-.003	-.003	0	%100
121	FF-V2	Z	-.003	-.003	0	%100
122	FF-V3	Z	-.003	-.003	0	%100
123	FF-V4	Z	-.003	-.003	0	%100
124	FF-V5	Z	-.003	-.003	0	%100
125	FF-V6	Z	-.003	-.003	0	%100
126	SF1-H	Z	-.003	-.003	0	%100
127	SF1-V1	Z	-.003	-.003	0	%100
128	SF1-V2	Z	-.003	-.003	0	%100
129	SF1-V3	Z	-.003	-.003	0	%100
130	SF1-V4	Z	-.003	-.003	0	%100
131	SF1-V5	Z	-.003	-.003	0	%100
132	SF1-V6	Z	-.003	-.003	0	%100
133	SF2-H	Z	-.002	-.002	0	%100
134	SF2-V1	Z	-.003	-.003	0	%100
135	SF2-V2	Z	-.003	-.003	0	%100
136	SF2-V3	Z	-.003	-.003	0	%100
137	SF2-V4	Z	-.003	-.003	0	%100
138	SF2-V5	Z	-.003	-.003	0	%100
139	SF2-V6	Z	-.003	-.003	0	%100
140	RMP-3	Z	-.002	-.002	0	%100
141	RMP-1	Z	-.002	-.002	0	%100
142	RMP-2	Z	-.002	-.002	0	%100
143	RMP-7	Z	-.002	-.002	0	%100
144	RMP-6	Z	-.002	-.002	0	%100
145	RMP-5	Z	-.002	-.002	0	%100
146	RMP-4	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.003	.003	0	%100
2	FF-D2	X	.003	.003	0	%100
3	FF-D3	X	.003	.003	0	%100
4	FF-D4	X	.003	.003	0	%100
5	SF1-D1	X	.003	.003	0	%100
6	SF1-D2	X	.003	.003	0	%100
7	SF1-D3	X	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	SF1-D4	X	.003	.003	0	%100
9	SF2-D1	X	.003	.003	0	%100
10	SF2-D2	X	.003	.003	0	%100
11	SF2-D3	X	.003	.003	0	%100
12	SF2-D4	X	.003	.003	0	%100
13	FF-BH	X	.004	.004	0	%100
14	SF1-BH	X	.004	.004	0	%100
15	SF2-BH	X	.001	.001	0	%100
16	FF-TH	X	.003	.003	0	%100
17	SF1-TH	X	.004	.004	0	%100
18	SF2-TH	X	.000964	.000964	0	%100
19	GSI1	X	.004	.004	0	%100
20	GSI2	X	.001	.001	0	%100
21	GSI3	X	.003	.003	0	%100
22	GSI4	X	.004	.004	0	%100
23	GSI5	X	.001	.001	0	%100
24	GSI6	X	.003	.003	0	%100
25	INT1	X	.002	.002	0	%100
26	INT2	X	.002	.002	0	%100
27	INT3	X	.000687	.000687	0	%100
28	INT4	X	.000687	.000687	0	%100
29	INT5	X	.003	.003	0	%100
30	INT6	X	.003	.003	0	%100
31	MP-1	X	.002	.002	0	%100
32	MP-2	X	.002	.002	0	%100
33	MP-3	X	.002	.002	0	%100
34	MP-4	X	.002	.002	0	%100
35	MP-5	X	.002	.002	0	%100
36	MP-6	X	.002	.002	0	%100
37	MP-7	X	.002	.002	0	%100
38	MP-8	X	.002	.002	0	%100
39	MP-9	X	.002	.002	0	%100
40	M82	X	.002	.002	0	%100
41	M83	X	.002	.002	0	%100
42	M84	X	.000658	.000658	0	%100
43	SA1	X	.003	.003	0	%100
44	SA2	X	.004	.004	0	%100
45	SA3	X	.001	.001	0	%100
46	FF-H	X	.002	.002	0	%100
47	FF-V1	X	.003	.003	0	%100
48	FF-V2	X	.003	.003	0	%100
49	FF-V3	X	.003	.003	0	%100
50	FF-V4	X	.003	.003	0	%100
51	FF-V5	X	.003	.003	0	%100
52	FF-V6	X	.003	.003	0	%100
53	SF1-H	X	.002	.002	0	%100
54	SF1-V1	X	.003	.003	0	%100
55	SF1-V2	X	.003	.003	0	%100
56	SF1-V3	X	.003	.003	0	%100
57	SF1-V4	X	.003	.003	0	%100
58	SF1-V5	X	.003	.003	0	%100
59	SF1-V6	X	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
60	SF2-H	X	.000645	.000645	0	%100
61	SF2-V1	X	.003	.003	0	%100
62	SF2-V2	X	.003	.003	0	%100
63	SF2-V3	X	.003	.003	0	%100
64	SF2-V4	X	.003	.003	0	%100
65	SF2-V5	X	.003	.003	0	%100
66	SF2-V6	X	.003	.003	0	%100
67	RMP-3	X	.002	.002	0	%100
68	RMP-1	X	.002	.002	0	%100
69	RMP-2	X	.002	.002	0	%100
70	RMP-7	X	.002	.002	0	%100
71	RMP-6	X	.002	.002	0	%100
72	RMP-5	X	.002	.002	0	%100
73	RMP-4	X	.002	.002	0	%100
74	FF-D1	Z	-.003	-.003	0	%100
75	FF-D2	Z	-.003	-.003	0	%100
76	FF-D3	Z	-.003	-.003	0	%100
77	FF-D4	Z	-.003	-.003	0	%100
78	SF1-D1	Z	-.003	-.003	0	%100
79	SF1-D2	Z	-.003	-.003	0	%100
80	SF1-D3	Z	-.003	-.003	0	%100
81	SF1-D4	Z	-.003	-.003	0	%100
82	SF2-D1	Z	-.003	-.003	0	%100
83	SF2-D2	Z	-.003	-.003	0	%100
84	SF2-D3	Z	-.003	-.003	0	%100
85	SF2-D4	Z	-.003	-.003	0	%100
86	FF-BH	Z	-.004	-.004	0	%100
87	SF1-BH	Z	-.005	-.005	0	%100
88	SF2-BH	Z	-.001	-.001	0	%100
89	FF-TH	Z	-.003	-.003	0	%100
90	SF1-TH	Z	-.004	-.004	0	%100
91	SF2-TH	Z	-.001	-.001	0	%100
92	GSI1	Z	-.004	-.004	0	%100
93	GSI2	Z	-.001	-.001	0	%100
94	GSI3	Z	-.003	-.003	0	%100
95	GSI4	Z	-.004	-.004	0	%100
96	GSI5	Z	-.001	-.001	0	%100
97	GSI6	Z	-.003	-.003	0	%100
98	INT1	Z	-.002	-.002	0	%100
99	INT2	Z	-.002	-.002	0	%100
100	INT3	Z	-.000644	-.000644	0	%100
101	INT4	Z	-.000644	-.000644	0	%100
102	INT5	Z	-.002	-.002	0	%100
103	INT6	Z	-.002	-.002	0	%100
104	MP-1	Z	-.002	-.002	0	%100
105	MP-2	Z	-.002	-.002	0	%100
106	MP-3	Z	-.002	-.002	0	%100
107	MP-4	Z	-.002	-.002	0	%100
108	MP-5	Z	-.002	-.002	0	%100
109	MP-6	Z	-.002	-.002	0	%100
110	MP-7	Z	-.002	-.002	0	%100
111	MP-8	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 25 : 135 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
112	MP-9	Z	-.002	-.002	0	%100
113	M82	Z	-.002	-.002	0	%100
114	M83	Z	-.002	-.002	0	%100
115	M84	Z	-.000657	-.000657	0	%100
116	SA1	Z	-.003	-.003	0	%100
117	SA2	Z	-.004	-.004	0	%100
118	SA3	Z	-.001	-.001	0	%100
119	FF-H	Z	-.002	-.002	0	%100
120	FF-V1	Z	-.003	-.003	0	%100
121	FF-V2	Z	-.003	-.003	0	%100
122	FF-V3	Z	-.003	-.003	0	%100
123	FF-V4	Z	-.003	-.003	0	%100
124	FF-V5	Z	-.003	-.003	0	%100
125	FF-V6	Z	-.003	-.003	0	%100
126	SF1-H	Z	-.003	-.003	0	%100
127	SF1-V1	Z	-.003	-.003	0	%100
128	SF1-V2	Z	-.003	-.003	0	%100
129	SF1-V3	Z	-.003	-.003	0	%100
130	SF1-V4	Z	-.003	-.003	0	%100
131	SF1-V5	Z	-.003	-.003	0	%100
132	SF1-V6	Z	-.003	-.003	0	%100
133	SF2-H	Z	-.000702	-.000702	0	%100
134	SF2-V1	Z	-.003	-.003	0	%100
135	SF2-V2	Z	-.003	-.003	0	%100
136	SF2-V3	Z	-.003	-.003	0	%100
137	SF2-V4	Z	-.003	-.003	0	%100
138	SF2-V5	Z	-.003	-.003	0	%100
139	SF2-V6	Z	-.003	-.003	0	%100
140	RMP-3	Z	-.002	-.002	0	%100
141	RMP-1	Z	-.002	-.002	0	%100
142	RMP-2	Z	-.002	-.002	0	%100
143	RMP-7	Z	-.002	-.002	0	%100
144	RMP-6	Z	-.002	-.002	0	%100
145	RMP-5	Z	-.002	-.002	0	%100
146	RMP-4	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.003	.003	0	%100
2	FF-D2	X	.003	.003	0	%100
3	FF-D3	X	.003	.003	0	%100
4	FF-D4	X	.003	.003	0	%100
5	SF1-D1	X	.003	.003	0	%100
6	SF1-D2	X	.003	.003	0	%100
7	SF1-D3	X	.003	.003	0	%100
8	SF1-D4	X	.003	.003	0	%100
9	SF2-D1	X	.003	.003	0	%100
10	SF2-D2	X	.003	.003	0	%100
11	SF2-D3	X	.003	.003	0	%100
12	SF2-D4	X	.003	.003	0	%100
13	FF-BH	X	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	SF1-BH	X	.005	.005	0	%100
15	SF2-BH	X	0	0	0	%100
16	FF-TH	X	.005	.005	0	%100
17	SF1-TH	X	.004	.004	0	%100
18	SF2-TH	X	0	0	0	%100
19	GSI1	X	.004	.004	0	%100
20	GSI2	X	0	0	0	%100
21	GSI3	X	.005	.005	0	%100
22	GSI4	X	.004	.004	0	%100
23	GSI5	X	0	0	0	%100
24	GSI6	X	.005	.005	0	%100
25	INT1	X	.001	.001	0	%100
26	INT2	X	.001	.001	0	%100
27	INT3	X	.002	.002	0	%100
28	INT4	X	.002	.002	0	%100
29	INT5	X	.003	.003	0	%100
30	INT6	X	.003	.003	0	%100
31	MP-1	X	.002	.002	0	%100
32	MP-2	X	.002	.002	0	%100
33	MP-3	X	.002	.002	0	%100
34	MP-4	X	.002	.002	0	%100
35	MP-5	X	.002	.002	0	%100
36	MP-6	X	.002	.002	0	%100
37	MP-7	X	.002	.002	0	%100
38	MP-8	X	.002	.002	0	%100
39	MP-9	X	.002	.002	0	%100
40	M82	X	.002	.002	0	%100
41	M83	X	.003	.003	0	%100
42	M84	X	.002	.002	0	%100
43	SA1	X	.005	.005	0	%100
44	SA2	X	.004	.004	0	%100
45	SA3	X	0	0	0	%100
46	FF-H	X	.003	.003	0	%100
47	FF-V1	X	.003	.003	0	%100
48	FF-V2	X	.003	.003	0	%100
49	FF-V3	X	.003	.003	0	%100
50	FF-V4	X	.003	.003	0	%100
51	FF-V5	X	.003	.003	0	%100
52	FF-V6	X	.003	.003	0	%100
53	SF1-H	X	.003	.003	0	%100
54	SF1-V1	X	.003	.003	0	%100
55	SF1-V2	X	.003	.003	0	%100
56	SF1-V3	X	.003	.003	0	%100
57	SF1-V4	X	.003	.003	0	%100
58	SF1-V5	X	.003	.003	0	%100
59	SF1-V6	X	.003	.003	0	%100
60	SF2-H	X	0	0	0	%100
61	SF2-V1	X	.003	.003	0	%100
62	SF2-V2	X	.003	.003	0	%100
63	SF2-V3	X	.003	.003	0	%100
64	SF2-V4	X	.003	.003	0	%100
65	SF2-V5	X	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	SF2-V6	X	.003	.003	0	%100
67	RMP-3	X	.002	.002	0	%100
68	RMP-1	X	.002	.002	0	%100
69	RMP-2	X	.002	.002	0	%100
70	RMP-7	X	.002	.002	0	%100
71	RMP-6	X	.002	.002	0	%100
72	RMP-5	X	.002	.002	0	%100
73	RMP-4	X	.002	.002	0	%100
74	FF-D1	Z	-.002	-.002	0	%100
75	FF-D2	Z	-.002	-.002	0	%100
76	FF-D3	Z	-.002	-.002	0	%100
77	FF-D4	Z	-.002	-.002	0	%100
78	SF1-D1	Z	-.002	-.002	0	%100
79	SF1-D2	Z	-.002	-.002	0	%100
80	SF1-D3	Z	-.002	-.002	0	%100
81	SF1-D4	Z	-.002	-.002	0	%100
82	SF2-D1	Z	-.002	-.002	0	%100
83	SF2-D2	Z	-.002	-.002	0	%100
84	SF2-D3	Z	-.002	-.002	0	%100
85	SF2-D4	Z	-.002	-.002	0	%100
86	FF-BH	Z	-.003	-.003	0	%100
87	SF1-BH	Z	-.003	-.003	0	%100
88	SF2-BH	Z	0	0	0	%100
89	FF-TH	Z	-.002	-.002	0	%100
90	SF1-TH	Z	-.003	-.003	0	%100
91	SF2-TH	Z	0	0	0	%100
92	GSI1	Z	-.003	-.003	0	%100
93	GSI2	Z	0	0	0	%100
94	GSI3	Z	-.002	-.002	0	%100
95	GSI4	Z	-.003	-.003	0	%100
96	GSI5	Z	0	0	0	%100
97	GSI6	Z	-.002	-.002	0	%100
98	INT1	Z	-.000959	-.000959	0	%100
99	INT2	Z	-.000959	-.000959	0	%100
100	INT3	Z	-.00088	-.00088	0	%100
101	INT4	Z	-.00088	-.00088	0	%100
102	INT5	Z	-.002	-.002	0	%100
103	INT6	Z	-.002	-.002	0	%100
104	MP-1	Z	-.001	-.001	0	%100
105	MP-2	Z	-.002	-.002	0	%100
106	MP-3	Z	-.002	-.002	0	%100
107	MP-4	Z	-.001	-.001	0	%100
108	MP-5	Z	-.002	-.002	0	%100
109	MP-6	Z	-.002	-.002	0	%100
110	MP-7	Z	-.001	-.001	0	%100
111	MP-8	Z	-.002	-.002	0	%100
112	MP-9	Z	-.002	-.002	0	%100
113	M82	Z	-.000907	-.000907	0	%100
114	M83	Z	-.002	-.002	0	%100
115	M84	Z	-.000897	-.000897	0	%100
116	SA1	Z	-.003	-.003	0	%100
117	SA2	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
118	SA3	Z	0	0	0	%100
119	FF-H	Z	-.002	-.002	0	%100
120	FF-V1	Z	-.002	-.002	0	%100
121	FF-V2	Z	-.002	-.002	0	%100
122	FF-V3	Z	-.002	-.002	0	%100
123	FF-V4	Z	-.002	-.002	0	%100
124	FF-V5	Z	-.002	-.002	0	%100
125	FF-V6	Z	-.002	-.002	0	%100
126	SF1-H	Z	-.002	-.002	0	%100
127	SF1-V1	Z	-.002	-.002	0	%100
128	SF1-V2	Z	-.002	-.002	0	%100
129	SF1-V3	Z	-.002	-.002	0	%100
130	SF1-V4	Z	-.002	-.002	0	%100
131	SF1-V5	Z	-.002	-.002	0	%100
132	SF1-V6	Z	-.002	-.002	0	%100
133	SF2-H	Z	0	0	0	%100
134	SF2-V1	Z	-.002	-.002	0	%100
135	SF2-V2	Z	-.002	-.002	0	%100
136	SF2-V3	Z	-.002	-.002	0	%100
137	SF2-V4	Z	-.002	-.002	0	%100
138	SF2-V5	Z	-.002	-.002	0	%100
139	SF2-V6	Z	-.002	-.002	0	%100
140	RMP-3	Z	-.001	-.001	0	%100
141	RMP-1	Z	-.001	-.001	0	%100
142	RMP-2	Z	-.001	-.001	0	%100
143	RMP-7	Z	-.001	-.001	0	%100
144	RMP-6	Z	-.001	-.001	0	%100
145	RMP-5	Z	-.001	-.001	0	%100
146	RMP-4	Z	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.004	.004	0	%100
2	FF-D2	X	.004	.004	0	%100
3	FF-D3	X	.004	.004	0	%100
4	FF-D4	X	.004	.004	0	%100
5	SF1-D1	X	.004	.004	0	%100
6	SF1-D2	X	.004	.004	0	%100
7	SF1-D3	X	.004	.004	0	%100
8	SF1-D4	X	.004	.004	0	%100
9	SF2-D1	X	.004	.004	0	%100
10	SF2-D2	X	.004	.004	0	%100
11	SF2-D3	X	.004	.004	0	%100
12	SF2-D4	X	.004	.004	0	%100
13	FF-BH	X	.008	.008	0	%100
14	SF1-BH	X	.007	.007	0	%100
15	SF2-BH	X	.007	.007	0	%100
16	FF-TH	X	.006	.006	0	%100
17	SF1-TH	X	.005	.005	0	%100
18	SF2-TH	X	.005	.005	0	%100
19	GSI1	X	.006	.006	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	GSI2	X	.006	.006	0	%100
21	GSI3	X	.006	.006	0	%100
22	GSI4	X	.005	.005	0	%100
23	GSI5	X	.005	.005	0	%100
24	GSI6	X	.006	.006	0	%100
25	INT1	X	.003	.003	0	%100
26	INT2	X	.003	.003	0	%100
27	INT3	X	.004	.004	0	%100
28	INT4	X	.004	.004	0	%100
29	INT5	X	.004	.004	0	%100
30	INT6	X	.004	.004	0	%100
31	MP-1	X	.003	.003	0	%100
32	MP-2	X	.003	.003	0	%100
33	MP-3	X	.003	.003	0	%100
34	MP-4	X	.003	.003	0	%100
35	MP-5	X	.003	.003	0	%100
36	MP-6	X	.003	.003	0	%100
37	MP-7	X	.003	.003	0	%100
38	MP-8	X	.003	.003	0	%100
39	MP-9	X	.003	.003	0	%100
40	M82	X	.004	.004	0	%100
41	M83	X	.004	.004	0	%100
42	M84	X	.004	.004	0	%100
43	SA1	X	.006	.006	0	%100
44	SA2	X	.006	.006	0	%100
45	SA3	X	.006	.006	0	%100
46	FF-H	X	.004	.004	0	%100
47	FF-V1	X	.004	.004	0	%100
48	FF-V2	X	.004	.004	0	%100
49	FF-V3	X	.004	.004	0	%100
50	FF-V4	X	.004	.004	0	%100
51	FF-V5	X	.004	.004	0	%100
52	FF-V6	X	.004	.004	0	%100
53	SF1-H	X	.004	.004	0	%100
54	SF1-V1	X	.004	.004	0	%100
55	SF1-V2	X	.004	.004	0	%100
56	SF1-V3	X	.004	.004	0	%100
57	SF1-V4	X	.004	.004	0	%100
58	SF1-V5	X	.004	.004	0	%100
59	SF1-V6	X	.004	.004	0	%100
60	SF2-H	X	.004	.004	0	%100
61	SF2-V1	X	.004	.004	0	%100
62	SF2-V2	X	.004	.004	0	%100
63	SF2-V3	X	.004	.004	0	%100
64	SF2-V4	X	.004	.004	0	%100
65	SF2-V5	X	.004	.004	0	%100
66	SF2-V6	X	.004	.004	0	%100
67	RMP-3	X	.002	.002	0	%100
68	RMP-1	X	.002	.002	0	%100
69	RMP-2	X	.002	.002	0	%100
70	RMP-7	X	.002	.002	0	%100
71	RMP-6	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	RMP-5	X	.002	.002	0	%100
73	RMP-4	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.003	.003	0	%100
2	FF-D2	X	.003	.003	0	%100
3	FF-D3	X	.003	.003	0	%100
4	FF-D4	X	.003	.003	0	%100
5	SF1-D1	X	.003	.003	0	%100
6	SF1-D2	X	.003	.003	0	%100
7	SF1-D3	X	.003	.003	0	%100
8	SF1-D4	X	.003	.003	0	%100
9	SF2-D1	X	.003	.003	0	%100
10	SF2-D2	X	.003	.003	0	%100
11	SF2-D3	X	.003	.003	0	%100
12	SF2-D4	X	.003	.003	0	%100
13	FF-BH	X	.006	.006	0	%100
14	SF1-BH	X	0	0	0	%100
15	SF2-BH	X	.005	.005	0	%100
16	FF-TH	X	.005	.005	0	%100
17	SF1-TH	X	0	0	0	%100
18	SF2-TH	X	.004	.004	0	%100
19	GSI1	X	0	0	0	%100
20	GSI2	X	.004	.004	0	%100
21	GSI3	X	.005	.005	0	%100
22	GSI4	X	0	0	0	%100
23	GSI5	X	.004	.004	0	%100
24	GSI6	X	.005	.005	0	%100
25	INT1	X	.001	.001	0	%100
26	INT2	X	.001	.001	0	%100
27	INT3	X	.003	.003	0	%100
28	INT4	X	.003	.003	0	%100
29	INT5	X	.002	.002	0	%100
30	INT6	X	.002	.002	0	%100
31	MP-1	X	.002	.002	0	%100
32	MP-2	X	.002	.002	0	%100
33	MP-3	X	.002	.002	0	%100
34	MP-4	X	.002	.002	0	%100
35	MP-5	X	.002	.002	0	%100
36	MP-6	X	.002	.002	0	%100
37	MP-7	X	.002	.002	0	%100
38	MP-8	X	.002	.002	0	%100
39	MP-9	X	.002	.002	0	%100
40	M82	X	.002	.002	0	%100
41	M83	X	.002	.002	0	%100
42	M84	X	.003	.003	0	%100
43	SA1	X	.005	.005	0	%100
44	SA2	X	0	0	0	%100
45	SA3	X	.004	.004	0	%100
46	FF-H	X	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	FF-V1	X	.003	.003	0	%100
48	FF-V2	X	.003	.003	0	%100
49	FF-V3	X	.003	.003	0	%100
50	FF-V4	X	.003	.003	0	%100
51	FF-V5	X	.003	.003	0	%100
52	FF-V6	X	.003	.003	0	%100
53	SF1-H	X	0	0	0	%100
54	SF1-V1	X	.003	.003	0	%100
55	SF1-V2	X	.003	.003	0	%100
56	SF1-V3	X	.003	.003	0	%100
57	SF1-V4	X	.003	.003	0	%100
58	SF1-V5	X	.003	.003	0	%100
59	SF1-V6	X	.003	.003	0	%100
60	SF2-H	X	.003	.003	0	%100
61	SF2-V1	X	.003	.003	0	%100
62	SF2-V2	X	.003	.003	0	%100
63	SF2-V3	X	.003	.003	0	%100
64	SF2-V4	X	.003	.003	0	%100
65	SF2-V5	X	.003	.003	0	%100
66	SF2-V6	X	.003	.003	0	%100
67	RMP-3	X	.002	.002	0	%100
68	RMP-1	X	.002	.002	0	%100
69	RMP-2	X	.002	.002	0	%100
70	RMP-7	X	.002	.002	0	%100
71	RMP-6	X	.002	.002	0	%100
72	RMP-5	X	.002	.002	0	%100
73	RMP-4	X	.002	.002	0	%100
74	FF-D1	Z	.002	.002	0	%100
75	FF-D2	Z	.002	.002	0	%100
76	FF-D3	Z	.002	.002	0	%100
77	FF-D4	Z	.002	.002	0	%100
78	SF1-D1	Z	.002	.002	0	%100
79	SF1-D2	Z	.002	.002	0	%100
80	SF1-D3	Z	.002	.002	0	%100
81	SF1-D4	Z	.002	.002	0	%100
82	SF2-D1	Z	.002	.002	0	%100
83	SF2-D2	Z	.002	.002	0	%100
84	SF2-D3	Z	.002	.002	0	%100
85	SF2-D4	Z	.002	.002	0	%100
86	FF-BH	Z	.003	.003	0	%100
87	SF1-BH	Z	0	0	0	%100
88	SF2-BH	Z	.003	.003	0	%100
89	FF-TH	Z	.002	.002	0	%100
90	SF1-TH	Z	0	0	0	%100
91	SF2-TH	Z	.003	.003	0	%100
92	GSI1	Z	0	0	0	%100
93	GSI2	Z	.003	.003	0	%100
94	GSI3	Z	.002	.002	0	%100
95	GSI4	Z	0	0	0	%100
96	GSI5	Z	.003	.003	0	%100
97	GSI6	Z	.002	.002	0	%100
98	INT1	Z	.000959	.000959	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	INT2	Z	.000959	.000959	0	%100
100	INT3	Z	.002	.002	0	%100
101	INT4	Z	.002	.002	0	%100
102	INT5	Z	.00088	.00088	0	%100
103	INT6	Z	.00088	.00088	0	%100
104	MP-1	Z	.001	.001	0	%100
105	MP-2	Z	.002	.002	0	%100
106	MP-3	Z	.002	.002	0	%100
107	MP-4	Z	.001	.001	0	%100
108	MP-5	Z	.002	.002	0	%100
109	MP-6	Z	.002	.002	0	%100
110	MP-7	Z	.001	.001	0	%100
111	MP-8	Z	.002	.002	0	%100
112	MP-9	Z	.002	.002	0	%100
113	M82	Z	.000907	.000907	0	%100
114	M83	Z	.000897	.000897	0	%100
115	M84	Z	.002	.002	0	%100
116	SA1	Z	.003	.003	0	%100
117	SA2	Z	0	0	0	%100
118	SA3	Z	.003	.003	0	%100
119	FF-H	Z	.002	.002	0	%100
120	FF-V1	Z	.002	.002	0	%100
121	FF-V2	Z	.002	.002	0	%100
122	FF-V3	Z	.002	.002	0	%100
123	FF-V4	Z	.002	.002	0	%100
124	FF-V5	Z	.002	.002	0	%100
125	FF-V6	Z	.002	.002	0	%100
126	SF1-H	Z	0	0	0	%100
127	SF1-V1	Z	.002	.002	0	%100
128	SF1-V2	Z	.002	.002	0	%100
129	SF1-V3	Z	.002	.002	0	%100
130	SF1-V4	Z	.002	.002	0	%100
131	SF1-V5	Z	.002	.002	0	%100
132	SF1-V6	Z	.002	.002	0	%100
133	SF2-H	Z	.002	.002	0	%100
134	SF2-V1	Z	.002	.002	0	%100
135	SF2-V2	Z	.002	.002	0	%100
136	SF2-V3	Z	.002	.002	0	%100
137	SF2-V4	Z	.002	.002	0	%100
138	SF2-V5	Z	.002	.002	0	%100
139	SF2-V6	Z	.002	.002	0	%100
140	RMP-3	Z	.001	.001	0	%100
141	RMP-1	Z	.001	.001	0	%100
142	RMP-2	Z	.001	.001	0	%100
143	RMP-7	Z	.001	.001	0	%100
144	RMP-6	Z	.001	.001	0	%100
145	RMP-5	Z	.001	.001	0	%100
146	RMP-4	Z	.001	.001	0	%100

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

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

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.003	.003	0	%100
2	FF-D2	X	.003	.003	0	%100
3	FF-D3	X	.003	.003	0	%100
4	FF-D4	X	.003	.003	0	%100
5	SF1-D1	X	.003	.003	0	%100
6	SF1-D2	X	.003	.003	0	%100
7	SF1-D3	X	.003	.003	0	%100
8	SF1-D4	X	.003	.003	0	%100
9	SF2-D1	X	.003	.003	0	%100
10	SF2-D2	X	.003	.003	0	%100
11	SF2-D3	X	.003	.003	0	%100
12	SF2-D4	X	.003	.003	0	%100
13	FF-BH	X	.004	.004	0	%100
14	SF1-BH	X	.001	.001	0	%100
15	SF2-BH	X	.004	.004	0	%100
16	FF-TH	X	.003	.003	0	%100
17	SF1-TH	X	.000964	.000964	0	%100
18	SF2-TH	X	.004	.004	0	%100
19	GSI1	X	.001	.001	0	%100
20	GSI2	X	.004	.004	0	%100
21	GSI3	X	.003	.003	0	%100
22	GSI4	X	.001	.001	0	%100
23	GSI5	X	.004	.004	0	%100
24	GSI6	X	.003	.003	0	%100
25	INT1	X	.002	.002	0	%100
26	INT2	X	.002	.002	0	%100
27	INT3	X	.003	.003	0	%100
28	INT4	X	.003	.003	0	%100
29	INT5	X	.000687	.000687	0	%100
30	INT6	X	.000687	.000687	0	%100
31	MP-1	X	.002	.002	0	%100
32	MP-2	X	.002	.002	0	%100
33	MP-3	X	.002	.002	0	%100
34	MP-4	X	.002	.002	0	%100
35	MP-5	X	.002	.002	0	%100
36	MP-6	X	.002	.002	0	%100
37	MP-7	X	.002	.002	0	%100
38	MP-8	X	.002	.002	0	%100
39	MP-9	X	.002	.002	0	%100
40	M82	X	.002	.002	0	%100
41	M83	X	.000658	.000658	0	%100
42	M84	X	.002	.002	0	%100
43	SA1	X	.003	.003	0	%100
44	SA2	X	.001	.001	0	%100
45	SA3	X	.004	.004	0	%100
46	FF-H	X	.002	.002	0	%100
47	FF-V1	X	.003	.003	0	%100
48	FF-V2	X	.003	.003	0	%100
49	FF-V3	X	.003	.003	0	%100
50	FF-V4	X	.003	.003	0	%100
51	FF-V5	X	.003	.003	0	%100
52	FF-V6	X	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	SF1-H	X	.000645	.000645	0	%100
54	SF1-V1	X	.003	.003	0	%100
55	SF1-V2	X	.003	.003	0	%100
56	SF1-V3	X	.003	.003	0	%100
57	SF1-V4	X	.003	.003	0	%100
58	SF1-V5	X	.003	.003	0	%100
59	SF1-V6	X	.003	.003	0	%100
60	SF2-H	X	.002	.002	0	%100
61	SF2-V1	X	.003	.003	0	%100
62	SF2-V2	X	.003	.003	0	%100
63	SF2-V3	X	.003	.003	0	%100
64	SF2-V4	X	.003	.003	0	%100
65	SF2-V5	X	.003	.003	0	%100
66	SF2-V6	X	.003	.003	0	%100
67	RMP-3	X	.002	.002	0	%100
68	RMP-1	X	.002	.002	0	%100
69	RMP-2	X	.002	.002	0	%100
70	RMP-7	X	.002	.002	0	%100
71	RMP-6	X	.002	.002	0	%100
72	RMP-5	X	.002	.002	0	%100
73	RMP-4	X	.002	.002	0	%100
74	FF-D1	Z	.003	.003	0	%100
75	FF-D2	Z	.003	.003	0	%100
76	FF-D3	Z	.003	.003	0	%100
77	FF-D4	Z	.003	.003	0	%100
78	SF1-D1	Z	.003	.003	0	%100
79	SF1-D2	Z	.003	.003	0	%100
80	SF1-D3	Z	.003	.003	0	%100
81	SF1-D4	Z	.003	.003	0	%100
82	SF2-D1	Z	.003	.003	0	%100
83	SF2-D2	Z	.003	.003	0	%100
84	SF2-D3	Z	.003	.003	0	%100
85	SF2-D4	Z	.003	.003	0	%100
86	FF-BH	Z	.004	.004	0	%100
87	SF1-BH	Z	.001	.001	0	%100
88	SF2-BH	Z	.005	.005	0	%100
89	FF-TH	Z	.003	.003	0	%100
90	SF1-TH	Z	.001	.001	0	%100
91	SF2-TH	Z	.004	.004	0	%100
92	GSI1	Z	.001	.001	0	%100
93	GSI2	Z	.004	.004	0	%100
94	GSI3	Z	.003	.003	0	%100
95	GSI4	Z	.001	.001	0	%100
96	GSI5	Z	.004	.004	0	%100
97	GSI6	Z	.003	.003	0	%100
98	INT1	Z	.002	.002	0	%100
99	INT2	Z	.002	.002	0	%100
100	INT3	Z	.002	.002	0	%100
101	INT4	Z	.002	.002	0	%100
102	INT5	Z	.000644	.000644	0	%100
103	INT6	Z	.000644	.000644	0	%100
104	MP-1	Z	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP-2	Z	.002	.002	0	%100
106	MP-3	Z	.002	.002	0	%100
107	MP-4	Z	.002	.002	0	%100
108	MP-5	Z	.002	.002	0	%100
109	MP-6	Z	.002	.002	0	%100
110	MP-7	Z	.002	.002	0	%100
111	MP-8	Z	.002	.002	0	%100
112	MP-9	Z	.002	.002	0	%100
113	M82	Z	.002	.002	0	%100
114	M83	Z	.000657	.000657	0	%100
115	M84	Z	.002	.002	0	%100
116	SA1	Z	.003	.003	0	%100
117	SA2	Z	.001	.001	0	%100
118	SA3	Z	.004	.004	0	%100
119	FF-H	Z	.002	.002	0	%100
120	FF-V1	Z	.003	.003	0	%100
121	FF-V2	Z	.003	.003	0	%100
122	FF-V3	Z	.003	.003	0	%100
123	FF-V4	Z	.003	.003	0	%100
124	FF-V5	Z	.003	.003	0	%100
125	FF-V6	Z	.003	.003	0	%100
126	SF1-H	Z	.000702	.000702	0	%100
127	SF1-V1	Z	.003	.003	0	%100
128	SF1-V2	Z	.003	.003	0	%100
129	SF1-V3	Z	.003	.003	0	%100
130	SF1-V4	Z	.003	.003	0	%100
131	SF1-V5	Z	.003	.003	0	%100
132	SF1-V6	Z	.003	.003	0	%100
133	SF2-H	Z	.003	.003	0	%100
134	SF2-V1	Z	.003	.003	0	%100
135	SF2-V2	Z	.003	.003	0	%100
136	SF2-V3	Z	.003	.003	0	%100
137	SF2-V4	Z	.003	.003	0	%100
138	SF2-V5	Z	.003	.003	0	%100
139	SF2-V6	Z	.003	.003	0	%100
140	RMP-3	Z	.002	.002	0	%100
141	RMP-1	Z	.002	.002	0	%100
142	RMP-2	Z	.002	.002	0	%100
143	RMP-7	Z	.002	.002	0	%100
144	RMP-6	Z	.002	.002	0	%100
145	RMP-5	Z	.002	.002	0	%100
146	RMP-4	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	.002	.002	0	%100
2	FF-D2	X	.002	.002	0	%100
3	FF-D3	X	.002	.002	0	%100
4	FF-D4	X	.002	.002	0	%100
5	SF1-D1	X	.002	.002	0	%100
6	SF1-D2	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	SF1-D3	X	.002	.002	0	%100
8	SF1-D4	X	.002	.002	0	%100
9	SF2-D1	X	.002	.002	0	%100
10	SF2-D2	X	.002	.002	0	%100
11	SF2-D3	X	.002	.002	0	%100
12	SF2-D4	X	.002	.002	0	%100
13	FF-BH	X	.002	.002	0	%100
14	SF1-BH	X	.002	.002	0	%100
15	SF2-BH	X	.003	.003	0	%100
16	FF-TH	X	.002	.002	0	%100
17	SF1-TH	X	.001	.001	0	%100
18	SF2-TH	X	.003	.003	0	%100
19	GSI1	X	.001	.001	0	%100
20	GSI2	X	.003	.003	0	%100
21	GSI3	X	.002	.002	0	%100
22	GSI4	X	.001	.001	0	%100
23	GSI5	X	.003	.003	0	%100
24	GSI6	X	.002	.002	0	%100
25	INT1	X	.001	.001	0	%100
26	INT2	X	.001	.001	0	%100
27	INT3	X	.002	.002	0	%100
28	INT4	X	.002	.002	0	%100
29	INT5	X	0	0	0	%100
30	INT6	X	0	0	0	%100
31	MP-1	X	.001	.001	0	%100
32	MP-2	X	.001	.001	0	%100
33	MP-3	X	.001	.001	0	%100
34	MP-4	X	.001	.001	0	%100
35	MP-5	X	.001	.001	0	%100
36	MP-6	X	.001	.001	0	%100
37	MP-7	X	.001	.001	0	%100
38	MP-8	X	.001	.001	0	%100
39	MP-9	X	.001	.001	0	%100
40	M82	X	.002	.002	0	%100
41	M83	X	0	0	0	%100
42	M84	X	.002	.002	0	%100
43	SA1	X	.002	.002	0	%100
44	SA2	X	.001	.001	0	%100
45	SA3	X	.003	.003	0	%100
46	FF-H	X	.000983	.000983	0	%100
47	FF-V1	X	.002	.002	0	%100
48	FF-V2	X	.002	.002	0	%100
49	FF-V3	X	.002	.002	0	%100
50	FF-V4	X	.002	.002	0	%100
51	FF-V5	X	.002	.002	0	%100
52	FF-V6	X	.002	.002	0	%100
53	SF1-H	X	.000881	.000881	0	%100
54	SF1-V1	X	.002	.002	0	%100
55	SF1-V2	X	.002	.002	0	%100
56	SF1-V3	X	.002	.002	0	%100
57	SF1-V4	X	.002	.002	0	%100
58	SF1-V5	X	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	SF1-V6	X	.002	.002	0	%100
60	SF2-H	X	.002	.002	0	%100
61	SF2-V1	X	.002	.002	0	%100
62	SF2-V2	X	.002	.002	0	%100
63	SF2-V3	X	.002	.002	0	%100
64	SF2-V4	X	.002	.002	0	%100
65	SF2-V5	X	.002	.002	0	%100
66	SF2-V6	X	.002	.002	0	%100
67	RMP-3	X	.001	.001	0	%100
68	RMP-1	X	.001	.001	0	%100
69	RMP-2	X	.001	.001	0	%100
70	RMP-7	X	.001	.001	0	%100
71	RMP-6	X	.001	.001	0	%100
72	RMP-5	X	.001	.001	0	%100
73	RMP-4	X	.001	.001	0	%100
74	FF-D1	Z	.004	.004	0	%100
75	FF-D2	Z	.004	.004	0	%100
76	FF-D3	Z	.004	.004	0	%100
77	FF-D4	Z	.004	.004	0	%100
78	SF1-D1	Z	.004	.004	0	%100
79	SF1-D2	Z	.004	.004	0	%100
80	SF1-D3	Z	.004	.004	0	%100
81	SF1-D4	Z	.004	.004	0	%100
82	SF2-D1	Z	.004	.004	0	%100
83	SF2-D2	Z	.004	.004	0	%100
84	SF2-D3	Z	.004	.004	0	%100
85	SF2-D4	Z	.004	.004	0	%100
86	FF-BH	Z	.003	.003	0	%100
87	SF1-BH	Z	.003	.003	0	%100
88	SF2-BH	Z	.007	.007	0	%100
89	FF-TH	Z	.002	.002	0	%100
90	SF1-TH	Z	.003	.003	0	%100
91	SF2-TH	Z	.005	.005	0	%100
92	GSI1	Z	.003	.003	0	%100
93	GSI2	Z	.005	.005	0	%100
94	GSI3	Z	.002	.002	0	%100
95	GSI4	Z	.003	.003	0	%100
96	GSI5	Z	.005	.005	0	%100
97	GSI6	Z	.002	.002	0	%100
98	INT1	Z	.003	.003	0	%100
99	INT2	Z	.003	.003	0	%100
100	INT3	Z	.003	.003	0	%100
101	INT4	Z	.003	.003	0	%100
102	INT5	Z	0	0	0	%100
103	INT6	Z	0	0	0	%100
104	MP-1	Z	.002	.002	0	%100
105	MP-2	Z	.003	.003	0	%100
106	MP-3	Z	.003	.003	0	%100
107	MP-4	Z	.002	.002	0	%100
108	MP-5	Z	.003	.003	0	%100
109	MP-6	Z	.003	.003	0	%100
110	MP-7	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
111	MP-8	Z	.003	.003	0	%100
112	MP-9	Z	.003	.003	0	%100
113	M82	Z	.003	.003	0	%100
114	M83	Z	0	0	0	%100
115	M84	Z	.003	.003	0	%100
116	SA1	Z	.003	.003	0	%100
117	SA2	Z	.003	.003	0	%100
118	SA3	Z	.005	.005	0	%100
119	FF-H	Z	.002	.002	0	%100
120	FF-V1	Z	.003	.003	0	%100
121	FF-V2	Z	.003	.003	0	%100
122	FF-V3	Z	.003	.003	0	%100
123	FF-V4	Z	.003	.003	0	%100
124	FF-V5	Z	.003	.003	0	%100
125	FF-V6	Z	.003	.003	0	%100
126	SF1-H	Z	.002	.002	0	%100
127	SF1-V1	Z	.003	.003	0	%100
128	SF1-V2	Z	.003	.003	0	%100
129	SF1-V3	Z	.003	.003	0	%100
130	SF1-V4	Z	.003	.003	0	%100
131	SF1-V5	Z	.003	.003	0	%100
132	SF1-V6	Z	.003	.003	0	%100
133	SF2-H	Z	.003	.003	0	%100
134	SF2-V1	Z	.003	.003	0	%100
135	SF2-V2	Z	.003	.003	0	%100
136	SF2-V3	Z	.003	.003	0	%100
137	SF2-V4	Z	.003	.003	0	%100
138	SF2-V5	Z	.003	.003	0	%100
139	SF2-V6	Z	.003	.003	0	%100
140	RMP-3	Z	.002	.002	0	%100
141	RMP-1	Z	.002	.002	0	%100
142	RMP-2	Z	.002	.002	0	%100
143	RMP-7	Z	.002	.002	0	%100
144	RMP-6	Z	.002	.002	0	%100
145	RMP-5	Z	.002	.002	0	%100
146	RMP-4	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	Z	.004	.004	0	%100
2	FF-D2	Z	.004	.004	0	%100
3	FF-D3	Z	.004	.004	0	%100
4	FF-D4	Z	.004	.004	0	%100
5	SF1-D1	Z	.004	.004	0	%100
6	SF1-D2	Z	.004	.004	0	%100
7	SF1-D3	Z	.004	.004	0	%100
8	SF1-D4	Z	.004	.004	0	%100
9	SF2-D1	Z	.004	.004	0	%100
10	SF2-D2	Z	.004	.004	0	%100
11	SF2-D3	Z	.004	.004	0	%100
12	SF2-D4	Z	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	FF-BH	Z	0	0	0	%100
14	SF1-BH	Z	.007	.007	0	%100
15	SF2-BH	Z	.007	.007	0	%100
16	FF-TH	Z	0	0	0	%100
17	SF1-TH	Z	.005	.005	0	%100
18	SF2-TH	Z	.005	.005	0	%100
19	GSI1	Z	.005	.005	0	%100
20	GSI2	Z	.005	.005	0	%100
21	GSI3	Z	0	0	0	%100
22	GSI4	Z	.005	.005	0	%100
23	GSI5	Z	.005	.005	0	%100
24	GSI6	Z	0	0	0	%100
25	INT1	Z	.004	.004	0	%100
26	INT2	Z	.004	.004	0	%100
27	INT3	Z	.002	.002	0	%100
28	INT4	Z	.002	.002	0	%100
29	INT5	Z	.002	.002	0	%100
30	INT6	Z	.002	.002	0	%100
31	MP-1	Z	.003	.003	0	%100
32	MP-2	Z	.003	.003	0	%100
33	MP-3	Z	.003	.003	0	%100
34	MP-4	Z	.003	.003	0	%100
35	MP-5	Z	.003	.003	0	%100
36	MP-6	Z	.003	.003	0	%100
37	MP-7	Z	.003	.003	0	%100
38	MP-8	Z	.003	.003	0	%100
39	MP-9	Z	.003	.003	0	%100
40	M82	Z	.004	.004	0	%100
41	M83	Z	.002	.002	0	%100
42	M84	Z	.002	.002	0	%100
43	SA1	Z	0	0	0	%100
44	SA2	Z	.005	.005	0	%100
45	SA3	Z	.005	.005	0	%100
46	FF-H	Z	0	0	0	%100
47	FF-V1	Z	.004	.004	0	%100
48	FF-V2	Z	.004	.004	0	%100
49	FF-V3	Z	.004	.004	0	%100
50	FF-V4	Z	.004	.004	0	%100
51	FF-V5	Z	.004	.004	0	%100
52	FF-V6	Z	.004	.004	0	%100
53	SF1-H	Z	.003	.003	0	%100
54	SF1-V1	Z	.004	.004	0	%100
55	SF1-V2	Z	.004	.004	0	%100
56	SF1-V3	Z	.004	.004	0	%100
57	SF1-V4	Z	.004	.004	0	%100
58	SF1-V5	Z	.004	.004	0	%100
59	SF1-V6	Z	.004	.004	0	%100
60	SF2-H	Z	.003	.003	0	%100
61	SF2-V1	Z	.004	.004	0	%100
62	SF2-V2	Z	.004	.004	0	%100
63	SF2-V3	Z	.004	.004	0	%100
64	SF2-V4	Z	.004	.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	SF2-V5	Z	.004	.004	0	%100
66	SF2-V6	Z	.004	.004	0	%100
67	RMP-3	Z	.002	.002	0	%100
68	RMP-1	Z	.003	.003	0	%100
69	RMP-2	Z	.002	.002	0	%100
70	RMP-7	Z	.002	.002	0	%100
71	RMP-6	Z	.002	.002	0	%100
72	RMP-5	Z	.002	.002	0	%100
73	RMP-4	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.002	-.002	0	%100
2	FF-D2	X	-.002	-.002	0	%100
3	FF-D3	X	-.002	-.002	0	%100
4	FF-D4	X	-.002	-.002	0	%100
5	SF1-D1	X	-.002	-.002	0	%100
6	SF1-D2	X	-.002	-.002	0	%100
7	SF1-D3	X	-.002	-.002	0	%100
8	SF1-D4	X	-.002	-.002	0	%100
9	SF2-D1	X	-.002	-.002	0	%100
10	SF2-D2	X	-.002	-.002	0	%100
11	SF2-D3	X	-.002	-.002	0	%100
12	SF2-D4	X	-.002	-.002	0	%100
13	FF-BH	X	-.002	-.002	0	%100
14	SF1-BH	X	-.003	-.003	0	%100
15	SF2-BH	X	-.002	-.002	0	%100
16	FF-TH	X	-.002	-.002	0	%100
17	SF1-TH	X	-.003	-.003	0	%100
18	SF2-TH	X	-.001	-.001	0	%100
19	GSI1	X	-.003	-.003	0	%100
20	GSI2	X	-.001	-.001	0	%100
21	GSI3	X	-.002	-.002	0	%100
22	GSI4	X	-.003	-.003	0	%100
23	GSI5	X	-.001	-.001	0	%100
24	GSI6	X	-.002	-.002	0	%100
25	INT1	X	-.001	-.001	0	%100
26	INT2	X	-.001	-.001	0	%100
27	INT3	X	0	0	0	%100
28	INT4	X	0	0	0	%100
29	INT5	X	-.002	-.002	0	%100
30	INT6	X	-.002	-.002	0	%100
31	MP-1	X	-.001	-.001	0	%100
32	MP-2	X	-.001	-.001	0	%100
33	MP-3	X	-.001	-.001	0	%100
34	MP-4	X	-.001	-.001	0	%100
35	MP-5	X	-.001	-.001	0	%100
36	MP-6	X	-.001	-.001	0	%100
37	MP-7	X	-.001	-.001	0	%100
38	MP-8	X	-.001	-.001	0	%100
39	MP-9	X	-.001	-.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M82	X	-.002	-.002	0	%100
41	M83	X	-.002	-.002	0	%100
42	M84	X	0	0	0	%100
43	SA1	X	-.002	-.002	0	%100
44	SA2	X	-.003	-.003	0	%100
45	SA3	X	-.001	-.001	0	%100
46	FF-H	X	-.000983	-.000983	0	%100
47	FF-V1	X	-.002	-.002	0	%100
48	FF-V2	X	-.002	-.002	0	%100
49	FF-V3	X	-.002	-.002	0	%100
50	FF-V4	X	-.002	-.002	0	%100
51	FF-V5	X	-.002	-.002	0	%100
52	FF-V6	X	-.002	-.002	0	%100
53	SF1-H	X	-.002	-.002	0	%100
54	SF1-V1	X	-.002	-.002	0	%100
55	SF1-V2	X	-.002	-.002	0	%100
56	SF1-V3	X	-.002	-.002	0	%100
57	SF1-V4	X	-.002	-.002	0	%100
58	SF1-V5	X	-.002	-.002	0	%100
59	SF1-V6	X	-.002	-.002	0	%100
60	SF2-H	X	-.000881	-.000881	0	%100
61	SF2-V1	X	-.002	-.002	0	%100
62	SF2-V2	X	-.002	-.002	0	%100
63	SF2-V3	X	-.002	-.002	0	%100
64	SF2-V4	X	-.002	-.002	0	%100
65	SF2-V5	X	-.002	-.002	0	%100
66	SF2-V6	X	-.002	-.002	0	%100
67	RMP-3	X	-.001	-.001	0	%100
68	RMP-1	X	-.001	-.001	0	%100
69	RMP-2	X	-.001	-.001	0	%100
70	RMP-7	X	-.001	-.001	0	%100
71	RMP-6	X	-.001	-.001	0	%100
72	RMP-5	X	-.001	-.001	0	%100
73	RMP-4	X	-.001	-.001	0	%100
74	FF-D1	Z	.004	.004	0	%100
75	FF-D2	Z	.004	.004	0	%100
76	FF-D3	Z	.004	.004	0	%100
77	FF-D4	Z	.004	.004	0	%100
78	SF1-D1	Z	.004	.004	0	%100
79	SF1-D2	Z	.004	.004	0	%100
80	SF1-D3	Z	.004	.004	0	%100
81	SF1-D4	Z	.004	.004	0	%100
82	SF2-D1	Z	.004	.004	0	%100
83	SF2-D2	Z	.004	.004	0	%100
84	SF2-D3	Z	.004	.004	0	%100
85	SF2-D4	Z	.004	.004	0	%100
86	FF-BH	Z	.003	.003	0	%100
87	SF1-BH	Z	.007	.007	0	%100
88	SF2-BH	Z	.003	.003	0	%100
89	FF-TH	Z	.002	.002	0	%100
90	SF1-TH	Z	.005	.005	0	%100
91	SF2-TH	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
92	GSI1	Z	.005	.005	0	%100
93	GSI2	Z	.003	.003	0	%100
94	GSI3	Z	.002	.002	0	%100
95	GSI4	Z	.005	.005	0	%100
96	GSI5	Z	.003	.003	0	%100
97	GSI6	Z	.002	.002	0	%100
98	INT1	Z	.003	.003	0	%100
99	INT2	Z	.003	.003	0	%100
100	INT3	Z	0	0	0	%100
101	INT4	Z	0	0	0	%100
102	INT5	Z	.003	.003	0	%100
103	INT6	Z	.003	.003	0	%100
104	MP-1	Z	.002	.002	0	%100
105	MP-2	Z	.003	.003	0	%100
106	MP-3	Z	.003	.003	0	%100
107	MP-4	Z	.002	.002	0	%100
108	MP-5	Z	.003	.003	0	%100
109	MP-6	Z	.003	.003	0	%100
110	MP-7	Z	.002	.002	0	%100
111	MP-8	Z	.003	.003	0	%100
112	MP-9	Z	.003	.003	0	%100
113	M82	Z	.003	.003	0	%100
114	M83	Z	.003	.003	0	%100
115	M84	Z	0	0	0	%100
116	SA1	Z	.003	.003	0	%100
117	SA2	Z	.005	.005	0	%100
118	SA3	Z	.003	.003	0	%100
119	FF-H	Z	.002	.002	0	%100
120	FF-V1	Z	.003	.003	0	%100
121	FF-V2	Z	.003	.003	0	%100
122	FF-V3	Z	.003	.003	0	%100
123	FF-V4	Z	.003	.003	0	%100
124	FF-V5	Z	.003	.003	0	%100
125	FF-V6	Z	.003	.003	0	%100
126	SF1-H	Z	.003	.003	0	%100
127	SF1-V1	Z	.003	.003	0	%100
128	SF1-V2	Z	.003	.003	0	%100
129	SF1-V3	Z	.003	.003	0	%100
130	SF1-V4	Z	.003	.003	0	%100
131	SF1-V5	Z	.003	.003	0	%100
132	SF1-V6	Z	.003	.003	0	%100
133	SF2-H	Z	.002	.002	0	%100
134	SF2-V1	Z	.003	.003	0	%100
135	SF2-V2	Z	.003	.003	0	%100
136	SF2-V3	Z	.003	.003	0	%100
137	SF2-V4	Z	.003	.003	0	%100
138	SF2-V5	Z	.003	.003	0	%100
139	SF2-V6	Z	.003	.003	0	%100
140	RMP-3	Z	.002	.002	0	%100
141	RMP-1	Z	.002	.002	0	%100
142	RMP-2	Z	.002	.002	0	%100
143	RMP-7	Z	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
144	RMP-6	Z	.002	.002	0	%100
145	RMP-5	Z	.002	.002	0	%100
146	RMP-4	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.003	-.003	0	%100
2	FF-D2	X	-.003	-.003	0	%100
3	FF-D3	X	-.003	-.003	0	%100
4	FF-D4	X	-.003	-.003	0	%100
5	SF1-D1	X	-.003	-.003	0	%100
6	SF1-D2	X	-.003	-.003	0	%100
7	SF1-D3	X	-.003	-.003	0	%100
8	SF1-D4	X	-.003	-.003	0	%100
9	SF2-D1	X	-.003	-.003	0	%100
10	SF2-D2	X	-.003	-.003	0	%100
11	SF2-D3	X	-.003	-.003	0	%100
12	SF2-D4	X	-.003	-.003	0	%100
13	FF-BH	X	-.004	-.004	0	%100
14	SF1-BH	X	-.004	-.004	0	%100
15	SF2-BH	X	-.001	-.001	0	%100
16	FF-TH	X	-.003	-.003	0	%100
17	SF1-TH	X	-.004	-.004	0	%100
18	SF2-TH	X	-.000964	-.000964	0	%100
19	GSI1	X	-.004	-.004	0	%100
20	GSI2	X	-.001	-.001	0	%100
21	GSI3	X	-.003	-.003	0	%100
22	GSI4	X	-.004	-.004	0	%100
23	GSI5	X	-.001	-.001	0	%100
24	GSI6	X	-.003	-.003	0	%100
25	INT1	X	-.002	-.002	0	%100
26	INT2	X	-.002	-.002	0	%100
27	INT3	X	-.000687	-.000687	0	%100
28	INT4	X	-.000687	-.000687	0	%100
29	INT5	X	-.003	-.003	0	%100
30	INT6	X	-.003	-.003	0	%100
31	MP-1	X	-.002	-.002	0	%100
32	MP-2	X	-.002	-.002	0	%100
33	MP-3	X	-.002	-.002	0	%100
34	MP-4	X	-.002	-.002	0	%100
35	MP-5	X	-.002	-.002	0	%100
36	MP-6	X	-.002	-.002	0	%100
37	MP-7	X	-.002	-.002	0	%100
38	MP-8	X	-.002	-.002	0	%100
39	MP-9	X	-.002	-.002	0	%100
40	M82	X	-.002	-.002	0	%100
41	M83	X	-.002	-.002	0	%100
42	M84	X	-.000658	-.000658	0	%100
43	SA1	X	-.003	-.003	0	%100
44	SA2	X	-.004	-.004	0	%100
45	SA3	X	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	FF-H	X	-.002	-.002	0	%100
47	FF-V1	X	-.003	-.003	0	%100
48	FF-V2	X	-.003	-.003	0	%100
49	FF-V3	X	-.003	-.003	0	%100
50	FF-V4	X	-.003	-.003	0	%100
51	FF-V5	X	-.003	-.003	0	%100
52	FF-V6	X	-.003	-.003	0	%100
53	SF1-H	X	-.002	-.002	0	%100
54	SF1-V1	X	-.003	-.003	0	%100
55	SF1-V2	X	-.003	-.003	0	%100
56	SF1-V3	X	-.003	-.003	0	%100
57	SF1-V4	X	-.003	-.003	0	%100
58	SF1-V5	X	-.003	-.003	0	%100
59	SF1-V6	X	-.003	-.003	0	%100
60	SF2-H	X	-.000645	-.000645	0	%100
61	SF2-V1	X	-.003	-.003	0	%100
62	SF2-V2	X	-.003	-.003	0	%100
63	SF2-V3	X	-.003	-.003	0	%100
64	SF2-V4	X	-.003	-.003	0	%100
65	SF2-V5	X	-.003	-.003	0	%100
66	SF2-V6	X	-.003	-.003	0	%100
67	RMP-3	X	-.002	-.002	0	%100
68	RMP-1	X	-.002	-.002	0	%100
69	RMP-2	X	-.002	-.002	0	%100
70	RMP-7	X	-.002	-.002	0	%100
71	RMP-6	X	-.002	-.002	0	%100
72	RMP-5	X	-.002	-.002	0	%100
73	RMP-4	X	-.002	-.002	0	%100
74	FF-D1	Z	.003	.003	0	%100
75	FF-D2	Z	.003	.003	0	%100
76	FF-D3	Z	.003	.003	0	%100
77	FF-D4	Z	.003	.003	0	%100
78	SF1-D1	Z	.003	.003	0	%100
79	SF1-D2	Z	.003	.003	0	%100
80	SF1-D3	Z	.003	.003	0	%100
81	SF1-D4	Z	.003	.003	0	%100
82	SF2-D1	Z	.003	.003	0	%100
83	SF2-D2	Z	.003	.003	0	%100
84	SF2-D3	Z	.003	.003	0	%100
85	SF2-D4	Z	.003	.003	0	%100
86	FF-BH	Z	.004	.004	0	%100
87	SF1-BH	Z	.005	.005	0	%100
88	SF2-BH	Z	.001	.001	0	%100
89	FF-TH	Z	.003	.003	0	%100
90	SF1-TH	Z	.004	.004	0	%100
91	SF2-TH	Z	.001	.001	0	%100
92	GSI1	Z	.004	.004	0	%100
93	GSI2	Z	.001	.001	0	%100
94	GSI3	Z	.003	.003	0	%100
95	GSI4	Z	.004	.004	0	%100
96	GSI5	Z	.001	.001	0	%100
97	GSI6	Z	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Member Distributed Loads (BLC 33 : 315 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
98	INT1	Z	.002	.002	0	%100
99	INT2	Z	.002	.002	0	%100
100	INT3	Z	.000644	.000644	0	%100
101	INT4	Z	.000644	.000644	0	%100
102	INT5	Z	.002	.002	0	%100
103	INT6	Z	.002	.002	0	%100
104	MP-1	Z	.002	.002	0	%100
105	MP-2	Z	.002	.002	0	%100
106	MP-3	Z	.002	.002	0	%100
107	MP-4	Z	.002	.002	0	%100
108	MP-5	Z	.002	.002	0	%100
109	MP-6	Z	.002	.002	0	%100
110	MP-7	Z	.002	.002	0	%100
111	MP-8	Z	.002	.002	0	%100
112	MP-9	Z	.002	.002	0	%100
113	M82	Z	.002	.002	0	%100
114	M83	Z	.002	.002	0	%100
115	M84	Z	.000657	.000657	0	%100
116	SA1	Z	.003	.003	0	%100
117	SA2	Z	.004	.004	0	%100
118	SA3	Z	.001	.001	0	%100
119	FF-H	Z	.002	.002	0	%100
120	FF-V1	Z	.003	.003	0	%100
121	FF-V2	Z	.003	.003	0	%100
122	FF-V3	Z	.003	.003	0	%100
123	FF-V4	Z	.003	.003	0	%100
124	FF-V5	Z	.003	.003	0	%100
125	FF-V6	Z	.003	.003	0	%100
126	SF1-H	Z	.003	.003	0	%100
127	SF1-V1	Z	.003	.003	0	%100
128	SF1-V2	Z	.003	.003	0	%100
129	SF1-V3	Z	.003	.003	0	%100
130	SF1-V4	Z	.003	.003	0	%100
131	SF1-V5	Z	.003	.003	0	%100
132	SF1-V6	Z	.003	.003	0	%100
133	SF2-H	Z	.000702	.000702	0	%100
134	SF2-V1	Z	.003	.003	0	%100
135	SF2-V2	Z	.003	.003	0	%100
136	SF2-V3	Z	.003	.003	0	%100
137	SF2-V4	Z	.003	.003	0	%100
138	SF2-V5	Z	.003	.003	0	%100
139	SF2-V6	Z	.003	.003	0	%100
140	RMP-3	Z	.002	.002	0	%100
141	RMP-1	Z	.002	.002	0	%100
142	RMP-2	Z	.002	.002	0	%100
143	RMP-7	Z	.002	.002	0	%100
144	RMP-6	Z	.002	.002	0	%100
145	RMP-5	Z	.002	.002	0	%100
146	RMP-4	Z	.002	.002	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FF-D1	X	-.003	-.003	0	%100
2	FF-D2	X	-.003	-.003	0	%100
3	FF-D3	X	-.003	-.003	0	%100
4	FF-D4	X	-.003	-.003	0	%100
5	SF1-D1	X	-.003	-.003	0	%100
6	SF1-D2	X	-.003	-.003	0	%100
7	SF1-D3	X	-.003	-.003	0	%100
8	SF1-D4	X	-.003	-.003	0	%100
9	SF2-D1	X	-.003	-.003	0	%100
10	SF2-D2	X	-.003	-.003	0	%100
11	SF2-D3	X	-.003	-.003	0	%100
12	SF2-D4	X	-.003	-.003	0	%100
13	FF-BH	X	-.006	-.006	0	%100
14	SF1-BH	X	-.005	-.005	0	%100
15	SF2-BH	X	0	0	0	%100
16	FF-TH	X	-.005	-.005	0	%100
17	SF1-TH	X	-.004	-.004	0	%100
18	SF2-TH	X	0	0	0	%100
19	GSI1	X	-.004	-.004	0	%100
20	GSI2	X	0	0	0	%100
21	GSI3	X	-.005	-.005	0	%100
22	GSI4	X	-.004	-.004	0	%100
23	GSI5	X	0	0	0	%100
24	GSI6	X	-.005	-.005	0	%100
25	INT1	X	-.001	-.001	0	%100
26	INT2	X	-.001	-.001	0	%100
27	INT3	X	-.002	-.002	0	%100
28	INT4	X	-.002	-.002	0	%100
29	INT5	X	-.003	-.003	0	%100
30	INT6	X	-.003	-.003	0	%100
31	MP-1	X	-.002	-.002	0	%100
32	MP-2	X	-.002	-.002	0	%100
33	MP-3	X	-.002	-.002	0	%100
34	MP-4	X	-.002	-.002	0	%100
35	MP-5	X	-.002	-.002	0	%100
36	MP-6	X	-.002	-.002	0	%100
37	MP-7	X	-.002	-.002	0	%100
38	MP-8	X	-.002	-.002	0	%100
39	MP-9	X	-.002	-.002	0	%100
40	M82	X	-.002	-.002	0	%100
41	M83	X	-.003	-.003	0	%100
42	M84	X	-.002	-.002	0	%100
43	SA1	X	-.005	-.005	0	%100
44	SA2	X	-.004	-.004	0	%100
45	SA3	X	0	0	0	%100
46	FF-H	X	-.003	-.003	0	%100
47	FF-V1	X	-.003	-.003	0	%100
48	FF-V2	X	-.003	-.003	0	%100
49	FF-V3	X	-.003	-.003	0	%100
50	FF-V4	X	-.003	-.003	0	%100
51	FF-V5	X	-.003	-.003	0	%100
52	FF-V6	X	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
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Member Distributed Loads (BLC 34 : 330 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	SF1-H	X	-.003	-.003	0	%100
54	SF1-V1	X	-.003	-.003	0	%100
55	SF1-V2	X	-.003	-.003	0	%100
56	SF1-V3	X	-.003	-.003	0	%100
57	SF1-V4	X	-.003	-.003	0	%100
58	SF1-V5	X	-.003	-.003	0	%100
59	SF1-V6	X	-.003	-.003	0	%100
60	SF2-H	X	0	0	0	%100
61	SF2-V1	X	-.003	-.003	0	%100
62	SF2-V2	X	-.003	-.003	0	%100
63	SF2-V3	X	-.003	-.003	0	%100
64	SF2-V4	X	-.003	-.003	0	%100
65	SF2-V5	X	-.003	-.003	0	%100
66	SF2-V6	X	-.003	-.003	0	%100
67	RMP-3	X	-.002	-.002	0	%100
68	RMP-1	X	-.002	-.002	0	%100
69	RMP-2	X	-.002	-.002	0	%100
70	RMP-7	X	-.002	-.002	0	%100
71	RMP-6	X	-.002	-.002	0	%100
72	RMP-5	X	-.002	-.002	0	%100
73	RMP-4	X	-.002	-.002	0	%100
74	FF-D1	Z	.002	.002	0	%100
75	FF-D2	Z	.002	.002	0	%100
76	FF-D3	Z	.002	.002	0	%100
77	FF-D4	Z	.002	.002	0	%100
78	SF1-D1	Z	.002	.002	0	%100
79	SF1-D2	Z	.002	.002	0	%100
80	SF1-D3	Z	.002	.002	0	%100
81	SF1-D4	Z	.002	.002	0	%100
82	SF2-D1	Z	.002	.002	0	%100
83	SF2-D2	Z	.002	.002	0	%100
84	SF2-D3	Z	.002	.002	0	%100
85	SF2-D4	Z	.002	.002	0	%100
86	FF-BH	Z	.003	.003	0	%100
87	SF1-BH	Z	.003	.003	0	%100
88	SF2-BH	Z	0	0	0	%100
89	FF-TH	Z	.002	.002	0	%100
90	SF1-TH	Z	.003	.003	0	%100
91	SF2-TH	Z	0	0	0	%100
92	GSI1	Z	.003	.003	0	%100
93	GSI2	Z	0	0	0	%100
94	GSI3	Z	.002	.002	0	%100
95	GSI4	Z	.003	.003	0	%100
96	GSI5	Z	0	0	0	%100
97	GSI6	Z	.002	.002	0	%100
98	INT1	Z	.000959	.000959	0	%100
99	INT2	Z	.000959	.000959	0	%100
100	INT3	Z	.00088	.00088	0	%100
101	INT4	Z	.00088	.00088	0	%100
102	INT5	Z	.002	.002	0	%100
103	INT6	Z	.002	.002	0	%100
104	MP-1	Z	.001	.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP-2	Z	.002	.002	0	%100
106	MP-3	Z	.002	.002	0	%100
107	MP-4	Z	.001	.001	0	%100
108	MP-5	Z	.002	.002	0	%100
109	MP-6	Z	.002	.002	0	%100
110	MP-7	Z	.001	.001	0	%100
111	MP-8	Z	.002	.002	0	%100
112	MP-9	Z	.002	.002	0	%100
113	M82	Z	.000907	.000907	0	%100
114	M83	Z	.002	.002	0	%100
115	M84	Z	.000897	.000897	0	%100
116	SA1	Z	.003	.003	0	%100
117	SA2	Z	.003	.003	0	%100
118	SA3	Z	0	0	0	%100
119	FF-H	Z	.002	.002	0	%100
120	FF-V1	Z	.002	.002	0	%100
121	FF-V2	Z	.002	.002	0	%100
122	FF-V3	Z	.002	.002	0	%100
123	FF-V4	Z	.002	.002	0	%100
124	FF-V5	Z	.002	.002	0	%100
125	FF-V6	Z	.002	.002	0	%100
126	SF1-H	Z	.002	.002	0	%100
127	SF1-V1	Z	.002	.002	0	%100
128	SF1-V2	Z	.002	.002	0	%100
129	SF1-V3	Z	.002	.002	0	%100
130	SF1-V4	Z	.002	.002	0	%100
131	SF1-V5	Z	.002	.002	0	%100
132	SF1-V6	Z	.002	.002	0	%100
133	SF2-H	Z	0	0	0	%100
134	SF2-V1	Z	.002	.002	0	%100
135	SF2-V2	Z	.002	.002	0	%100
136	SF2-V3	Z	.002	.002	0	%100
137	SF2-V4	Z	.002	.002	0	%100
138	SF2-V5	Z	.002	.002	0	%100
139	SF2-V6	Z	.002	.002	0	%100
140	RMP-3	Z	.001	.001	0	%100
141	RMP-1	Z	.001	.001	0	%100
142	RMP-2	Z	.001	.001	0	%100
143	RMP-7	Z	.001	.001	0	%100
144	RMP-6	Z	.001	.001	0	%100
145	RMP-5	Z	.001	.001	0	%100
146	RMP-4	Z	.001	.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SF1-BH	Y	-.0007473	-.007	9.6	11.733
2	SF1-BH	Y	-.007	-.008	11.733	13.867
3	SF1-BH	Y	-.008	-.002	13.867	16
4	SF2-BH	Y	-.007	-.01	0	1.28
5	SF2-BH	Y	-.01	-.013	1.28	2.56
6	SF2-BH	Y	-.013	-.01	2.56	3.84

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
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Member Distributed Loads (BLC 39 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	SF2-BH	Y	-.01	-.004	3.84	5.12
8	SF2-BH	Y	-.004	-.0003162	5.12	6.4
9	GSI3	Y	-.002	-.004	0	1.154
10	GSI3	Y	-.004	-.006	1.154	2.308
11	GSI3	Y	-.006	-.005	2.308	3.463
12	GSI3	Y	-.005	-.004	3.463	4.617
13	GSI3	Y	-.004	-.0008633	4.617	5.771
14	GSI6	Y	-.003	-.015	0	.967
15	GSI6	Y	-.015	-.019	.967	1.933
16	GSI6	Y	-.019	-.017	1.933	2.9
17	GSI6	Y	-.017	-.012	2.9	3.866
18	GSI6	Y	-.012	-.002	3.866	4.833
19	FF-BH	Y	-.007	-.01	0	1.28
20	FF-BH	Y	-.01	-.013	1.28	2.56
21	FF-BH	Y	-.013	-.01	2.56	3.84
22	FF-BH	Y	-.01	-.003	3.84	5.12
23	FF-BH	Y	-.003	-.0001669	5.12	6.4
24	SF2-BH	Y	-.0007473	-.007	9.6	11.733
25	SF2-BH	Y	-.007	-.008	11.733	13.867
26	SF2-BH	Y	-.008	-.002	13.867	16
27	GSI1	Y	-.001	-.004	0	1.154
28	GSI1	Y	-.004	-.005	1.154	2.308
29	GSI1	Y	-.005	-.005	2.308	3.462
30	GSI1	Y	-.005	-.004	3.462	4.617
31	GSI1	Y	-.004	-.003	4.617	5.771
32	GSI4	Y	-.003	-.015	0	.967
33	GSI4	Y	-.015	-.019	.967	1.933
34	GSI4	Y	-.019	-.017	1.933	2.9
35	GSI4	Y	-.017	-.012	2.9	3.866
36	GSI4	Y	-.012	-.002	3.866	4.833
37	FF-BH	Y	-.0008314	-.007	9.6	11.733
38	FF-BH	Y	-.007	-.008	11.733	13.867
39	FF-BH	Y	-.008	-.002	13.867	16
40	SF1-BH	Y	-.007	-.01	0	1.28
41	SF1-BH	Y	-.01	-.013	1.28	2.56
42	SF1-BH	Y	-.013	-.009	2.56	3.84
43	SF1-BH	Y	-.009	-.003	3.84	5.12
44	SF1-BH	Y	-.003	-.002	5.12	6.4
45	GSI2	Y	-.0008263	-.004	0	1.154
46	GSI2	Y	-.004	-.005	1.154	2.308
47	GSI2	Y	-.005	-.006	2.308	3.462
48	GSI2	Y	-.006	-.004	3.462	4.617
49	GSI2	Y	-.004	-.002	4.617	5.771
50	GSI5	Y	-.002	-.015	0	.967
51	GSI5	Y	-.015	-.019	.967	1.933
52	GSI5	Y	-.019	-.017	1.933	2.9
53	GSI5	Y	-.017	-.012	2.9	3.866
54	GSI5	Y	-.012	-.002	3.866	4.833
55	SF2-BH	Y	-.009	-.009	7.508	8.492
56	GSI1	Y	-.02	-.01	0	.866
57	GSI1	Y	-.01	4.897e-5	.866	1.731
58	GSI3	Y	4.946e-5	-.01	4.04	4.905

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	GSI3	Y	-.01	-.02	4.905	5.771
60	INT5	Y	-.119	-.103	.353	.417
61	INT5	Y	-.103	-.046	.417	.48
62	INT5	Y	-.046	.003	.48	.543
63	INT5	Y	.003	.003	.543	.607
64	INT5	Y	.003	.003	.607	.67
65	INT5	Y	.003	.003	.67	.734
66	INT5	Y	.003	.003	.734	.797
67	INT5	Y	.003	.003	.797	.86
68	INT5	Y	.003	.003	.86	.924
69	INT5	Y	.003	.003	.924	.987
70	INT5	Y	.003	.003	.987	1.051
71	INT5	Y	.003	.003	1.051	1.114
72	INT5	Y	.003	.003	1.114	1.177
73	INT5	Y	.003	.003	1.177	1.241
74	INT5	Y	.003	.003	1.241	1.304
75	INT5	Y	.003	.003	1.304	1.368
76	INT5	Y	.003	.003	1.368	1.431
77	INT5	Y	.003	-.1	1.431	1.494
78	INT5	Y	-.1	-.306	1.494	1.558
79	INT6	Y	-.12	-.103	.353	.417
80	INT6	Y	-.103	-.046	.417	.48
81	INT6	Y	-.046	.003	.48	.543
82	INT6	Y	.003	.003	.543	.607
83	INT6	Y	.003	.003	.607	.67
84	INT6	Y	.003	.003	.67	.734
85	INT6	Y	.003	.003	.734	.797
86	INT6	Y	.003	.003	.797	.86
87	INT6	Y	.003	.003	.86	.924
88	INT6	Y	.003	.003	.924	.987
89	INT6	Y	.003	.003	.987	1.051
90	INT6	Y	.003	.003	1.051	1.114
91	INT6	Y	.003	.003	1.114	1.177
92	INT6	Y	.003	.003	1.177	1.241
93	INT6	Y	.003	.003	1.241	1.304
94	INT6	Y	.003	.003	1.304	1.368
95	INT6	Y	.003	.003	1.368	1.431
96	INT6	Y	.003	-.1	1.431	1.494
97	INT6	Y	-.1	-.306	1.494	1.558
98	M83	Y	-.015	-.015	.254	.755
99	SA3	Y	-.005	-.009	.148	1.478
100	SA3	Y	-.009	-.006	1.478	2.809
101	SA3	Y	-.006	-.006	2.809	4.139
102	SA3	Y	-.006	-.009	4.139	5.47
103	SA3	Y	-.009	-.005	5.47	6.8
104	FF-BH	Y	-.009	-.009	7.508	8.492
105	GSI1	Y	4.897e-5	-.01	4.04	4.905
106	GSI1	Y	-.01	-.02	4.905	5.771
107	GSI2	Y	-.02	-.01	0	.866
108	GSI2	Y	-.01	4.946e-5	.866	1.731
109	INT1	Y	-.12	-.103	.353	.417
110	INT1	Y	-.103	-.046	.417	.48

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

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10:14 AM
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Member Distributed Loads (BLC 39 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
111	INT1	Y	-.046	.003	.48	.543
112	INT1	Y	.003	.003	.543	.607
113	INT1	Y	.003	.003	.607	.67
114	INT1	Y	.003	.003	.67	.734
115	INT1	Y	.003	.003	.734	.797
116	INT1	Y	.003	.003	.797	.86
117	INT1	Y	.003	.003	.86	.924
118	INT1	Y	.003	.003	.924	.987
119	INT1	Y	.003	.003	.987	1.051
120	INT1	Y	.003	.003	1.051	1.114
121	INT1	Y	.003	.003	1.114	1.177
122	INT1	Y	.003	.003	1.177	1.241
123	INT1	Y	.003	.003	1.241	1.304
124	INT1	Y	.003	.003	1.304	1.368
125	INT1	Y	.003	.003	1.368	1.431
126	INT1	Y	.003	-.1	1.431	1.494
127	INT1	Y	-.1	-.306	1.494	1.558
128	INT2	Y	-.119	-.103	.353	.417
129	INT2	Y	-.103	-.046	.417	.48
130	INT2	Y	-.046	.003	.48	.543
131	INT2	Y	.003	.003	.543	.607
132	INT2	Y	.003	.003	.607	.67
133	INT2	Y	.003	.003	.67	.734
134	INT2	Y	.003	.003	.734	.797
135	INT2	Y	.003	.003	.797	.86
136	INT2	Y	.003	.003	.86	.924
137	INT2	Y	.003	.003	.924	.987
138	INT2	Y	.003	.003	.987	1.051
139	INT2	Y	.003	.003	1.051	1.114
140	INT2	Y	.003	.003	1.114	1.177
141	INT2	Y	.003	.003	1.177	1.241
142	INT2	Y	.003	.003	1.241	1.304
143	INT2	Y	.003	.003	1.304	1.368
144	INT2	Y	.003	.003	1.368	1.431
145	INT2	Y	.003	-.1	1.431	1.494
146	INT2	Y	-.1	-.306	1.494	1.558
147	M82	Y	-.015	-.015	.254	.755
148	SA1	Y	-.005	-.009	.148	1.478
149	SA1	Y	-.009	-.006	1.478	2.809
150	SA1	Y	-.006	-.006	2.809	4.139
151	SA1	Y	-.006	-.009	4.139	5.47
152	SA1	Y	-.009	-.005	5.47	6.8
153	SF1-BH	Y	-.009	-.009	7.508	8.492
154	GSI2	Y	4.946e-5	-.01	4.04	4.905
155	GSI2	Y	-.01	-.02	4.905	5.771
156	GSI3	Y	-.02	-.01	0	.866
157	GSI3	Y	-.01	4.897e-5	.866	1.731
158	INT3	Y	-.119	-.103	.353	.417
159	INT3	Y	-.103	-.046	.417	.48
160	INT3	Y	-.046	.003	.48	.543
161	INT3	Y	.003	.003	.543	.607
162	INT3	Y	.003	.003	.607	.67

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
163	INT3	Y	.003	.003	.67	.734
164	INT3	Y	.003	.003	.734	.797
165	INT3	Y	.003	.003	.797	.86
166	INT3	Y	.003	.003	.86	.924
167	INT3	Y	.003	.003	.924	.987
168	INT3	Y	.003	.003	.987	1.051
169	INT3	Y	.003	.003	1.051	1.114
170	INT3	Y	.003	.003	1.114	1.177
171	INT3	Y	.003	.003	1.177	1.241
172	INT3	Y	.003	.003	1.241	1.304
173	INT3	Y	.003	.003	1.304	1.368
174	INT3	Y	.003	.003	1.368	1.431
175	INT3	Y	.003	-.1	1.431	1.494
176	INT3	Y	-.1	-.306	1.494	1.558
177	INT4	Y	-.12	-.103	.353	.417
178	INT4	Y	-.103	-.046	.417	.48
179	INT4	Y	-.046	.003	.48	.543
180	INT4	Y	.003	.003	.543	.607
181	INT4	Y	.003	.003	.607	.67
182	INT4	Y	.003	.003	.67	.734
183	INT4	Y	.003	.003	.734	.797
184	INT4	Y	.003	.003	.797	.86
185	INT4	Y	.003	.003	.86	.924
186	INT4	Y	.003	.003	.924	.987
187	INT4	Y	.003	.003	.987	1.051
188	INT4	Y	.003	.003	1.051	1.114
189	INT4	Y	.003	.003	1.114	1.177
190	INT4	Y	.003	.003	1.177	1.241
191	INT4	Y	.003	.003	1.241	1.304
192	INT4	Y	.003	.003	1.304	1.368
193	INT4	Y	.003	.003	1.368	1.431
194	INT4	Y	.003	-.1	1.431	1.494
195	INT4	Y	-.1	-.306	1.494	1.558
196	M84	Y	-.015	-.015	.254	.755
197	SA2	Y	-.005	-.009	.148	1.478
198	SA2	Y	-.009	-.006	1.478	2.809
199	SA2	Y	-.006	-.006	2.809	4.139
200	SA2	Y	-.006	-.009	4.139	5.47
201	SA2	Y	-.009	-.005	5.47	6.8
202	GSI3	Y	-.003	-.003	2.297	3.297
203	SA2	Y	-.001	-.012	3.474	4.632
204	SA2	Y	-.012	-.015	4.632	5.79
205	SA2	Y	-.015	-.001	5.79	6.948
206	SA3	Y	-.003	-.017	0	1.158
207	SA3	Y	-.017	-.012	1.158	2.316
208	SA3	Y	-.012	-.001	2.316	3.474
209	GSI1	Y	-.003	-.003	2.474	3.474
210	SA1	Y	-.001	-.015	0	1.158
211	SA1	Y	-.015	-.012	1.158	2.316
212	SA1	Y	-.012	-.001	2.316	3.474
213	SA3	Y	-.001	-.012	3.474	4.632
214	SA3	Y	-.012	-.017	4.632	5.79

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
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Checked By: WHW

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
215	SA3	Y	-.017	-.003	5.79	6.948
216	GSI2	Y	-.003	-.003	2.297	3.297
217	SA1	Y	-.001	-.012	3.474	4.632
218	SA1	Y	-.012	-.015	4.632	5.79
219	SA1	Y	-.015	-.001	5.79	6.948
220	SA2	Y	-.003	-.017	0	1.158
221	SA2	Y	-.017	-.012	1.158	2.316
222	SA2	Y	-.012	-.001	2.316	3.474

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SF1-BH	Y	-.0004982	-.004	9.6	11.733
2	SF1-BH	Y	-.004	-.005	11.733	13.867
3	SF1-BH	Y	-.005	-.001	13.867	16
4	SF2-BH	Y	-.005	-.007	0	1.28
5	SF2-BH	Y	-.007	-.009	1.28	2.56
6	SF2-BH	Y	-.009	-.007	2.56	3.84
7	SF2-BH	Y	-.007	-.003	3.84	5.12
8	SF2-BH	Y	-.003	-.0002108	5.12	6.4
9	GSI3	Y	-.001	-.003	0	1.154
10	GSI3	Y	-.003	-.004	1.154	2.308
11	GSI3	Y	-.004	-.004	2.308	3.463
12	GSI3	Y	-.004	-.002	3.463	4.617
13	GSI3	Y	-.002	-.0005756	4.617	5.771
14	GSI6	Y	-.002	-.01	0	.967
15	GSI6	Y	-.01	-.013	.967	1.933
16	GSI6	Y	-.013	-.011	1.933	2.9
17	GSI6	Y	-.011	-.008	2.9	3.866
18	GSI6	Y	-.008	-.001	3.866	4.833
19	FF-BH	Y	-.005	-.007	0	1.28
20	FF-BH	Y	-.007	-.009	1.28	2.56
21	FF-BH	Y	-.009	-.007	2.56	3.84
22	FF-BH	Y	-.007	-.003	3.84	5.12
23	FF-BH	Y	-.003	-.0002067	5.12	6.4
24	SF2-BH	Y	-.0004988	-.004	9.6	11.733
25	SF2-BH	Y	-.004	-.005	11.733	13.867
26	SF2-BH	Y	-.005	-.001	13.867	16
27	GSI1	Y	-.001	-.003	0	1.154
28	GSI1	Y	-.003	-.004	1.154	2.308
29	GSI1	Y	-.004	-.004	2.308	3.462
30	GSI1	Y	-.004	-.002	3.462	4.617
31	GSI1	Y	-.002	-.0005733	4.617	5.771
32	GSI4	Y	-.002	-.01	0	.967
33	GSI4	Y	-.01	-.013	.967	1.933
34	GSI4	Y	-.013	-.011	1.933	2.9
35	GSI4	Y	-.011	-.008	2.9	3.866
36	GSI4	Y	-.008	-.001	3.866	4.833
37	FF-BH	Y	-.0005548	-.005	9.6	11.733
38	FF-BH	Y	-.005	-.005	11.733	13.867
39	FF-BH	Y	-.005	-.001	13.867	16
40	SF1-BH	Y	-.005	-.007	0	1.28

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	SF1-BH	Y	-.007	-.009	1.28	2.56
42	SF1-BH	Y	-.009	-.006	2.56	3.84
43	SF1-BH	Y	-.006	-.002	3.84	5.12
44	SF1-BH	Y	-.002	-.001	5.12	6.4
45	GSI2	Y	-.000554	-.003	0	1.154
46	GSI2	Y	-.003	-.004	1.154	2.308
47	GSI2	Y	-.004	-.004	2.308	3.462
48	GSI2	Y	-.004	-.003	3.462	4.617
49	GSI2	Y	-.003	-.001	4.617	5.771
50	GSI5	Y	-.001	-.01	0	.967
51	GSI5	Y	-.01	-.013	.967	1.933
52	GSI5	Y	-.013	-.011	1.933	2.9
53	GSI5	Y	-.011	-.008	2.9	3.866
54	GSI5	Y	-.008	-.001	3.866	4.833
55	SF2-BH	Y	-.006	-.006	7.508	8.492
56	GSI1	Y	-.013	-.006	0	.866
57	GSI1	Y	-.006	3.265e-5	.866	1.731
58	GSI3	Y	3.297e-5	-.006	4.04	4.905
59	GSI3	Y	-.006	-.013	4.905	5.771
60	INT5	Y	-.08	-.069	.353	.417
61	INT5	Y	-.069	-.031	.417	.48
62	INT5	Y	-.031	.002	.48	.543
63	INT5	Y	.002	.002	.543	.607
64	INT5	Y	.002	.002	.607	.67
65	INT5	Y	.002	.002	.67	.734
66	INT5	Y	.002	.002	.734	.797
67	INT5	Y	.002	.002	.797	.86
68	INT5	Y	.002	.002	.86	.924
69	INT5	Y	.002	.002	.924	.987
70	INT5	Y	.002	.002	.987	1.051
71	INT5	Y	.002	.002	1.051	1.114
72	INT5	Y	.002	.002	1.114	1.177
73	INT5	Y	.002	.002	1.177	1.241
74	INT5	Y	.002	.002	1.241	1.304
75	INT5	Y	.002	.002	1.304	1.368
76	INT5	Y	.002	.002	1.368	1.431
77	INT5	Y	.002	-.067	1.431	1.494
78	INT5	Y	-.067	-.204	1.494	1.558
79	INT6	Y	-.08	-.069	.353	.417
80	INT6	Y	-.069	-.031	.417	.48
81	INT6	Y	-.031	.002	.48	.543
82	INT6	Y	.002	.002	.543	.607
83	INT6	Y	.002	.002	.607	.67
84	INT6	Y	.002	.002	.67	.734
85	INT6	Y	.002	.002	.734	.797
86	INT6	Y	.002	.002	.797	.86
87	INT6	Y	.002	.002	.86	.924
88	INT6	Y	.002	.002	.924	.987
89	INT6	Y	.002	.002	.987	1.051
90	INT6	Y	.002	.002	1.051	1.114
91	INT6	Y	.002	.002	1.114	1.177
92	INT6	Y	.002	.002	1.177	1.241

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
Checked By: WHW

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	INT6	Y	.002	.002	1.241	1.304
94	INT6	Y	.002	.002	1.304	1.368
95	INT6	Y	.002	.002	1.368	1.431
96	INT6	Y	.002	-.067	1.431	1.494
97	INT6	Y	-.067	-.204	1.494	1.558
98	M83	Y	-.01	-.01	.254	.755
99	SA3	Y	-.003	-.006	.148	1.478
100	SA3	Y	-.006	-.004	1.478	2.809
101	SA3	Y	-.004	-.004	2.809	4.139
102	SA3	Y	-.004	-.006	4.139	5.47
103	SA3	Y	-.006	-.003	5.47	6.8
104	FF-BH	Y	-.006	-.006	7.508	8.492
105	GSI1	Y	3.265e-5	-.006	4.04	4.905
106	GSI1	Y	-.006	-.013	4.905	5.771
107	GSI2	Y	-.013	-.006	0	.866
108	GSI2	Y	-.006	3.297e-5	.866	1.731
109	INT1	Y	-.08	-.069	.353	.417
110	INT1	Y	-.069	-.031	.417	.48
111	INT1	Y	-.031	.002	.48	.543
112	INT1	Y	.002	.002	.543	.607
113	INT1	Y	.002	.002	.607	.67
114	INT1	Y	.002	.002	.67	.734
115	INT1	Y	.002	.002	.734	.797
116	INT1	Y	.002	.002	.797	.86
117	INT1	Y	.002	.002	.86	.924
118	INT1	Y	.002	.002	.924	.987
119	INT1	Y	.002	.002	.987	1.051
120	INT1	Y	.002	.002	1.051	1.114
121	INT1	Y	.002	.002	1.114	1.177
122	INT1	Y	.002	.002	1.177	1.241
123	INT1	Y	.002	.002	1.241	1.304
124	INT1	Y	.002	.002	1.304	1.368
125	INT1	Y	.002	.002	1.368	1.431
126	INT1	Y	.002	-.067	1.431	1.494
127	INT1	Y	-.067	-.204	1.494	1.558
128	INT2	Y	-.08	-.069	.353	.417
129	INT2	Y	-.069	-.031	.417	.48
130	INT2	Y	-.031	.002	.48	.543
131	INT2	Y	.002	.002	.543	.607
132	INT2	Y	.002	.002	.607	.67
133	INT2	Y	.002	.002	.67	.734
134	INT2	Y	.002	.002	.734	.797
135	INT2	Y	.002	.002	.797	.86
136	INT2	Y	.002	.002	.86	.924
137	INT2	Y	.002	.002	.924	.987
138	INT2	Y	.002	.002	.987	1.051
139	INT2	Y	.002	.002	1.051	1.114
140	INT2	Y	.002	.002	1.114	1.177
141	INT2	Y	.002	.002	1.177	1.241
142	INT2	Y	.002	.002	1.241	1.304
143	INT2	Y	.002	.002	1.304	1.368
144	INT2	Y	.002	.002	1.368	1.431

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
145	INT2	Y	.002	-.067	1.431	1.494
146	INT2	Y	-.067	-.204	1.494	1.558
147	M82	Y	-.01	-.01	.254	.755
148	SA1	Y	-.003	-.006	.148	1.478
149	SA1	Y	-.006	-.004	1.478	2.809
150	SA1	Y	-.004	-.004	2.809	4.139
151	SA1	Y	-.004	-.006	4.139	5.47
152	SA1	Y	-.006	-.003	5.47	6.8
153	SF1-BH	Y	-.006	-.006	7.508	8.492
154	GSI2	Y	3.297e-5	-.006	4.04	4.905
155	GSI2	Y	-.006	-.013	4.905	5.771
156	GSI3	Y	-.013	-.006	0	.866
157	GSI3	Y	-.006	3.265e-5	.866	1.731
158	INT3	Y	-.08	-.069	.353	.417
159	INT3	Y	-.069	-.031	.417	.48
160	INT3	Y	-.031	.002	.48	.543
161	INT3	Y	.002	.002	.543	.607
162	INT3	Y	.002	.002	.607	.67
163	INT3	Y	.002	.002	.67	.734
164	INT3	Y	.002	.002	.734	.797
165	INT3	Y	.002	.002	.797	.86
166	INT3	Y	.002	.002	.86	.924
167	INT3	Y	.002	.002	.924	.987
168	INT3	Y	.002	.002	.987	1.051
169	INT3	Y	.002	.002	1.051	1.114
170	INT3	Y	.002	.002	1.114	1.177
171	INT3	Y	.002	.002	1.177	1.241
172	INT3	Y	.002	.002	1.241	1.304
173	INT3	Y	.002	.002	1.304	1.368
174	INT3	Y	.002	.002	1.368	1.431
175	INT3	Y	.002	-.067	1.431	1.494
176	INT3	Y	-.067	-.204	1.494	1.558
177	INT4	Y	-.08	-.069	.353	.417
178	INT4	Y	-.069	-.031	.417	.48
179	INT4	Y	-.031	.002	.48	.543
180	INT4	Y	.002	.002	.543	.607
181	INT4	Y	.002	.002	.607	.67
182	INT4	Y	.002	.002	.67	.734
183	INT4	Y	.002	.002	.734	.797
184	INT4	Y	.002	.002	.797	.86
185	INT4	Y	.002	.002	.86	.924
186	INT4	Y	.002	.002	.924	.987
187	INT4	Y	.002	.002	.987	1.051
188	INT4	Y	.002	.002	1.051	1.114
189	INT4	Y	.002	.002	1.114	1.177
190	INT4	Y	.002	.002	1.177	1.241
191	INT4	Y	.002	.002	1.241	1.304
192	INT4	Y	.002	.002	1.304	1.368
193	INT4	Y	.002	.002	1.368	1.431
194	INT4	Y	.002	-.067	1.431	1.494
195	INT4	Y	-.067	-.204	1.494	1.558
196	M84	Y	-.01	-.01	.254	.755

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
Checked By: WHW

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
197	SA2	Y	-.003	-.006	.148	1.478
198	SA2	Y	-.006	-.004	1.478	2.809
199	SA2	Y	-.004	-.004	2.809	4.139
200	SA2	Y	-.004	-.006	4.139	5.47
201	SA2	Y	-.006	-.003	5.47	6.8
202	GSI3	Y	-.002	-.002	2.297	3.297
203	SA2	Y	-.00068	-.008	3.474	4.632
204	SA2	Y	-.008	-.01	4.632	5.79
205	SA2	Y	-.01	-.00068	5.79	6.948
206	SA3	Y	-.002	-.011	0	1.158
207	SA3	Y	-.011	-.008	1.158	2.316
208	SA3	Y	-.008	-.0007481	2.316	3.474
209	GSI1	Y	-.002	-.002	2.474	3.474
210	SA1	Y	-.0006801	-.01	0	1.158
211	SA1	Y	-.01	-.008	1.158	2.316
212	SA1	Y	-.008	-.0006801	2.316	3.474
213	SA3	Y	-.0007486	-.008	3.474	4.632
214	SA3	Y	-.008	-.011	4.632	5.79
215	SA3	Y	-.011	-.002	5.79	6.948
216	GSI2	Y	-.002	-.002	2.297	3.297
217	SA1	Y	-.00068	-.008	3.474	4.632
218	SA1	Y	-.008	-.01	4.632	5.79
219	SA1	Y	-.01	-.00068	5.79	6.948
220	SA2	Y	-.002	-.011	0	1.158
221	SA2	Y	-.011	-.008	1.158	2.316
222	SA2	Y	-.008	-.0007481	2.316	3.474

Member Area Loads (BLC 1 : Dead)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N33	N8	N7		Y	Two Way	-.012
2	N5	N2	N6		Y	Two Way	-.012
3	N3	N1	N4		Y	Two Way	-.012
4	N9	N8	N5	N10	Y	Two Way	-.012
5	N6	N11	N12	N3	Y	Two Way	-.012
6	N13	N4	N7	N14	Y	Two Way	-.012
7	N9	N147	N146	N14	Y	Two Way	-.012
8	N148	N10	N11	N143	Y	Two Way	-.012
9	N144	N12	N13	N145	Y	Two Way	-.012

Member Area Loads (BLC 18 : Ice Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N33	N8	N7		Y	Two Way	-.008
2	N5	N2	N6		Y	Two Way	-.008
3	N3	N1	N4		Y	Two Way	-.008
4	N9	N8	N5	N10	Y	Two Way	-.008
5	N6	N11	N12	N3	Y	Two Way	-.008
6	N13	N4	N7	N14	Y	Two Way	-.008
7	N9	N147	N146	N14	Y	Two Way	-.008
8	N148	N10	N11	N143	Y	Two Way	-.008
9	N144	N12	N13	N145	Y	Two Way	-.008

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Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N149	max	.604	18	4.992	42	3.716	23	1.151	22	2.798	31	3.741	42
2		min	-.539	10	-.192	2	-3.708	31	-1.11	14	-2.805	23	-.159	2
3	N151	max	3.283	2	5.231	37	2.05	7	3.399	37	2.861	23	.59	10
4		min	-3.323	26	-.165	13	-2.124	31	-.24	14	-2.864	31	-2.204	34
5	N153	max	3.217	2	4.9	47	2.154	21	.278	6	2.88	21	.594	10
6		min	-3.244	26	-.212	7	-2.087	13	-3.118	47	-2.871	13	-2.191	34
7	Totals:	max	7.096	2	13.509	47	7.072	6						
8		min	-7.096	26	4.107	88	-7.072	30						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	INT3	L1.75X1.7...	.799	0	21	.051	2.156	y	20	23.175	26.341	.512	1.176	2...	H2-1
2	INT6	L1.75X1.7...	.793	0	31	.051	2.156	z	32	23.175	26.341	.512	1.176	2...	H2-1
3	INT1	L1.75X1.7...	.789	0	31	.051	2.156	y	29	23.175	26.341	.512	1.176	2...	H2-1
4	INT5	L1.75X1.7...	.786	0	26	.052	2.156	y	24	23.175	26.341	.512	1.176	2...	H2-1
5	INT2	L1.75X1.7...	.781	0	21	.050	2.156	z	23	23.175	26.341	.512	1.176	2...	H2-1
6	INT4	L1.75X1.7...	.755	0	26	.051	2.156	z	28	23.175	26.341	.512	1.176	2...	H2-1
7	SA3	C5X9	.724	3.474	37	.128	4.56	y	36	74.842	85.536	1.909	11.853	1...	H1-1b
8	SA1	C5X9	.708	3.474	42	.123	2.388	y	42	74.842	85.536	1.909	11.853	1...	H1-1b
9	SA2	C5X9	.687	3.474	47	.121	4.56	y	47	74.842	85.536	1.909	11.853	1...	H1-1b
10	GSI3	C5X9	.642	2.525	20	.229	2.885	z	22	74.851	85.536	1.909	11.853	1...	H1-1b
11	GSI2	C5X9	.617	2.525	30	.220	2.885	z	25	74.851	85.536	1.909	11.853	1...	H1-1b
12	GSI1	C5X9	.614	3.246	22	.225	2.885	z	19	74.851	85.536	1.909	11.853	1...	H1-1b
13	SF1-BH	C5X9	.486	10.167	21	.196	9.5	y	40	64.168	85.536	1.909	11.853	3...	H1-1b
14	SF2-BH	C5X9	.481	5.833	31	.204	9.5	y	45	64.168	85.536	1.909	11.853	3...	H1-1b
15	FF-BH	C5X9	.480	10.167	31	.203	6.5	y	49	64.168	85.536	1.909	11.853	3...	H1-1b
16	SF2-V3	L1.75X1.7...	.451	3	29	.335	0	z	33	14.649	26.341	.512	1.176	1...	H2-1
17	FF-V3	L1.75X1.7...	.437	3	18	.036	1.5	z	33	14.649	26.341	.512	1.176	1...	H2-1
18	FF-V4	L1.75X1.7...	.436	0	18	.036	1.5	z	18	14.649	26.341	.512	1.176	1...	H2-1
19	SF2-V4	L1.75X1.7...	.428	0	29	.033	1.5	z	29	14.649	26.341	.512	1.176	1...	H2-1
20	SF1-V4	L1.75X1.7...	.420	0	23	.034	1.5	z	24	14.649	26.341	.512	1.176	1...	H2-1
21	M83	PL1x14	.415	0	37	.174	0	y	33	438.798	453.6	9.45	132.3	1...	H1-1b
22	SF1-V3	L1.75X1.7...	.413	3	23	.036	1.5	z	22	14.649	26.341	.512	1.176	1...	H2-1
23	M82	PL1x14	.396	0	42	.179	0	y	22	438.798	453.6	9.45	132.3	1...	H1-1b
24	M84	PL1x14	.389	0	47	.177	0	y	19	438.798	453.6	9.45	132.3	1...	H1-1b
25	SF2-D2	L1.75X1.7...	.326	0	21	.011	0	y	29	8.24	26.341	.512	1.171	1...	H2-1
26	SF2-TH	L3X3X4	.326	14.219	17	.215	14.8...	y	28	3.11	46.656	1.688	2.862	1...	H2-1
27	SF1-D2	L1.75X1.7...	.323	0	8	.011	0	y	31	8.24	26.341	.512	1.165	1...	H2-1
28	SF1-TH	L3X3X4	.322	14.219	11	.208	14.8...	y	22	3.11	46.656	1.688	2.839	1...	H2-1
29	FF-TH	L3X3X4	.315	14.219	6	.191	14.8...	y	33	3.11	46.656	1.688	2.806	1...	H2-1
30	FF-D2	L1.75X1.7...	.312	0	3	.011	0	y	18	8.24	26.341	.512	1.174	1...	H2-1
31	SF2-D1	L1.75X1.7...	.306	1.904	22	.011	4.155	z	30	8.59	26.341	.512	1.077	1...	H2-1
32	FF-D1	L1.75X1.7...	.302	1.775	27	.010	0	y	20	8.59	26.341	.512	1.075	1...	H2-1
33	SF1-D1	L1.75X1.7...	.301	1.601	32	.011	4.155	z	24	8.59	26.341	.512	1.08	1...	H2-1
34	SF2-D4	L1.75X1.7...	.300	1.731	19	.010	0	z	26	8.59	26.341	.512	1.077	1...	H2-1
35	SF1-D4	L1.75X1.7...	.297	1.515	30	.010	0	z	21	8.59	26.341	.512	1.08	1...	H2-1
36	FF-D3	L1.75X1.7...	.289	0	17	.011	0	z	18	8.24	26.341	.512	1.172	1...	H2-1
37	SF1-D3	L1.75X1.7...	.287	0	6	.011	0	z	23	8.24	26.341	.512	1.175	1...	H2-1
38	SF2-D3	L1.75X1.7...	.287	0	20	.010	0	z	28	8.24	26.341	.512	1.172	1...	H2-1

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No. 217455.638743
Model Name : CCI BU No. 806368

Jan 7, 2022
10:14 AM
Checked By: WHW

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
39	FF-D4	L1.75X1.7...	.287	1.472	25	.010	0	z	31	8.59	26.341	.512	1.08	1...	H2-1
40	MP-7	PIPE 2.0	.281	4.521	21	.116	4.448		22	23.088	32.13	1.872	1.872	1...	H1-1b
41	MP-4	PIPE 2.0	.280	4.521	31	.116	4.448		32	23.088	32.13	1.872	1.872	1...	H1-1b
42	MP-2	PIPE 2.0	.225	4.667	18	.132	1.917		30	29.582	32.13	1.872	1.872	2...	H1-1b
43	MP-5	PIPE 2.0	.220	4.667	23	.135	1.917		20	29.582	32.13	1.872	1.872	2...	H1-1b
44	MP-8	PIPE 2.0	.203	4.667	29	.066	4.667		32	19.964	32.13	1.872	1.872	1...	H1-1b
45	MP-1	PIPE 2.0	.201	4.521	26	.120	4.448		27	23.088	32.13	1.872	1.872	1...	H1-1b
46	MP-6	PIPE 2.0	.182	4.667	31	.130	4.667		22	19.964	32.13	1.872	1.872	1...	H1-1b
47	MP-9	PIPE 2.0	.181	4.667	21	.133	4.667		27	19.964	32.13	1.872	1.872	2...	H1-1b
48	FF-V5	L1.75X1.7...	.171	1.25	42	.421	3	z	30	14.649	26.341	.512	1.176	2.7	H2-1
49	SF1-V5	L1.75X1.7...	.163	1.25	47	.421	3	z	19	14.649	26.341	.512	1.176	2...	H2-1
50	SF2-V5	L1.75X1.7...	.161	1.25	37	.422	3	z	25	14.649	26.341	.512	1.176	2...	H2-1
51	MP-3	PIPE 2.0	.142	4.667	26	.126	4.667		33	19.964	32.13	1.872	1.872	1...	H1-1b
52	FF-H	L1.75X1.7...	.111	0	21	.013	3	z	30	14.649	26.341	.512	1.176	2...	H2-1
53	SF2-H	L1.75X1.7...	.111	3	26	.014	0	z	18	14.649	26.341	.512	1.176	2...	H2-1
54	FF-V2	L1.75X1.7...	.109	1.75	41	.307	0	z	22	14.649	26.341	.512	1.176	2...	H2-1
55	GSI6	C5X9	.107	0	29	.004	0	z	28	62.332	85.536	1.909	11.853	1...	H1-1b
56	SF1-H	L1.75X1.7...	.106	0	26	.013	3	z	20	14.649	26.341	.512	1.176	2...	H2-1
57	GSI5	C5X9	.105	4.833	24	.004	0	z	22	62.332	85.536	1.909	11.853	1...	H1-1b
58	GSI4	C5X9	.097	0	18	.004	0	y	35	62.332	85.536	1.909	11.853	1...	H1-1b
59	SF1-V6	L1.75X1.7...	.092	3	7	.019	3	y	22	14.649	26.341	.512	1.171	1...	H2-1
60	SF2-V6	L1.75X1.7...	.090	3	13	.020	3	y	27	14.649	26.341	.512	1.166	1...	H2-1
61	FF-V6	L1.75X1.7...	.075	3	2	.019	0	y	33	14.649	26.341	.512	1.176	2...	H2-1
62	SF2-V1	L1.75X1.7...	.068	0	20	.019	3	y	22	14.649	26.341	.512	1.165	1...	H2-1
63	SF1-V1	L1.75X1.7...	.067	0	31	.019	3	y	33	14.649	26.341	.512	1.162	1...	H2-1
64	SF1-V2	L1.75X1.7...	.062	3	32	.029	3	y	31	14.649	26.341	.512	1.153	1...	H2-1
65	SF2-V2	L1.75X1.7...	.060	3	21	.030	3	y	21	14.649	26.341	.512	1.158	1...	H2-1
66	FF-V1	L1.75X1.7...	.055	0	26	.020	3	y	27	14.649	26.341	.512	1.176	2...	H2-1
67	RMP-6	PIPE 2.0	.051	1.5	32	.022	2		26	28.526	32.13	1.872	1.872	1...	H1-1b
68	RMP-4	PIPE 2.0	.050	.5	20	.049	.5		20	31.708	32.13	1.872	1.872	1...	H1-1b
69	RMP-2	PIPE 2.0	.049	.5	30	.048	.5		30	31.708	32.13	1.872	1.872	2...	H1-1b
70	RMP-3	PIPE 2.0	.029	1.5	30	.017	.5		22	28.526	32.13	1.872	1.872	2...	H1-1b
71	RMP-5	PIPE 2.0	.029	1.5	19	.017	.5		27	28.526	32.13	1.872	1.872	1...	H1-1b
72	RMP-7	PIPE 2.0	.029	1.5	25	.017	.5		32	28.526	32.13	1.872	1.872	1...	H1-1b
73	RMP-1	PIPE 2.0	.017	2.479	42	.007	1.021		37	28.526	32.13	1.872	1.872	4...	H1-1b

Envelope None Cold Formed Steel Code Checks

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

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.

APPENDIX D

ADDITIONAL CALCULATIONS

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.

Job Name: CCI BU No. 806368
Job Number: TEP #217455.638743
Calc: JCM Check: WHW
Date: 1/7/2022

Moment Bolt Group - Connection Angle

RISA 3D Results

$F_x =$	2.789	kip
$F_y =$	2.579	kip
$F_z =$	0.673	kip
$M_x =$	0.016	kip*ft
$M_y =$	0.252	kip*ft
$M_z =$	8.359	kip*ft

Code Checks Per ANSI/TIA-222-H		
Tension Capacity=	**2.9%**	PASS
Shear Capacity=	**62.4%**	PASS

Tension

$$T_{Total} = \frac{F_z}{3\ bolts} + \frac{M_y / 0.375\ ft}{1\ bolt}$$

$T_{Total} =$ *0.90 kip*

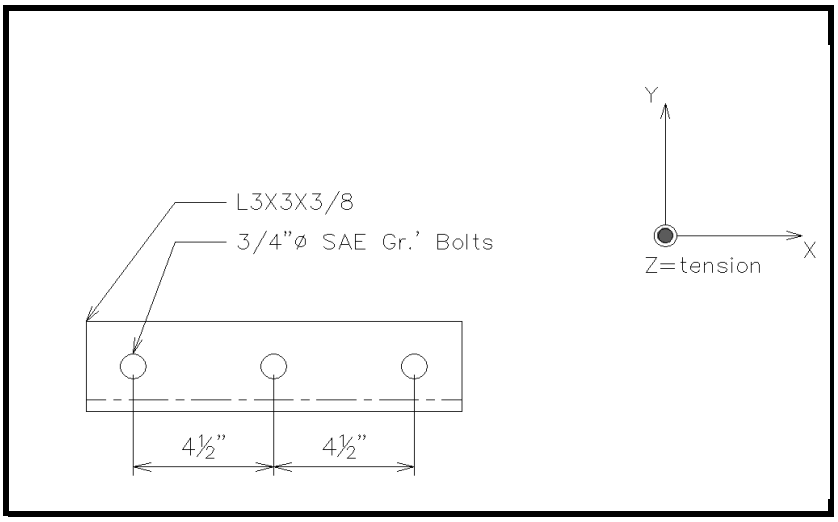
$$\emptyset T = \emptyset F_{ub} A_{nt}$$
$$\emptyset T = (.075)(120\ ksi)(0.344 in^2)$$
$\emptyset T =$ *30.96 kip*

Shear

$$V_{Total} = \frac{\sqrt{F_x^2 + F_y^2}}{3\ bolts} + \frac{M_z / 0.375\ ft}{2\ bolts}$$

$V_{Total} =$ *12.41 kip*

$$\emptyset V = \emptyset(0.625) Rb F_{ub} (0.8) A_b$$
$$\emptyset V = (0.75)(0.625)(1.0)(120 ksi)(0.8)\left(\frac{\pi}{4} \cdot 0.75 in^2\right)$$
$\emptyset V =$ *19.88 kip*



EBI Consulting

environmental | engineering | due diligence

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT
EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

AT&T Existing Facility

Site ID: CTL01100

806368
374 Three Mile Road
Glastonbury, Connecticut 06033

March 10, 2022

EBI Project Number: 6222001779

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**53.54%**

March 10, 2022

AT&T

Emissions Analysis for Site: CTL01100 - 806368

EBI Consulting was directed to analyze the proposed AT&T facility located at **374 Three Mile Road** in **Glastonbury, Connecticut** for the purpose of determining whether the emissions from the Proposed AT&T Antenna Installation located on this property are within specified federal limits.

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

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

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

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limits for the 600 MHz and 700 MHz frequency bands are approximately 400 $\mu W/cm^2$ and 467 $\mu W/cm^2$, respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 11 GHz frequency bands is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure.

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

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed AT&T Wireless antenna facility located at 374 Three Mile Road in Glastonbury, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since AT&T is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was focused at the base of the tower. For this report, the sample point is the top of a 6-foot person standing at the base of the tower. For power density calculations, the broadcast footprint of the AIR6449 antenna has been considered. Due to the beamforming nature of this antenna, the actual beam locations vary depending on demand and are narrow in nature. Using the broadcast footprint accounts for the potential location of beams at any given time.

For all calculations, all equipment was calculated using the following assumptions:

1) 4 LTE channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

2) 4 LTE FN channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

3) 4 5G channels (850 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

4) 4 LTE / 5G channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

5) 4 LTE / 5G channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

6) 2 C-Band Channels (3700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 144.58 Watts per Channel.

7) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.

8) For the following calculations, the sample point was the top of a 6-foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

9) The antennas used in this modeling are the CCI OPA65R-BU6DA for the 700 MHz / 1900 MHz channel(s), the Ericsson AIR 6419 for the 3700 MHz channel(s), the Ericsson AIR 6449 for the 3700 MHz channel(s), the CCI DMP65R-BU6DA for the 700 MHz / 850 MHz / 2100 MHz channel(s) in Sector A, the CCI OPA65R-BU8DA for the 700 MHz / 1900 MHz channel(s), the Ericsson AIR 6419 for the 3700 MHz channel(s), the Ericsson AIR 6449 for the 3700 MHz channel(s), the CCI DMP65R-BU6DA for the 700 MHz / 850 MHz / 2100 MHz channel(s) in Sector B, the CCI OPA65R-BU8DA for the 700 MHz / 1900 MHz channel(s), the Ericsson AIR 6419 for the 3700 MHz channel(s), the Ericsson AIR 6449 for the 3700 MHz channel(s), the CCI DMP65R-BU8DA for the 700 MHz / 850 MHz / 2100 MHz channel(s) in Sector C. This is based on feedback from the carrier with regard to anticipated antenna selection. All Antenna gain values and associated transmit power levels are shown in the Site Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

10) The antenna mounting height centerlines of the proposed antennas are 138, 140, and 142 feet above ground level (AGL).

11) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

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

AT&T Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	CCI OPA65R-BU6DA	Make / Model:	CCI OPA65R-BU8DA	Make / Model:	CCI OPA65R-BU8DA
Frequency Bands:	700 MHz / 1900 MHz	Frequency Bands:	700 MHz / 1900 MHz	Frequency Bands:	700 MHz / 1900 MHz
Gain:	12.15 dBd / 15.95 dBd	Gain:	13.55 dBd / 15.75 dBd	Gain:	13.55 dBd / 15.75 dBd
Height (AGL):	140 feet	Height (AGL):	140 feet	Height (AGL):	140 feet
Channel Count:	8	Channel Count:	8	Channel Count:	8
Total TX Power (W):	320.00 Watts	Total TX Power (W):	320.00 Watts	Total TX Power (W):	320.00 Watts
ERP (W):	8,921.74	ERP (W):	9,636.83	ERP (W):	9,636.83
Antenna A1 MPE %:	**2.39%**	Antenna B1 MPE %:	**2.76%**	Antenna C1 MPE %:	**2.76%**
Antenna #:	**2**	Antenna #:	**2**	Antenna #:	**2**
Make / Model:	Ericsson AIR 6419	Make / Model:	Ericsson AIR 6419	Make / Model:	Ericsson AIR 6419
Frequency Bands:	3700 MHz	Frequency Bands:	3700 MHz	Frequency Bands:	3700 MHz
Gain:	23.45 dBd	Gain:	23.45 dBd	Gain:	23.45 dBd
Height (AGL):	142 feet	Height (AGL):	142 feet	Height (AGL):	142 feet
Channel Count:	1	Channel Count:	1	Channel Count:	1
Total TX Power (W):	144.58 Watts	Total TX Power (W):	144.58 Watts	Total TX Power (W):	144.58 Watts
ERP (W):	31,996.92	ERP (W):	31,996.92	ERP (W):	31,996.92
Antenna A2 MPE %:	**6.22%**	Antenna B2 MPE %:	**6.22%**	Antenna C2 MPE %:	**6.22%**
Antenna #:	**3**	Antenna #:	**3**	Antenna #:	**3**
Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449
Frequency Bands:	3700 MHz	Frequency Bands:	3700 MHz	Frequency Bands:	3700 MHz
Gain:	23.45 dBd	Gain:	23.45 dBd	Gain:	23.45 dBd
Height (AGL):	138 feet	Height (AGL):	138 feet	Height (AGL):	138 feet
Channel Count:	1	Channel Count:	1	Channel Count:	1
Total TX Power (W):	144.58 Watts	Total TX Power (W):	144.58 Watts	Total TX Power (W):	144.58 Watts
ERP (W):	31,996.92	ERP (W):	31,996.92	ERP (W):	31,996.92
Antenna A3 MPE %:	**6.60%**	Antenna B3 MPE %:	**6.60%**	Antenna C3 MPE %:	**6.60%**
Antenna #:	**4**	Antenna #:	**4**	Antenna #:	**4**
Make / Model:	CCI DMP65R-BU6DA	Make / Model:	CCI DMP65R-BU6DA	Make / Model:	CCI DMP65R-BU8DA
Frequency Bands:	700 MHz / 850 MHz / 2100 MHz	Frequency Bands:	700 MHz / 850 MHz / 2100 MHz	Frequency Bands:	700 MHz / 850 MHz / 2100 MHz
Gain:	11.85 dBd / 12.45 dBd / 15.95 dBd	Gain:	11.85 dBd / 12.45 dBd / 16.05 dBd	Gain:	11.85 dBd / 12.45 dBd / 16.05 dBd
Height (AGL):	140 feet	Height (AGL):	140 feet	Height (AGL):	140 feet
Channel Count:	12	Channel Count:	12	Channel Count:	12
Total TX Power (W):	560.00 Watts	Total TX Power (W):	560.00 Watts	Total TX Power (W):	560.00 Watts
ERP (W):	14,707.62	ERP (W):	14,927.63	ERP (W):	14,927.63
Antenna A4 MPE %:	**3.93%**	Antenna B4 MPE %:	**3.98%**	Antenna C4 MPE %:	**3.98%**

• An adjusted power reduction factor of 0.32 was applied to the AIR 6449 antennas per guidance from AT&T.

• Specifications were not available for the Ericsson AIR 6419 antenna. Per AT&T, specifications for the AIR 6449 antenna were used to model the 6419 due to its similarity.

Site Composite MPE %	
Carrier	**MPE %**
AT&T (Max at Sector B):	19.56%
SIGFOX	0.03%
Nextel	0.4%
T-Mobile	19.85%
Verizon	9.26%
Sprint	0.65%
XM Sat Radio	3.79%
Site Total MPE % :	53.54%

AT&T MPE % Per Sector	
AT&T Sector A Total:	19.14%
AT&T Sector B Total:	19.56%
AT&T Sector C Total:	19.56%
Site Total MPE % :	53.54%

AT&T Maximum MPE Power Values (Sector B)

AT&T Frequency Band / Technology (Sector B)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density (μW/cm²)	Frequency (MHz)	Allowable MPE (μW/cm²)	Calculated % MPE
AT&T 700 MHz LTE FN	4	905.86	140.0	7.25	700 MHz LTE FN	467	1.55%
AT&T 1900 MHz LTE/5G	4	1503.35	140.0	12.04	1900 MHz LTE/5G	1000	1.20%
AT&T 3700 MHz C-Band	1	31996.92	142.0	62.19	3700 MHz C-Band	1000	6.22%
AT&T 3700 MHz C-Band	1	31996.92	138.0	66.02	3700 MHz C-Band	1000	6.60%
AT&T 700 MHz LTE	4	612.43	140.0	4.90	700 MHz LTE	467	1.05%
AT&T 850 MHz 5G	4	703.17	140.0	5.63	850 MHz 5G	567	0.99%
AT&T 2100 MHz LTE/5G	4	2416.30	140.0	19.35	2100 MHz LTE/5G	1000	1.94%
						Total:	**19.56%**

• NOTE: Totals may vary by approximately 0.01% due to summation of remainders in calculations.

Summary

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

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

AT&T Sector	Power Density Value (%)
Sector A:	19.14%
Sector B:	19.56%
Sector C:	19.56%
AT&T Maximum MPE % (Sector B):	19.56%
Site Total:	53.54%
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **53.54%** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

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

AT&T SITE NUMBER: CTL01100
AT&T SITE NAME: GLASTONBURY THREE MILE
AT&T FA CODE: 10035094
AT&T PACE NUMBER: MRCTB055013, MRCTB055840, MRCTB055847, MRCTB053815, MRCTB054856, MRCTB054562, MRCTB054435, MRCTB054297
AT&T PROJECT: 5G NR 1SR CBAND, 5G NR 1DR-1, 5G NR SOFTWARE RADIO, 5G NR ACTIVATION, CELL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR 1DR-1, ANTENNA MODIFICATIONSM 4TX4RX SOFTWARE RETROFIT, LTE NEXT CARRIER, LTE 3C

BUSINESS UNIT #: 806368
SITE ADDRESS: 374 THREE MILE RD. GLASTONBURY, CT 06033
COUNTY: HARTFORD
SITE TYPE: MONOPOLE
TOWER HEIGHT: 145'-0"

THIS SUBMISSION CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION THAT IS EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAWS. PLEASE MAKE SURE THESE PAGES ARE NOT DISCLOSED. IF ANY REQUEST IS MADE FOR THIS INFORMATION, PLEASE CONTACT THE SENDER IN ADDITION TO ANY LEGAL NOTICE REQUIREMENTS UNDER APPLICABLE LAW.
DISCLAIMER PROVIDED BY AT&T. THIS STATEMENT DOES NOT CONSTITUTE ENGINEERING ANALYSIS OR DESIGN.

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

CROWN CASTLE
3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

AT&T SITE NUMBER:
CTL01100

BU #: **806368**
HRT 049B 943215

374 THREE MILE RD.
GLASTONBURY, CT 06033

EXISTING
145'-0" MONOPOLE

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	HRT 049B 943215
SITE ADDRESS:	374 THREE MILE RD. GLASTONBURY, CT 06033
COUNTY:	HARTFORD
MAP/PARCEL #:	70600374
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.693564°
LONGITUDE:	-72.547418°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	534'
CURRENT ZONING:	RR - RURAL RESIDENCE
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	FLANAGAN JOSEPHINE I + JOHN R 366 THREE MILE RD GLASTONBURY, CT 06033
TOWER OWNER:	CROWN CASTLE USA INC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	AT&T TOWER ASSET GROUP 575 MOROSGO DRIVE ATLANTA, GA 30324-3300
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO (800) 286-2000
TELCO PROVIDER:	ATT (866) 852-2721

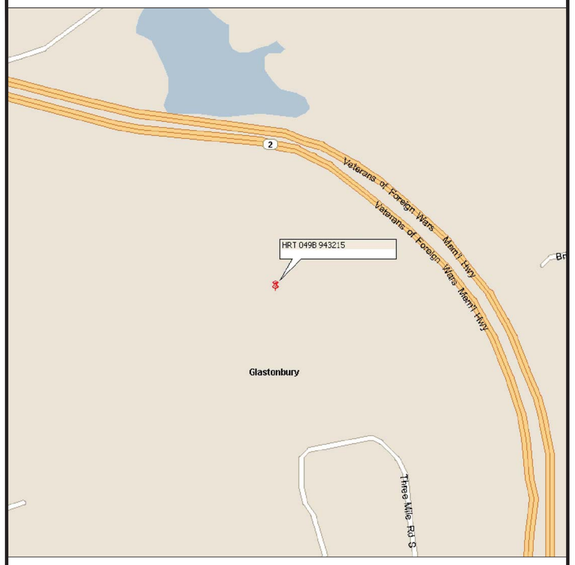
DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	SITE PLAN
C-1.2	EXISTING & FINAL EQUIPMENT PLANS
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	FINAL EQUIPMENT SCHEDULE
C-4	EQUIPMENT MOUNTING DETAILS
C-4.1	EQUIPMENT MOUNTING DETAILS
C-5 TO C-5.1	EQUIPMENT SPECS
E-1	POWER ANALYSIS
G-1	GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM

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

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

LOCATION MAP



NO SCALE

SITE PHOTO

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1505 WESTLAKE AVENUE NORTH, SUITE 800 SEATTLE, WA 98109 PAUL PEDICONE - PROJECT MANAGER PAUL.PEDICONE@CROWNCASTLE.COM JASON D'AMICO - CONSTRUCTION MANAGER JASON.DAMICO@CROWNCASTLE.COM

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (4) POWERWAVE - 7770 ANTENNAS
- REMOVE (1) CCI - HPA-65R-BUU-H6 ANTENNAS
- REMOVE (2) CCI - HPA-65R-BUU-H8 ANTENNAS
- REMOVE (2) POWERWAVE - P65-17-XLH-RR ANTENNAS
- REMOVE (3) POWERWAVE - TT19-08BP111-001 TMAs
- REMOVE (3) COMM COMPONENTS INC - DTMABP7819VG12A TMAs
- REMOVE (1) RAYCAP - DC6-48-60-18F
- REMOVE (3) ERICSSON - RRUS-11 B12 RADIOs
- REMOVE (1) FIBER CABLE
- REMOVE (6) COAX CABLES
- INSTALL (1) CCI - OPA65R-BU6DA ANTENNA
- INSTALL (2) CCI - OPA65R-BU8DA ANTENNAS
- INSTALL (6) ERICSSON - AIR6449 B77D+AIR6419 B77G STACKED ANTENNAS
- INSTALL (1) CCI - DMP65R-BU6DA ANTENNA
- INSTALL (2) CCI - DMP65R-BU8DA ANTENNAS
- INSTALL (2) RAYCAP - DC9-48-60-24-8C-EV
- INSTALL (3) ERICSSON - 4478 B14 RADIOs
- INSTALL (3) ERICSSON - 4449 B5/B12 RADIOs
- INSTALL (3) ERICSSON - 4426 B66 RADIOs
- INSTALL (2) FIBER CABLE
- INSTALL (4) DC CABLE
- INSTALL (3) Y CABLES

GROUND SCOPE OF WORK:
- REMOVE (6) LGP21901 DIPLEXER
- REMOVE (6) CM1007-DBPXBC-003 DIPLEXER
- INSTALL (3) RECTIFIERS IN EXISTING POWER PLANT
- INSTALL (1) DC12-48-60-RM IN FIF RACK
- INSTALL 4 WAY GPS SPLITTER FOR BBU CONFIGURATION
- INSTALL 6648 WITH XCEDE CABLE, ADD 6630 WITH IDLe

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	
MOUNT ANALYSIS:	TOWER ENGINEERING PROFESSIONALS
DATED:	1/7/22
RFDS REVISION:	FINAL
DATED:	2/14/22
ORDER ID:	586239
REVISION:	0

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	1/14/21	RPA	PRELIMINARY REVIEW	AY
B	1/25/21	FWP	PRELIMINARY REVIEW	MTJ
0	2/21/22	FWP	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

STATE OF MARYLAND · CHRISTINE M. BUTTLE · No. 29495 · REGISTERED · PROFESSIONAL ENGINEER
2/21/22

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.: 29495, EXPIRATION DATE: 9/15/23.

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

SHEET NUMBER: T-1
REVISION: 0

83033.006.01_HRT 049B 943215.dwg – Sheet:T-1 – User: fperkins – Feb 24, 2022 – 4:23pm

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED– NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800–788–7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" – CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:
   THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED–STD–10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA–322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS–STD–10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED–STD–10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA–1019–A–2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

   CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
   - SLAB AND WALLS..........3/4"
   - BEAMS AND COLUMNS..........1–1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

CONDUCTOR COLOR CODE

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

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AT&T SITE NUMBER:
CTL01100

BU #: **806368**
HRT 049B 943215

374 THREE MILE RD.
GLASTONBURY, CT 06033

EXISTING
145'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	1/14/21	RPA	PRELIMINARY REVIEW	AY
B	1/25/21	FWP	PRELIMINARY REVIEW	MTJ
0	2/21/22	FWP	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

STATE OF MARYLAND
CHAD E. TUTTLE
No. 29495
REGISTERED
PROFESSIONAL ENGINEER
2/21/22

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.: 29495, EXPIRATION DATE: 9/15/23.

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SHEET NUMBER: **T-2**
REVISION: **0**

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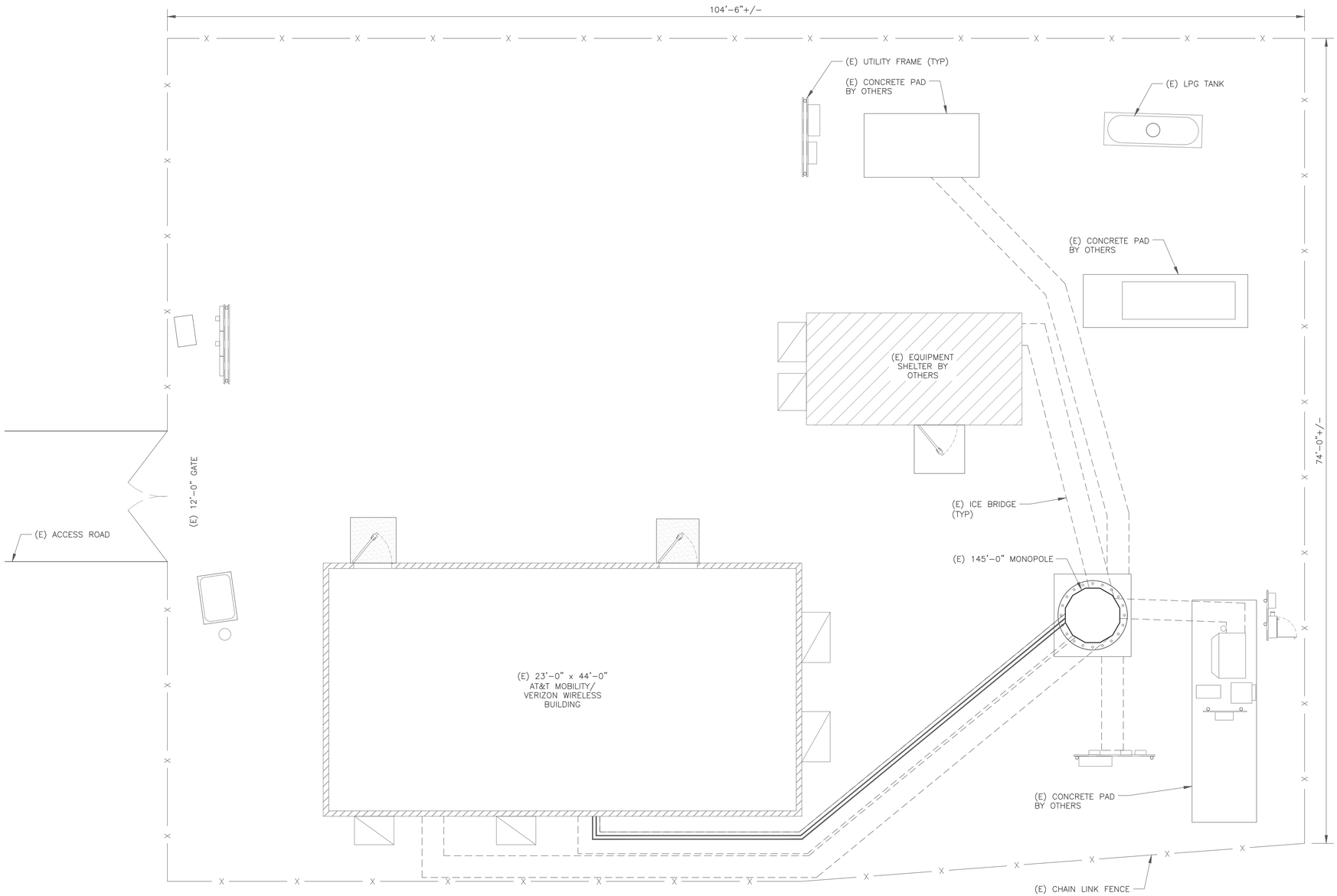

1 SITE PLAN
SCALE: 4' 2' 0 4' 3/16"=1'-0" (FULL SIZE) 3/32"=1'-0" (11x17)

N

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B&T ENGINEERING, INC.
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Expires 2/1/23

STATE OF MARYLAND · CHRISTOPHER M. BUTTLE · No. 29495 · REGISTERED PROFESSIONAL ENGINEER
2/21/22

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SHEET NUMBER: C-1.1
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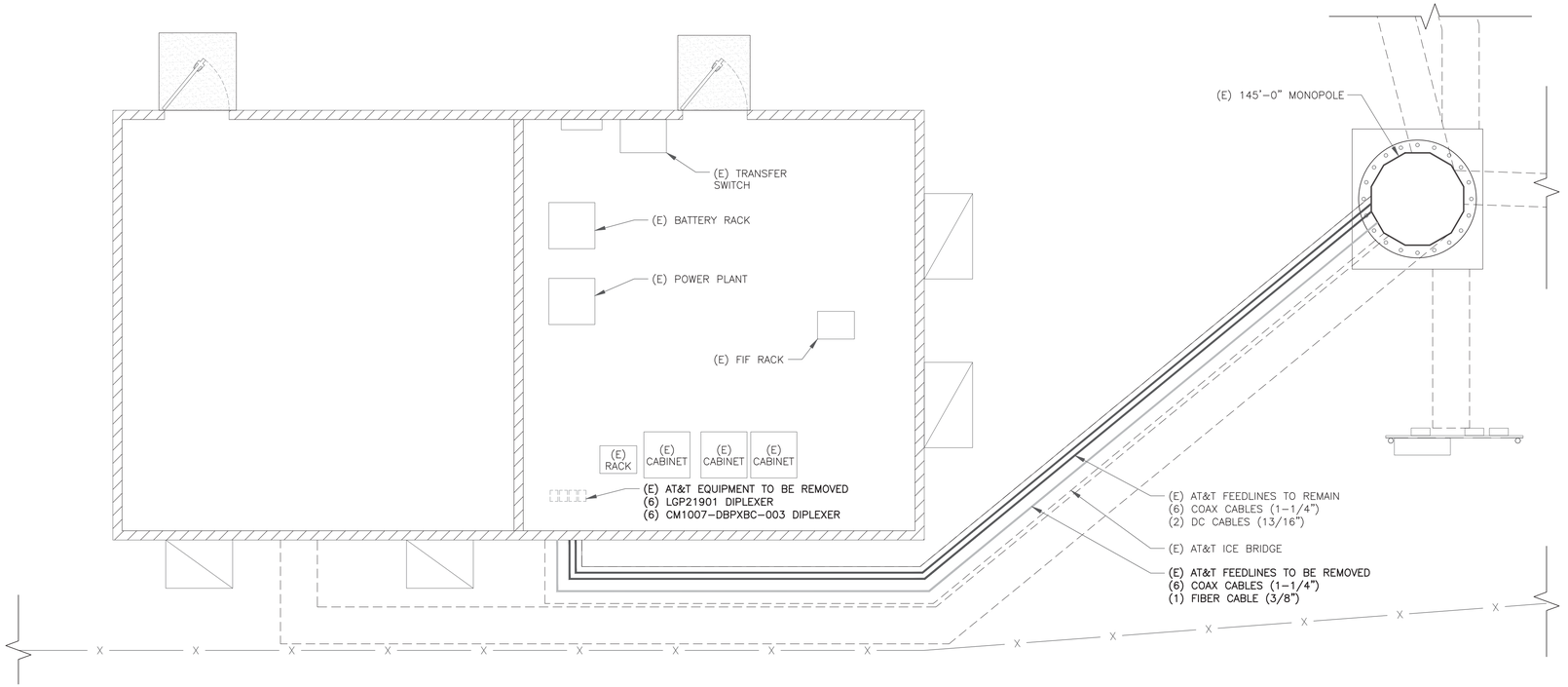
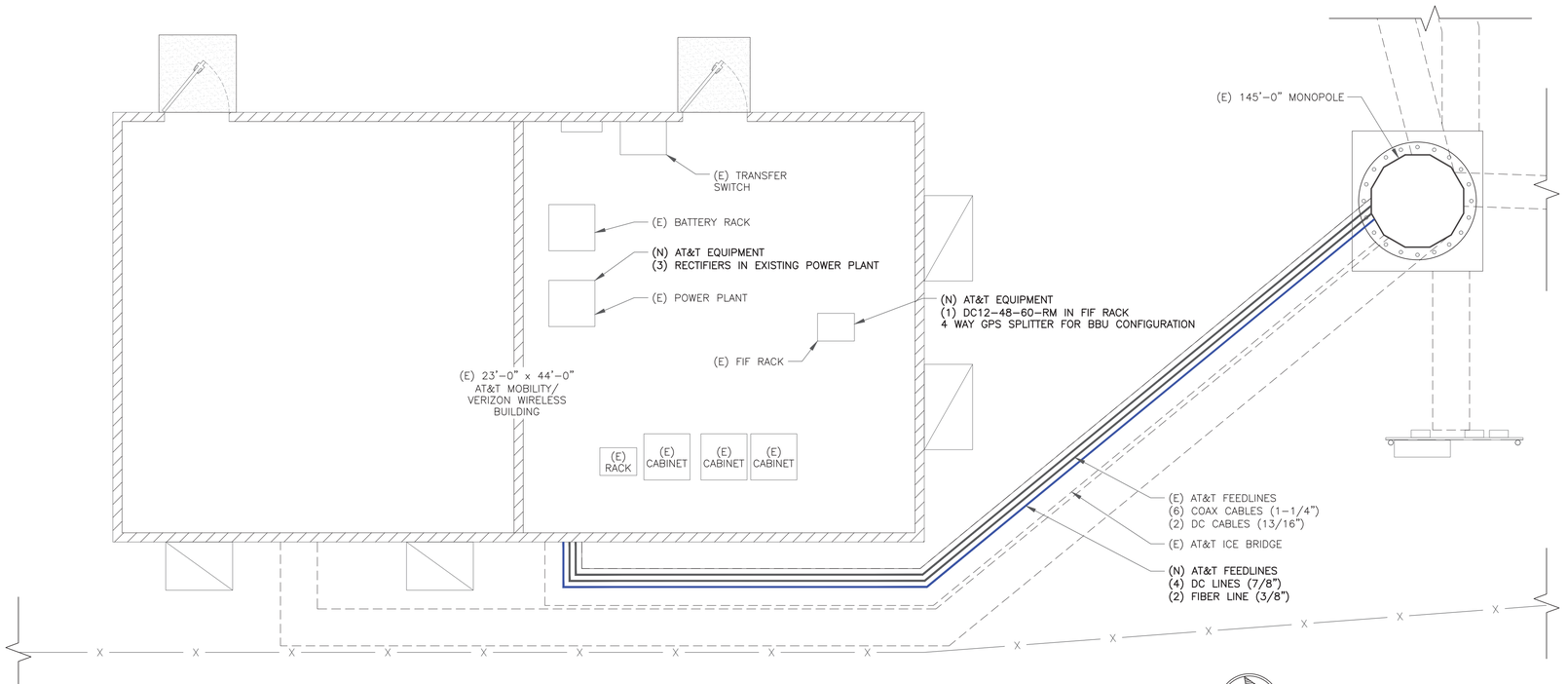


1 EXISTING EQUIPMENT PLAN
SCALE: 4' 3' 2' 1' 0 4'
1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)



2 FINAL EQUIPMENT PLAN
SCALE: 4' 3' 2' 1' 0 4'
1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)

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GROUND SCOPE OF WORK:

- INSTALL (3) RECTIFIERS IN EXISTING POWER PLANT
- INSTALL (1) DC12-48-60-RM IN FIF RACK
- INSTALL 4 WAY GPS SPLITTER FOR BBU CONFIGURATION

NOTE:

THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. AT&T IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.

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B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

STATE OF MARYLAND · CHARLES PUTTLE · No. 29495 · REGISTERED · PROFESSIONAL ENGINEER
2/21/22

PROFESSIONAL CERTIFICATION:
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SHEET NUMBER: C-1.2
REVISION: 0

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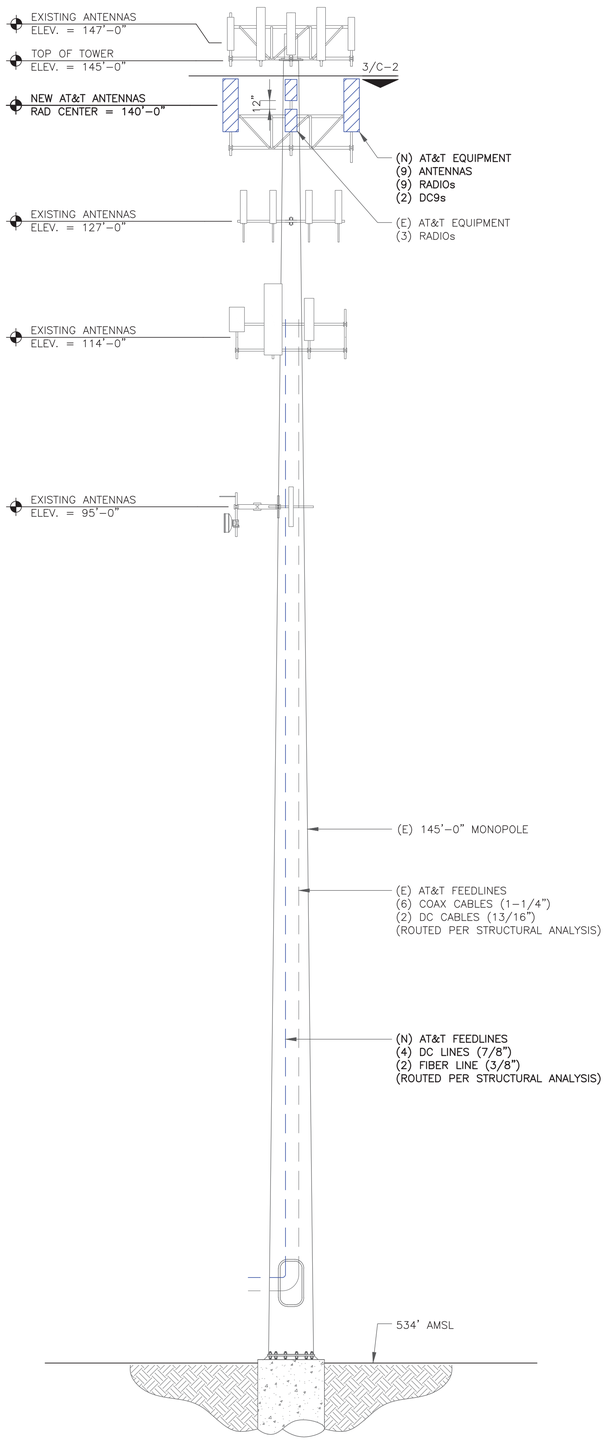
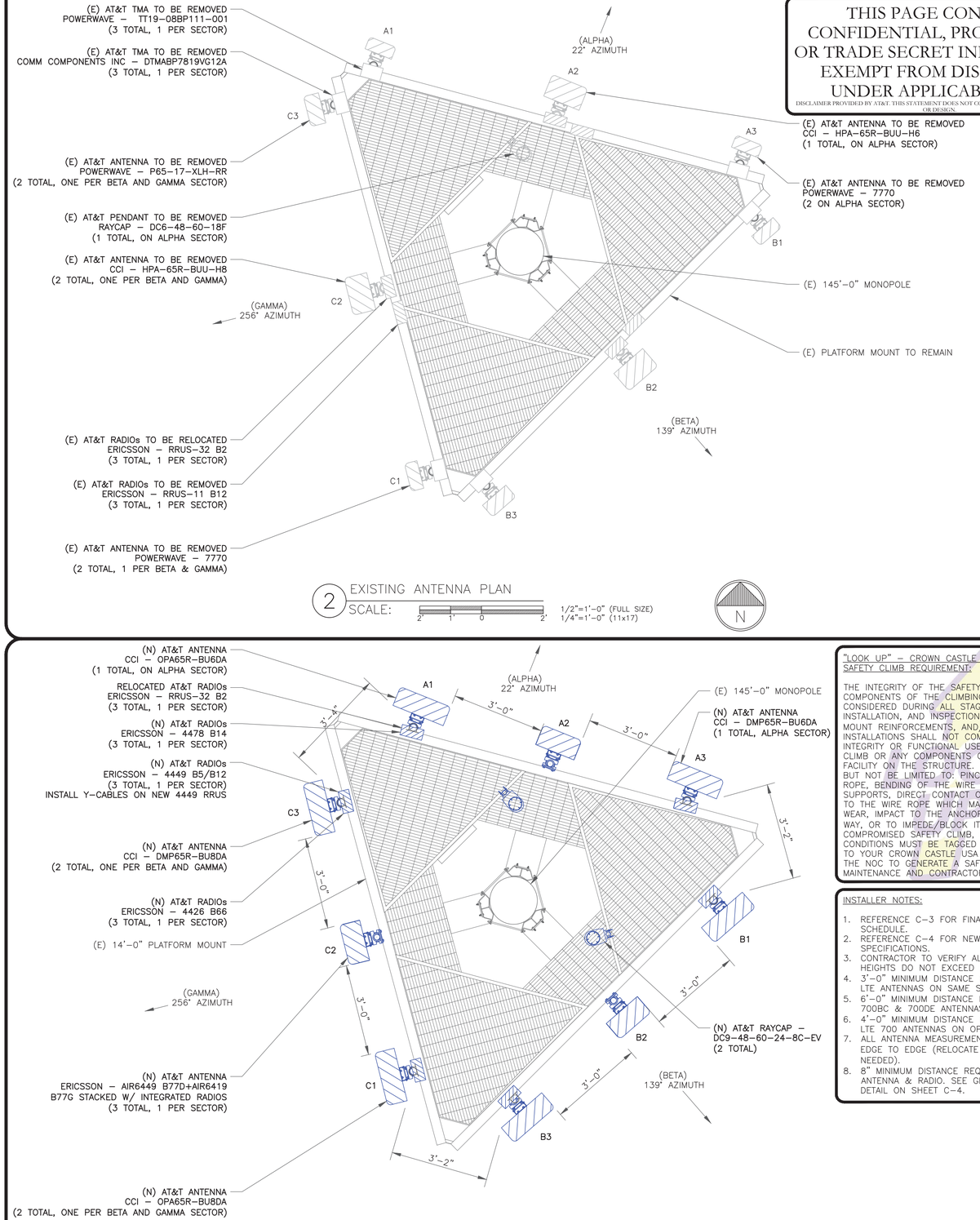


1 FINAL ELEVATION
SCALE: NOT TO SCALE



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

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

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

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

INSTALLER NOTES:

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

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SHEET NUMBER: C-2

REVISION: 0

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FINAL ANTENNA AND FEEDLINE SCHEDULE

POS.	TECH	STATUS	AZIMUTH	ANTENNA TYPE	ANTENNA RAD CENTER	MECHANICAL DOWNTILT	ELECTRICAL DOWNTILT	MAIN COAX SIZE	MAIN COAX LENGTH	COAX QTY	TMA QTY AND MODEL	SURGE PROTECTION	DC/FIBER CABLES	RRHs QTY & MODEL ON TOWER	LOCATION	DIPLEXER ON TOWER	DIPLEXER ON GROUND	RET CABLE
ALPHA SECTOR																		
A1	LTE 700/LTE 1900/5G 1900	NEW	22°	CCI – OPA65R–BU6DA	140'–0"	0°	6°/6°/6°/6°	1–1/4"	190'–0"	2	–	(1) DC9–48–60–24–8C –EV	(2) 13/16" DC (2) 7/8" DC LINES (1) FIBER (3/8")	(1) ERICSSON – 4478 B14 (1) ERICSSON – RRUS–32 B2	TOWER	N	N	N
A2	5G CBAND	NEW	22°	ERICSSON – AIR6449 B77D+AIR6419 B77G STACKED	138'–0" 142'–0"	0°	0°	–	–	–	–			INTEGRATED WITHIN	TOWER	N	N	N
A3	LTE 700/5G 850/LTE AWS/5G AWS	NEW	22°	CCI – DMP65R–BU6DA	140'–0"	0°	6°/6°/6°/6°	–	–	–	–			(1) ERICSSON – 4449 B5/B12 (1) ERICSSON – 4426 B66	TOWER	N	N	N
BETA SECTOR																		
B1	LTE 700/LTE 1900/5G 1900	NEW	139°	CCI – OPA65R–BU8DA	140'–0"	0°	2°/2°/2°/2°	1–1/4"	190'–0"	2	–	(1) DC9–48–60–24–8C –EV	(2) 7/8" DC LINES (1) FIBER (3/8")	(1) ERICSSON – 4478 B14 (1) ERICSSON – RRUS–32 B2	TOWER	N	N	N
B2	5G CBAND	NEW	139°	ERICSSON – AIR6449 B77D+AIR6419 B77G STACKED	138'–0" 142'–0"	0°	0°	–	–	–	–			INTEGRATED WITHIN	TOWER	N	N	N
B3	LTE 700/5G 850/LTE AWS/5G AWS	NEW	139°	CCI – DMP65R–BU8DA	140'–0"	0°	2°/2°/2°/2°	–	–	–	–			(1) ERICSSON – 4449 B5/B12 (1) ERICSSON – 4426 B66	TOWER	N	N	N
GAMMA SECTOR																		
C1	LTE 700/LTE 1900/5G 1900	NEW	256°	CCI – OPA65R–BU8DA	140'–0"	0°	7°/7°/7°/7°	1–1/4"	190'–0"	2	–	–	–	(1) ERICSSON – 4478 B14 (1) ERICSSON – RRUS–32 B2	TOWER	N	N	N
C2	5G CBAND	NEW	256°	ERICSSON – AIR6449 B77D+AIR6419 B77G STACKED	138'–0" 142'–0"	0°	0°	–	–	–	–			INTEGRATED WITHIN	TOWER	N	N	N
C3	LTE 700/5G 850/LTE AWS/5G AWS	NEW	256°	CCI – DMP65R–BU8DA	140'–0"	0°	5°/5°/5°/5°	–	–	–	–			(1) ERICSSON – 4449 B5/B12 (1) ERICSSON – 4426 B66	TOWER	N	N	N

NOTE: BOLD DENOTES NEW EQUIPMENT

1 FINAL ANTENNA AND FEEDLINE SCHEDULE
SCALE: NOT TO SCALE

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BU #: **806368**
HRT 049B 943215

374 THREE MILE RD.
GLASTONBURY, CT 06033

EXISTING
145'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	1/14/21	RPA	PRELIMINARY REVIEW	AY
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0	2/21/22	FWP	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

STATE OF MARYLAND · CHARLES PUTTLE · No. 29495 · REGISTERED PROFESSIONAL ENGINEER

2/21/22

PROFESSIONAL CERTIFICATION:
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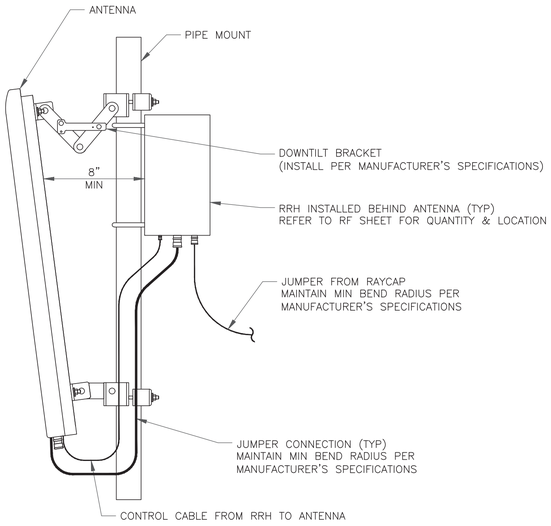
SHEET NUMBER: C-3

REVISION: 0

8303.006.01_HRT 049B 943215.dwg – Sheet:C-3 – User: fperkins – Feb 24, 2022 – 4:23pm



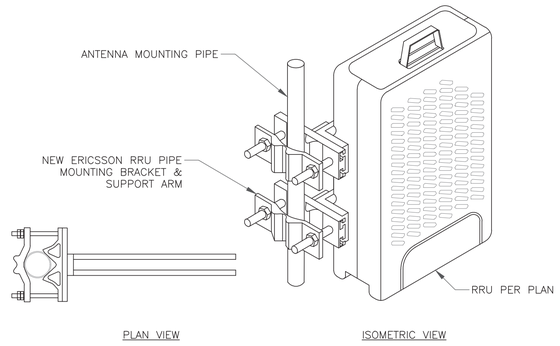
1 GENERIC ANTENNA MOUNTING ELEVATION
SCALE: NOT TO SCALE

ERICSSON RRU MOUNTING KIT:

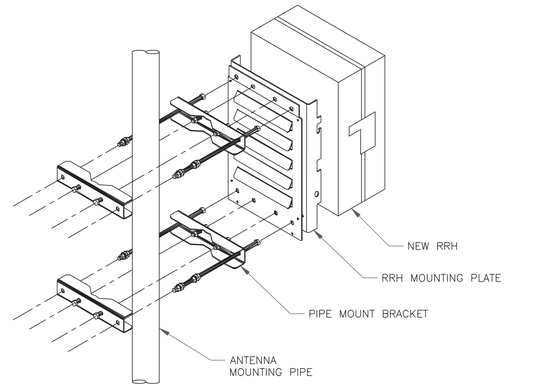
SXK 107 2839/1: SINGLE RRU SUPPORT KIT (PART # 5335) (OR ENGINEER APPROVED EQUIVALENT)
SXK 107 2839/2: EXPANSION KIT (PART # 5336) (OR ENGINEER APPROVED EQUIVALENT)

MOUNTING NOTES:

REFER TO PRODUCT SPECS FOR BOLT SIZE & PIPE
DIAMETER TOLERANCES. THE PART NO. SXK107-2839/2 IS REQUIRED FOR (2) RRUS.



2 ERICSSON – SXK 107 2839
SCALE: NOT TO SCALE



NOTE:

ANTENNA NOT SHOWN FOR CLARITY

3 SINGLE RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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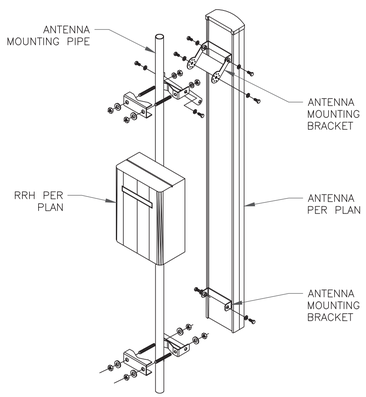
INSTALLER NOTES:

1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRH PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.



4 ANTENNA WITH RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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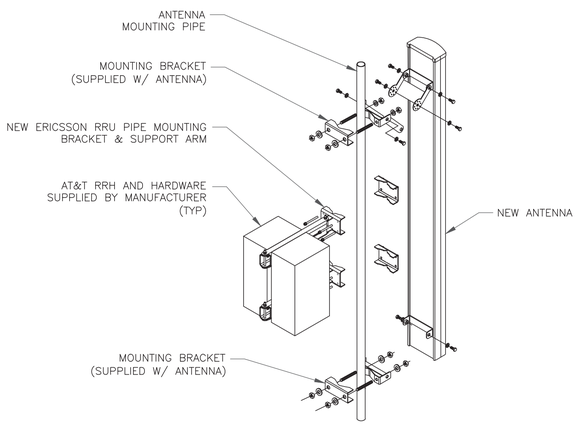
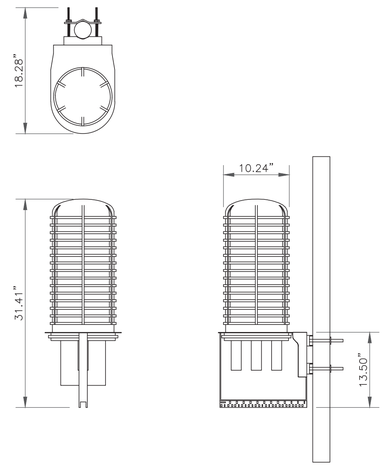


5 ANTENNA WITH DUAL RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

RAYCAP
DC9-48-60-24-8C-EV

RAYCAP – DC9-48-60-24-8C-EV
SIZE: 10.24x31.40 IN.
WEIGHT: 26.2 LBS
NOMINAL OPERATING VOLTAGE: 48 VDC
VOLTAGE PROTECTION RATING: 330 V
WIND LOADING: 150 MPH SUSTAINED (105.7 LBS)
WIND LOADING: 195 MPH GUST (213.6 LBS)

CONTRACTOR TO USE "THREAD LUBRICANT" ON MOUNTING BOLTS DURING INSTALLATION



NOTES:

1. REMOVE CABLE SEALING GLAND AND INSTALL M32x1.5 METRIC-TO-1" NPT ADAPTER (COOPER CROUSE-HINES P/N CAP 740 994 OR EQUIVALENT MFR) WHEN CONNECTING CONDUIT TO OVP.

6 SQUID MOUNTING DETAIL
SCALE: NOT TO SCALE

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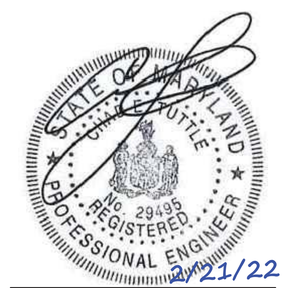

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SHEET NUMBER: C-4

REVISION: 0

83033.006.01_HRT 049B 943215.dwg – Sheet:C-4 – User: fperkins – Feb 24, 2022 – 4:23pm

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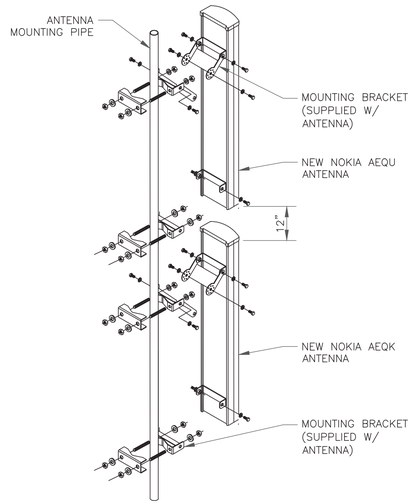

1 ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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HRT 049B 943215

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GLASTONBURY, CT 06033

EXISTING
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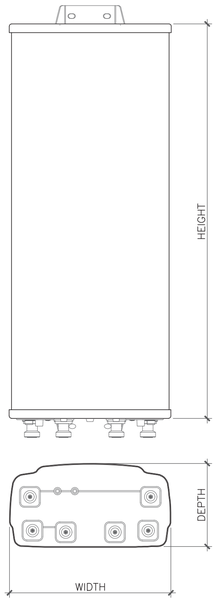
SHEET NUMBER: C-4.1

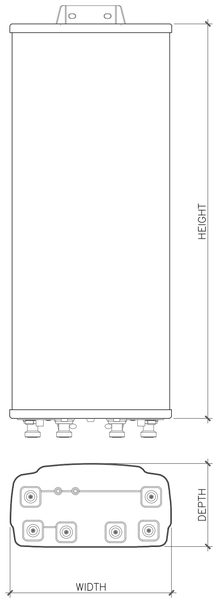
REVISION: 0

83033.006.01_HRT 049B 943215.dwg – Sheet:C-4.1 – User: fperkins – Feb 24, 2022 – 4:23pm



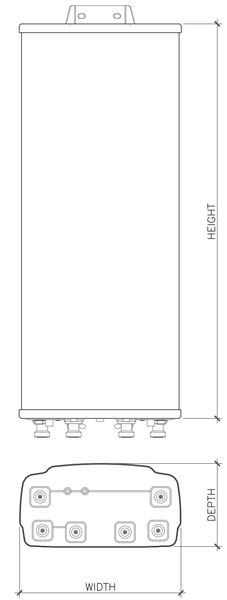
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
OPA65R-BU6D	71.2"	21.0"	7.8"	60.2 lbs

1 ANTENNA DETAIL
SCALE: NOT TO SCALE



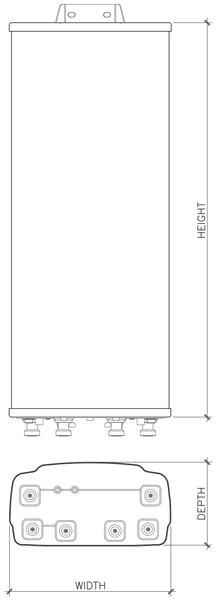
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
AIR 6419 B77G	28.3"	16.1"	7.9"	66.1 lbs

2 ANTENNA DETAIL
SCALE: NOT TO SCALE



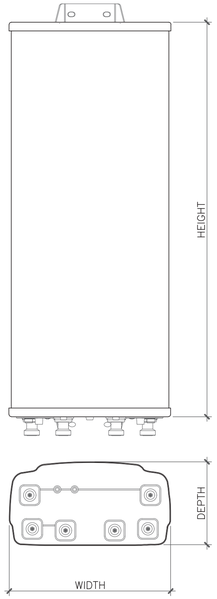
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
AIR 6449 B77D	30.39"	15.87"	8.07"	81.6 lbs

3 ANTENNA DETAIL
SCALE: NOT TO SCALE



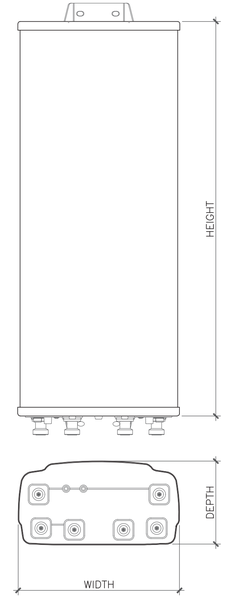
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
DMP65R-BU6DA	71.2"	20.7"	7.7"	79.4 lbs

4 ANTENNA DETAIL
SCALE: NOT TO SCALE



ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
DMP65R-BU8DA	96.0"	20.7"	7.7"	95.7 lbs

5 ANTENNA DETAIL
SCALE: NOT TO SCALE



ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
OPA65R-BU8D	96.0"	21.0"	7.8"	76.5 lbs

6 ANTENNA DETAIL
SCALE: NOT TO SCALE

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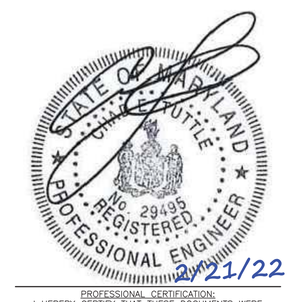

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SHEET NUMBER: C-5

REVISION: 0

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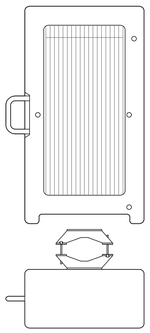
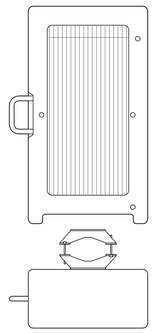


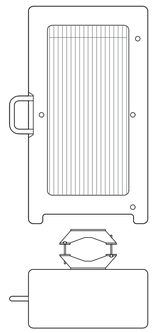
ERICSSON – 4449 B5/B12
WEIGHT (FULLY EQUIPPED): 71 LBS
SIZE (HxWxD): 17.91x13.19x9.44 IN.
CONNECTOR TYPE: 4.3–10 FEMALE (4 TOTAL PORTS)

1 ERICSSON – 4449 B5/B12
SCALE: NOT TO SCALE



ERICSSON – RRUS 4426 B66
WEIGHT (FULLY EQUIPPED): 48.4 LBS
SIZE (HxWxD): 14.96x13.19x5.8 IN.
CONNECTOR TYPE: 4.3–10 FEMALE (4 TOTAL PORTS)

2 ERICSSON – RRUS 4426 B66
SCALE: NOT TO SCALE



ERICSSON – RRUS 4478 B14
WEIGHT (FULLY EQUIPPED): 59.4 LBS
SIZE (HxWxD): 18.1x13.4x8.26 IN.
CONNECTOR TYPE: 4.3–10 FEMALE (4 TOTAL PORTS)

3 ERICSSON – RRUS 4478 B14
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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No. 29495
REGISTERED
PROFESSIONAL ENGINEER
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SHEET NUMBER: C-5.1
REVISION: 0

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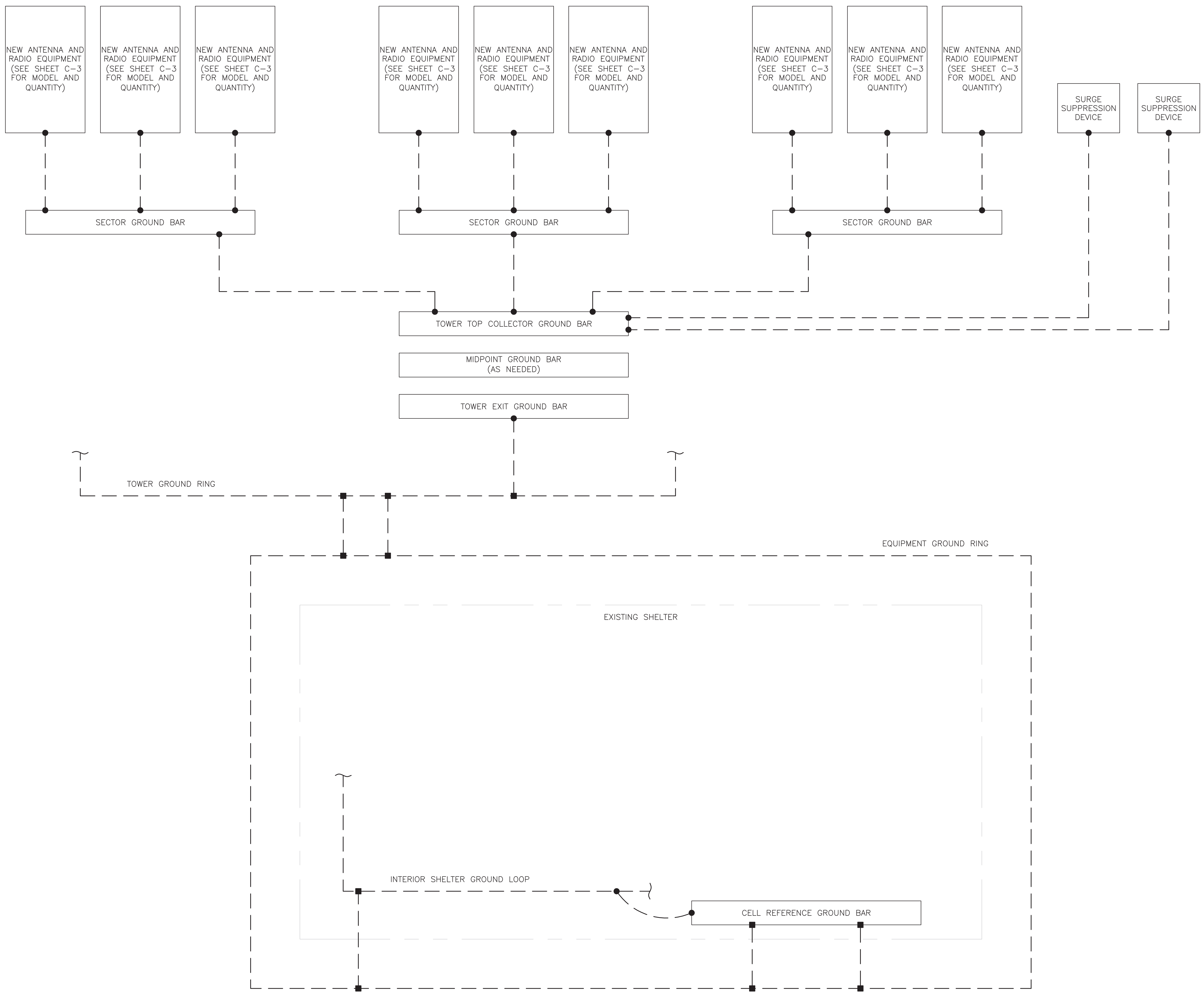

1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

GROUNDING PLAN LEGEND:

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

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

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

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

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

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AT&T SITE NUMBER:
CTL01100

BU #: **806368**
HRT 049B 943215

374 THREE MILE RD.
GLASTONBURY, CT 06033

EXISTING
145'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	1/14/21	RPA	PRELIMINARY REVIEW	AY
B	1/25/21	FWP	PRELIMINARY REVIEW	MTJ
0	2/21/22	FWP	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

STATE OF MARYLAND · CHAD E. TUTTLE · No. 29495 · REGISTERED · PROFESSIONAL ENGINEER
2/21/22

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.: 29495, EXPIRATION DATE: 9/15/23.

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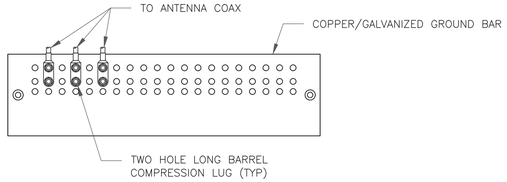
SHEET NUMBER: G-1

REVISION: 0

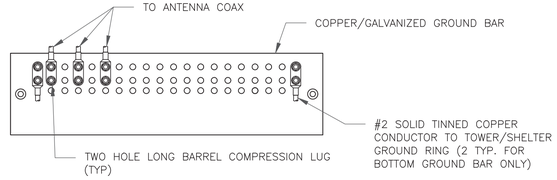
83033.006.01_HRT 049B 943215.dwg - Sheet:G-1 - User: fperkins - Feb 24, 2022 - 4:23pm



NOTES:

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

1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE

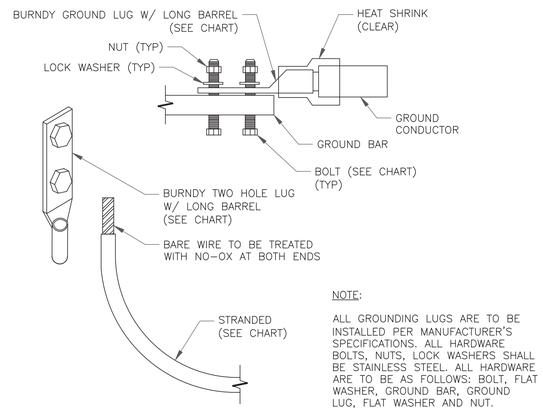


NOTES:

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

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

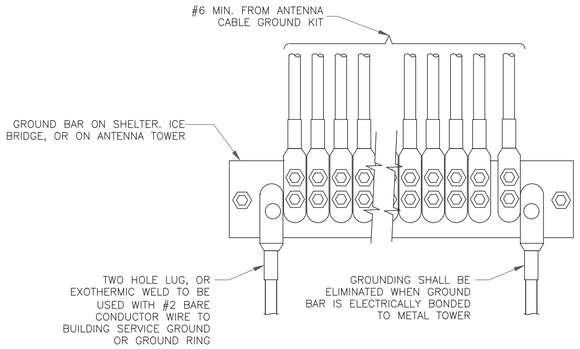
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



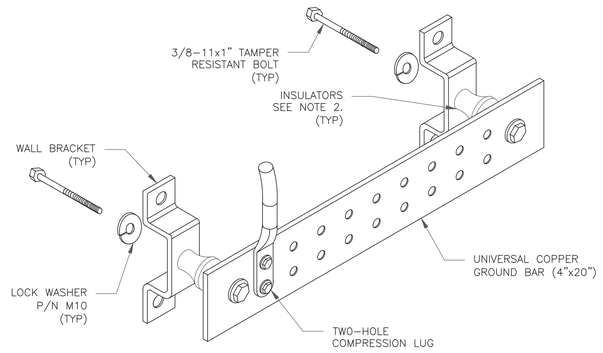
NOTE:

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

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE

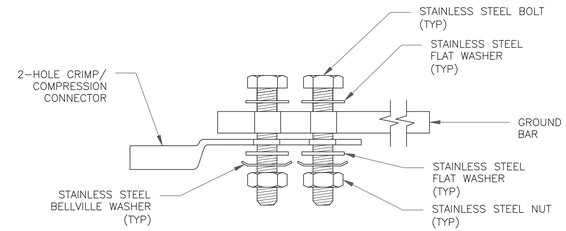


NOTES:

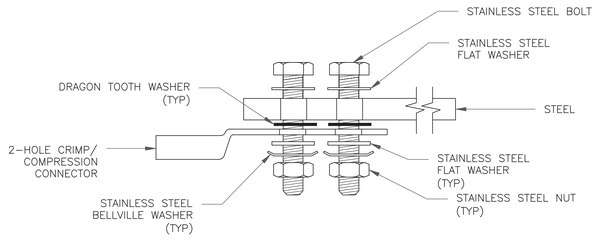
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.

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

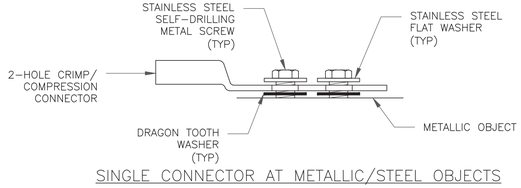
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

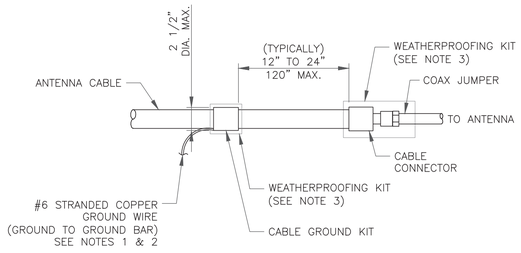


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

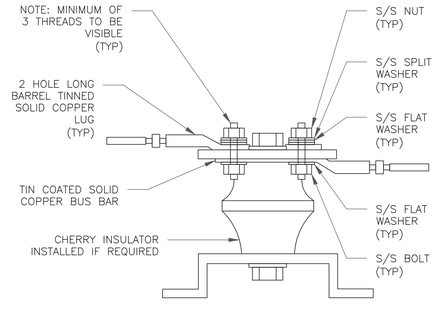
8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

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B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

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CHARLES RUTTLE
No. 29495
REGISTERED
PROFESSIONAL ENGINEER
2/21/22

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SHEET NUMBER: G-2

REVISION: 0

83033.006.01_HRT 049B 943215.dwg - Sheet:G-2 - User: fperkins - Feb 24, 2022 - 4:23pm

Diagram - Sector	A	Diagram File Name - C_Band_DoD_700DE(No)_No_WCS_B14_BC_8_Port_RRUS-32_2xDC-9_2x6630+1xXMU+6648.vsd					
Atoll Site Name -	CT1100	Location Name -	GLASTONBURY THREE MILE	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND
Comments:							

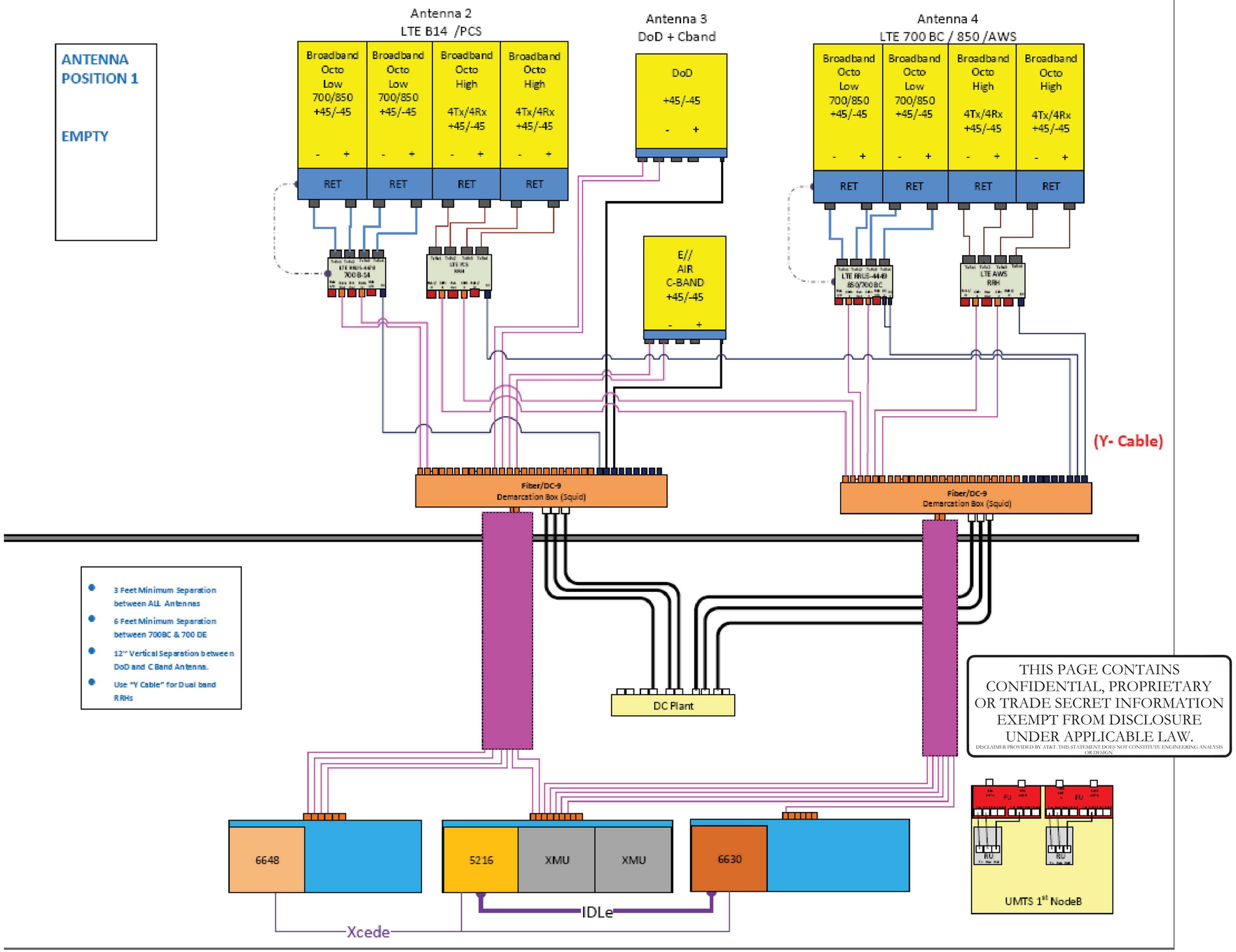

Diagram - Sector	B	Diagram File Name - C_Band_DoD_700DE(No)_No_WCS_B14_BC_8_Port_RRUS-32_2xDC-9_2x6630+1xXMU+6648.vsd					
Atoll Site Name -	CT1100	Location Name -	GLASTONBURY THREE MILE	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND
Comments:							

ANTENNA POSITION 1

EMPTY

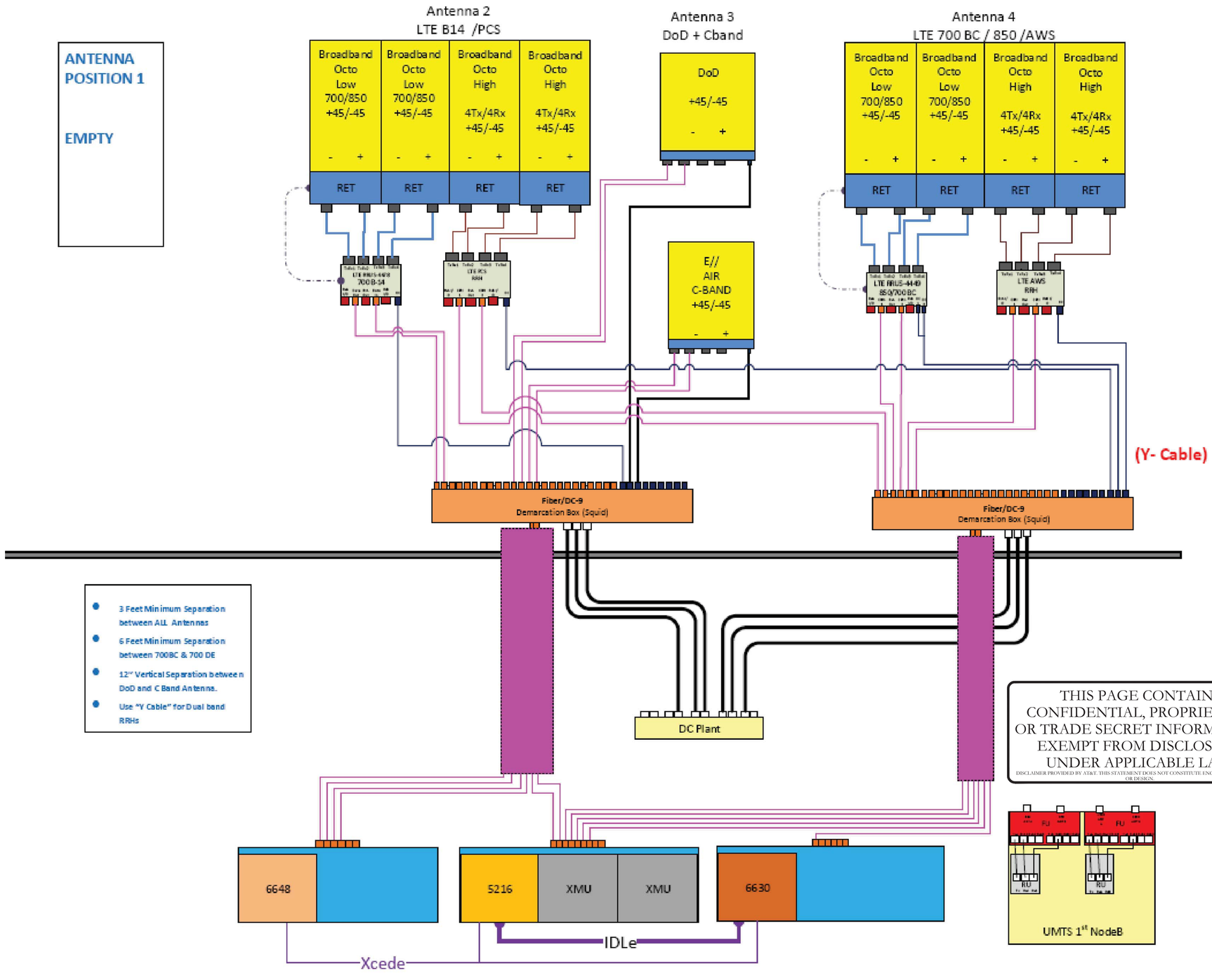

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Diagram - Sector	C	Diagram File Name - C_Band_DoD_700DE(No)_No_WCS_B14_BC_8_Port_RRUS-32_2xDC-9_2x6630+1xXMU+6648.vsd					
Atoll Site Name -	CT1100	Location Name -	GLASTONBURY THREE MILE	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND
Comments:							

ANTENNA POSITION 1

EMPTY