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

April 4, 2022

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

RE: **Notice of Exempt Modification for ATT**
Crown#876333; ATT Site ID CTL01054
10 Sparks Street, Plainville, CT 06062
Latitude: 41° 40′ 24.52" / Longitude: -72° 51' 16.17"

Dear Ms. Bachman:

ATT currently maintains twelve (12) antennas at the 115-foot mount on the existing 137-foot monopole tower located at 10 Sparks Street, Plainville, CT. The property is owned by SMA Realty LLC and the tower is owned by Crown Castle USA Inc. ATT now intends to replace twelve (12) antennas and ancillary equipment at the 115-foot 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:

(3) Quintel- QD8616-7 Antennas
(6) Ericsson- AIR6449 N77D+AIR6419 N77G stacked Antennas
(3) CCI- DMP65R-BU6DA Antennas
(3) Ericsson- Radio 4449 B5/B12 RRU
(1) DC9-48-60-24-8C-EV SQUID
(1) 3/8" 24-PAIR
(1) 7/8" 6AWG
(3) Y CABLES
(3) Mount modifications

Remove:

(3) Powerwave-7770 Antennas
(3) CCI-OPA-65R-LCUU-H8 Antennas
(3) Kathrien-800-10966 Antennas
(3) Quintel-QS66512-6 Antennas
(3) Kathrien-860-10025 TMAs
(6) Powerwave Tech-LGP21401 TMAs
(3) Ericsson-4478 B5 RRUs
(3) Ericsson-RRUS-11 B12 RRUs
(1) DC6-48-60-0-8F SQUID
(6) DBC0061F1V51-2 Diplexers
(6) Coax Cables (7/8")

Ground:

Install New:

(1) 6648 (+Xcede) Module
(3) Vertiv Rectifiers

Remove:

(3) RRUs 4478 B5 RRUs
(6) LGP21903 Diplexers
(1) 5216

The facility was approved by the Town of Plainville on October 24, 1996.

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 Robert E. Lee – Town Manager, Mark DaVoe – Town Planner and SMA Realty LLC – Property Owner. 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: Domenica Tatasciore.

Sincerely,

Domenica Tatasciore
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
(508) 621-9161/ Domenica.Tatasciore@crowncastle.com
Attachments

cc:

Robert E. Lee, Town Manager
Plainville Municipal Center
1 Central Square
Plainville, CT 06062

Mark DaVoe, Town Planner
Plainville Municipal Center
1 Central Square – Room 100
Plainville, CT 06062
860-793-0221

SMA Realty LLC
10 Sparks Street
Plainville CT 06062

Crown Castle, Tower Owner

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 776481351980: Your package has been delivered
Date: Tuesday, April 5, 2022 10:22:08 AM

Hi. Your package was delivered Tue, 04/05/2022 at 10:20am.

Delivered to 1 CENTRAL SQ, PLAINVILLE, CT 06062

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 776481351980

FROM Domenica Tatasciore
1800 West Park Drive
Suite 200

	WESTBOROUGH, MA, US, 01581
TO	Robert E. Lee, Town Manager Plainville Municipal Center One Central Square PLAINVILLE, CT, US, 06062
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 4/04/2022 05:33 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	PLAINVILLE, CT, US, 06062
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 776481387535: Your package has been delivered
Date: Tuesday, April 5, 2022 10:22:02 AM

Hi. Your package was delivered Tue, 04/05/2022 at 10:20am.

Delivered to 1 CENTRAL SQ, PLAINVILLE, CT 06062

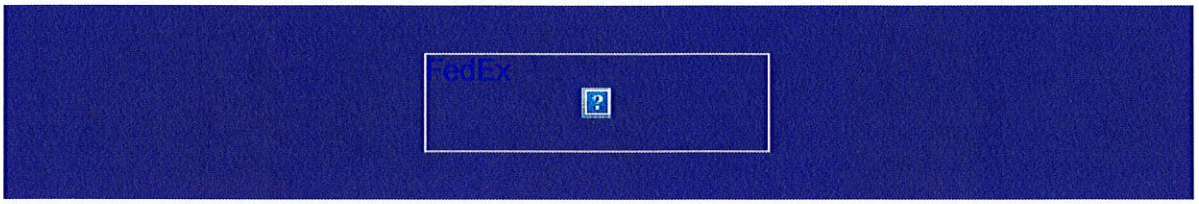
OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 776481387535

FROM Domenica Tatasciore
1800 West Park Drive
Suite 200

	WESTBOROUGH, MA, US, 01581
TO	Mark DeVoe, Town Planner Plainville Municipal Center One Central Square PLAINVILLE, CT, US, 06062
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 4/04/2022 05:33 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	PLAINVILLE, CT, US, 06062
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	2.00 LB
SERVICE TYPE	FedEx Priority Overnight

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 776481434821: Your package has been delivered
Date: Tuesday, April 5, 2022 10:08:37 AM



Hi. Your package was delivered Tue, 04/05/2022 at 10:06am.

Delivered to 10 SPARKS ST, PLAINVILLE, CT 06062
Received by K.MARC

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER	776481434821
FROM	Domenica Tatasciore 1800 West Park Drive

	Suite 200 WESTBOROUGH, MA, US, 01581
TO	SMA Realty LLC 10 Sparks Street PLAINVILLE, CT, US, 06062
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 4/04/2022 05:33 PM
DELIVERED TO	Shipping/Receiving
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	PLAINVILLE, CT, US, 06062
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight

TOWN OF

PLAINVILLE

ONE CENTRAL SQUARE, PLAINVILLE, CONNECTICUT 06062-1955

CERTIFIED MAIL

October 24, 1996

Mr. Thomas Cookingham, AICP
SBA, Inc.
300 Research Parkway
Meriden, CT 06450

RE: Special Exception - T. Cookingham, AICP
Request for a Radio Receiving Antenna Tower - 10 Sparks Street

Dear Mr. Cookingham:

At its October 22, 1996 regular meeting, the Planning and Zoning Commission unanimously APPROVED WITH STIPULATIONS SBA's, Inc. Request for a Special Exception for a Radio Receiving Antenna Tower in Accordance with Section 507.C.2 of the Regulations For Property Located at 10 Sparks Street in a GI Zone as depicted on the following plans:

Sprint PCS Hartford MTA Site Number CTO3XCO86C prepared by Lucent Technologies & Bechtel Alliance.

STIPULATIONS:

A. The fence surrounding the tower on the lease shall not exceed 7 Feet with the combination of chain link fence and barbed wire.

B. The total height of the entire structure, tower and lightening rod, shall not exceed 127 Feet per the approved plans.

C. The sewer easement associated with the sewer trunk line that is located within the proposed lease area shall be delineated on the final plan.

Mylars are required for all approved Special Exceptions, Site Plans, Site Plan Modifications, Subdivisions and Resubdivisions. The applicant must submit a fixed line mylar to be endorsed by the Chairperson of the Planning and Zoning Commission and must file the signed mylar in the Town Clerk's Office within 90 days of the date of approval. **Failure to file the mylar will cause the approval to become null and void.**

The legal notice advertising this decision will be published in The Herald on Monday, October 28, 1996 . The appeal period for this decision will expire on Tuesday October 12, 1996.

If you need clarification of the Commission's decision, please contact the Town Planner's Office at (860) 793-0221, extension 210.

Sincerely,
THE PLAINVILLE PLANNING & ZONING COMMISSION

by Mary M. Hughes, AICP
Town Planner

PZC:mmh

Plainville, CT : Assessor Database

Property Search:

Parcel ID:	Alternate ID:	Owner 1 Name:	Street Number:	Street Name:
				...

Search Reset

Property Detail:

Parcel ID:	Alternate ID/Map Block Lot:	Card:	Card:	Street Name:	Street Number:	Zoning:	LUC:	Acres:
23-O-05	R02784	1	1	SPARKS ST	10	GI	Manufacturing Warehouse Facilities	1.26

Owner Information:

Owner 1 Name:	SMA REALTY LLC
Owner 2 Name:	
Street 1:	10 SPARKS ST
Street 2:	
City:	PLAINVILLE
State:	CT
Zip:	06062
Volume:	606
Page:	1131
Deed Date:	0000-00-00

Building Information:

Building Number:	1
Units:	1
Structure Type:	WAREHOUSE
Grade:	C
Identical Units:	1
Year Built:	1949

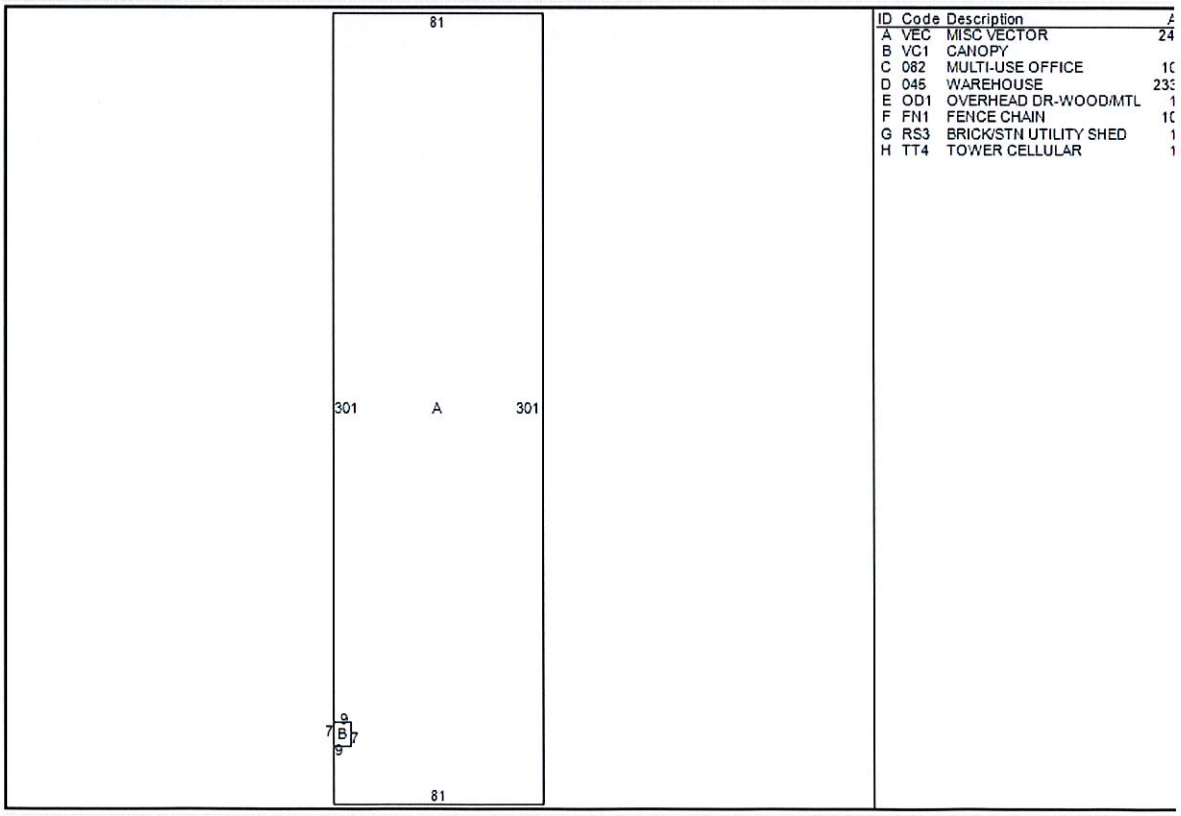
Valuation:

Appraised Land:	$107,000.00
Appraised Bldg:	$709,700.00
Appraised Total:	$816,700.00
Total Assessment:	$571,690.00

Property Images:

Picture:

Sketch:



ID	Code	Description	A
A	VEC	MISC VECTOR	24
B	VC1	CANOPY	
C	082	MULTI-USE OFFICE	1(
D	045	WAREHOUSE	23
E	OD1	OVERHEAD DR-WOOD/MTL	1
F	FN1	FENCE CHAIN	1(
G	RS3	BRICK/STN UTILITY SHED	1
H	TT4	TOWER CELLULAR	1

Sales History:

Book:	Page:	Sale Date:	Price:	Validity:	Sale Type:
449	526	01/14/2005	266,000		
449	534	01/14/2005	266,000		

182	1140	08/09/1971	
254	154	02/22/1988	
320	120	06/07/1995	
449	521	01/14/2005	
449	534	01/14/2005	
449	526	01/14/2005	
		01/02/2018	340,000

Out-Buildings:

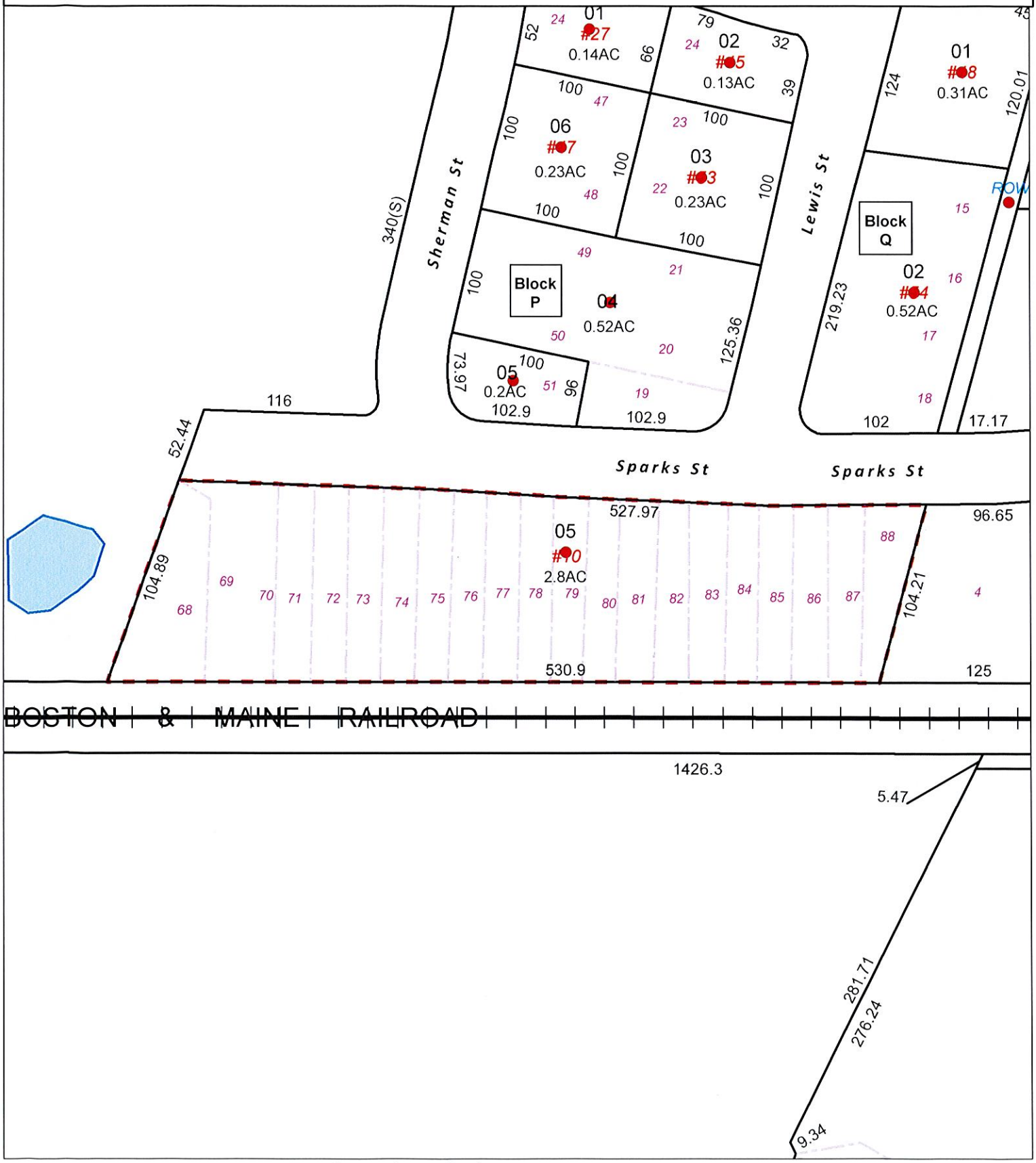
Code:	Description:	Units:	Year Built:	Size1:	Size2:	Area:	Grade:	Condition:
FN1	FENCE CHAIN	1	2000	6	180	1080	C	NORMAL (Comm)
PA1	PAVING ASPHALT PARKING	1	2018	135	80	10800	C	NORMAL (Comm)
RS3	BRICK/STN UTILITY SHED	1	2000	12	12	144	C	NORMAL (Comm)
RS3	BRICK/STN UTILITY SHED	1	2000	1	120	120	C	NORMAL (Comm)
TT4	TOWER CELLULAR	1	2000	0	0	120	C	NORMAL (Comm)

Building Interior/Exterior Information:

Floor From:	Floor To:	Area:	Use Type:	Exterior Walls:	Contruction Type:	Heating:	A/C:	Plumbing:	Functional Utility:
01	01	3645	MULTI-USE OFFICE	BRICK VENEER	WOOD FRAME/JOIST/BEAM	HOT AIR	CENTRAL	NORMAL	3
01	01	20736	LIGHT MANUFACTURING	BRICK VENEER	WOOD FRAME/JOIST/BEAM	HOT AIR	NONE	NORMAL	2

Town of Plainville, Connecticut - Assessment Parcel Map

Parcel: 23-O-05 **Address: 10 SPARKS ST**



0 30 60 90 120
Feet

Approximate Scale:
1 inch = 92 feet

Map Produced March 2021

Disclaimer: This map is for informational purposes only. All information is subject to verification by any user. The Town of Plainville and its mapping contractors assume no legal responsibility for the information contained herein.

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: CTL01054 - 876333

Plainville Center
10 Sparks Street
Plainville, Connecticut 06062

January 27, 2022

EBI Project Number: 6222000335

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**30.20%**

21 B Street, Burlington, MA 01803 · Tel: (781) 273.2500 · Fax: (781) 273.3311

January 27, 2022

AT&T

Emissions Analysis for Site: CTL01054 - 876333 - Plainville Center

EBI Consulting was directed to analyze the proposed AT&T facility located at **10 Sparks Street** in **Plainville, 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 10 Sparks Street in Plainville, 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) 2 LTE DE 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 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.

4) 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.

5) 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.

6) 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.

7) 4 LTE channels (WCS Band – 2300 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 25 Watts per Channel.

8) 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.

9) 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.

10) 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.

11) The antennas used in this modeling are the Quintel QD8616-7 for the 700 MHz / 700 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 3700 MHz channel(s), the Ericsson AIR 6419 for the 3700 MHz channel(s), the CCI DMP65R-BU6DA for the 700 MHz / 850 MHz / 2300 MHz channel(s) in Sector A, the Quintel QD8616-7 for the 700 MHz / 700 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 3700 MHz channel(s), the Ericsson AIR 6419 for the 3700 MHz channel(s), the CCI DMP65R-BU6DA for the 700 MHz / 850 MHz / 2300 MHz channel(s) in Sector B, the Quintel QD8616-7 for the 700 MHz / 700 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 3700 MHz channel(s), the Ericsson AIR 6419 for the 3700 MHz channel(s), the CCI DMP65R-BU6DA for the 700 MHz / 850 MHz / 2300 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.

12) The antenna mounting height centerline of the proposed antennas is 115 feet above ground level (AGL).

13) 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.

14) 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:	Quintel QD8616-7	Make / Model:	Quintel QD8616-7	Make / Model:	Quintel QD8616-7
Frequency Bands:	700 MHz / 700 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	700 MHz / 700 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	700 MHz / 700 MHz / 1900 MHz / 2100 MHz
Gain:	13.55 dBd / 12.55 dBd / 10.85 dBd / 10.85 dBd	Gain:	13.55 dBd / 12.55 dBd / 10.85 dBd / 10.85 dBd	Gain:	13.55 dBd / 12.55 dBd / 10.85 dBd / 10.85 dBd
Height (AGL):	115 feet	Height (AGL):	115 feet	Height (AGL):	115 feet
Channel Count:	14	Channel Count:	14	Channel Count:	14
Total TX Power (W):	560 Watts	Total TX Power (W):	560 Watts	Total TX Power (W):	560 Watts
ERP (W):	8,954.32	ERP (W):	8,954.32	ERP (W):	8,954.32
Antenna A1 MPE %:	**4.46%**	Antenna B1 MPE %:	**4.46%**	Antenna C1 MPE %:	**4.46%**
Antenna #:	**2**	Antenna #:	**2**	Antenna #:	**2**
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):	116 feet	Height (AGL):	116 feet	Height (AGL):	116 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 %:	**9.51%**	Antenna B2 MPE %:	**9.51%**	Antenna C2 MPE %:	**9.51%**
Antenna #:	**3**	Antenna #:	**3**	Antenna #:	**3**
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):	114 feet	Height (AGL):	114 feet	Height (AGL):	114 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 %:	**9.86%**	Antenna B3 MPE %:	**9.86%**	Antenna C3 MPE %:	**9.86%**
Antenna #:	**4**	Antenna #:	**4**	Antenna #:	**4**
Make / Model:	CCI DMP65R-BU6DA	Make / Model:	CCI DMP65R-BU6DA	Make / Model:	CCI DMP65R-BU6DA
Frequency Bands:	700 MHz / 850 MHz / 2300 MHz	Frequency Bands:	700 MHz / 850 MHz / 2300 MHz	Frequency Bands:	700 MHz / 850 MHz / 2300 MHz
Gain:	11.85 dBd / 12.45 dBd / 16.25 dBd	Gain:	11.85 dBd / 12.45 dBd / 16.25 dBd	Gain:	11.85 dBd / 12.45 dBd / 16.25 dBd
Height (AGL):	115 feet	Height (AGL):	115 feet	Height (AGL):	115 feet
Channel Count:	12	Channel Count:	12	Channel Count:	12
Total TX Power (W):	420 Watts	Total TX Power (W):	420 Watts	Total TX Power (W):	420 Watts
ERP (W):	9,479.38	ERP (W):	9,479.38	ERP (W):	9,479.38
Antenna A4 MPE %:	**4.36%**	Antenna B4 MPE %:	**4.36%**	Antenna C4 MPE %:	**4.36%**

• 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 A):	28.19%
Metro PCS	1.64%
Clearwire	0.14%
Sprint	0.23%
Site Total MPE % :	30.20%

AT&T MPE % Per Sector	
AT&T Sector A Total:	28.19%
AT&T Sector B Total:	28.19%
AT&T Sector C Total:	28.19%
Site Total MPE % :	30.20%

AT&T Maximum MPE Power Values (Sector A)

AT&T Frequency Band / Technology (Sector A)	# 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	115.0	10.96	700 MHz LTE FN	467	2.35%
AT&T 700 MHz LTE DE	2	719.55	115.0	4.35	700 MHz LTE DE	467	0.93%
AT&T 1900 MHz LTE/5G	4	486.47	115.0	5.89	1900 MHz LTE/5G	1000	0.59%
AT&T 2100 MHz LTE/5G	4	486.47	115.0	5.89	2100 MHz LTE/5G	1000	0.59%
AT&T 3700 MHz C-Band	1	31996.92	116.0	95.07	3700 MHz C-Band	1000	9.51%
AT&T 3700 MHz C-Band	1	31996.92	114.0	98.62	3700 MHz C-Band	1000	9.86%
AT&T 700 MHz LTE	4	612.43	115.0	7.41	700 MHz LTE	467	1.59%
AT&T 850 MHz 5G	4	703.17	115.0	8.51	850 MHz 5G	567	1.50%
AT&T 2300 MHz LTE	4	1054.24	115.0	12.76	2300 MHz LTE	1000	1.28%
						Total:	**28.19%**

• 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:	28.19%
Sector B:	28.19%
Sector C:	28.19%
AT&T Maximum MPE % (Sector A):	28.19%
Site Total:	30.20%
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **30.20%** 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.

December 3, 2021

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:	CTL01054
	Client Site Name:	PLAINVILLE CENTER
	FA Location Code:	10035333
Crown Castle Designation:	**Crown Castle BU Number:**	876333
	Crown Castle Site Name:	CREATIVE DIMENSIONS
	Crown Castle JDE Job Number:	686296
	Crown Castle Order Number:	586251 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25662.629433
Site Data:	**10 Sparks St., Plainville, Hartford County, CT 06062** **Latitude *41° 40' 24.52"*, Longitude *-72° 51' 16.17"***	
Structure Information:	**Tower Height & Type:**	138.0 ± ft Monopole
	Mount Elevation:	113 ft
	Mount Width & Type:	13.0 ft Platform w/ Support Rail

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:

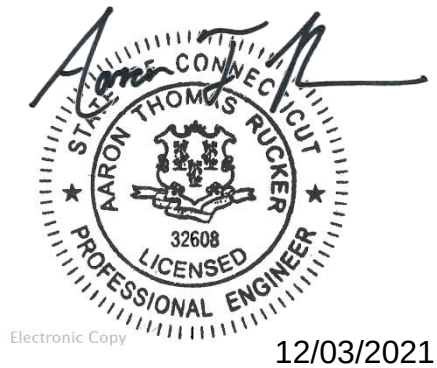
Platform w/ Support Rail Mount **Sufficient Capacity***

***Sufficient upon completion of the changes listed in the 'Recommendations' section of this report.**

The analysis has been performed in accordance with the 2018 International Building Code based upon an ultimate 3-second gust wind speed of 117 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Austin J. Wilson / NPD

Respectfully submitted by:



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12/03/2021

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

TABLE OF CONTENTS

1) INTRODUCTION

The mount is an existing 13.0-ft 3-sector Platform w/ Support Rail mount, mapped by Tower Engineering Professionals. The mount is installed at the 113 ft elevation on the 138.0 ± ft Monopole.

2) ANALYSIS CRITERIA

Building Code:	2018 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	117 mph
Exposure Category:	C
Topographic Category at Base:	1.0
Topographic Category at Mount:	1.0
Ice Thickness:	1.50 in
Wind Speed with Ice:	50 mph
Seismic Design Category:	B
Seismic S_s:	0.191
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
113	116	3	Ericsson	AIR 6449 N77	Platform w/ Support Rail Mount
	115	3	Quintel Technology	QD8616-7	
		3	CCI Antennas	DMP65R-BU6D	
		3	Ericsson	RRUS 32 B2	
		3	Ericsson	RRUS 32 B30	
		3	Ericsson	RRUS 32 B66	
		3	Ericsson	RRUS 4449 B5/B12	
		3	Ericsson	RRUS 4478 B14	
		2	Raycap	DC6-48-60-18-8F	
		1	Raycap	DC9-48-60-24-8C-EV	
	114	3	Ericsson	AIR 6419 B77G	

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Mount Mapping	Tower Engineering Professionals, Inc.	10051125	CCIsites
Loading Application	AT&T Mobility	Order 586251 Rev. 0	CCIsites
RFDS	AT&T Mobility	RFDS ID: 4475626	CCIsites

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

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

4) ANALYSIS RESULTS

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

Notes	Component	Critical Member	Mount Centerline (ft)	% Capacity	Pass / Fail
1,2	Face Horizontals	FFTH-1	113	93.1	Pass
1,2	Support Arms	SA-4	113	97.5	Pass
1,2	Corners	SRC-2	113	50.5	Pass
1,2	Support Rails	SR-3	113	66.9	Pass
1,2	Internals	GS-3	113	40.8	Pass
1,2	Mount Pipes	MP-11	113	87.1	Pass
1,2	Standoff	ST3-V1	113	94.8	Pass

Structure Rating (max from all components) =	97.5%

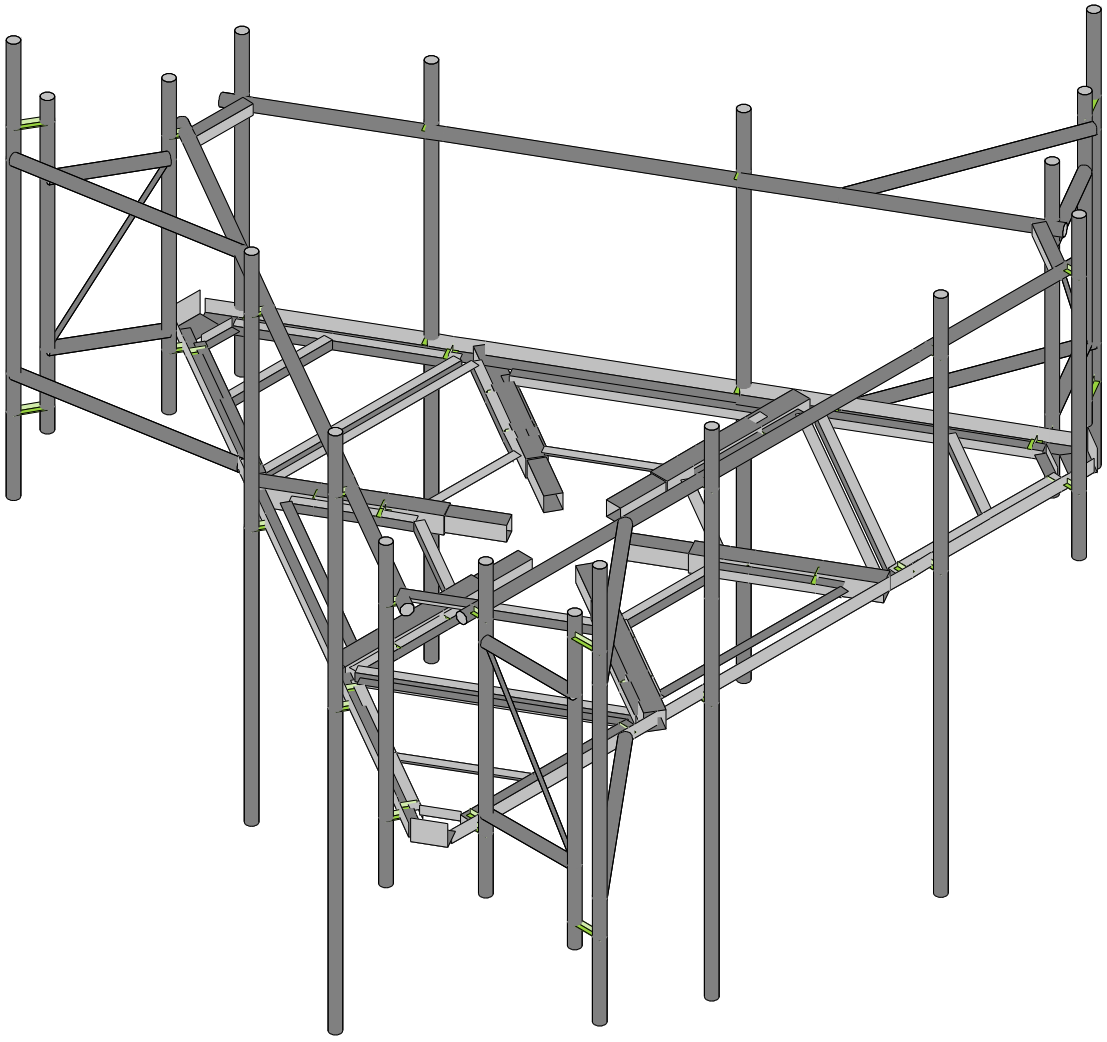
Notes:
1) See additional documentation in "Appendix C - Analysis Output" for calculations supporting the % capacity listed.
2) Rating per TIA-222-H, Section 15.5.

4.1) Recommendations

1) If the load differs from that described in 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. In order for the results of this analysis to be valid, the mount modifications listed below must be completed:
   a) Install (1) Commscope P-200 Standoff Bracket at position 4 on each sector (3 total), with (2) SitePro SPTB Stabilizer Arms per Standoff Bracket (6 total) in order to accommodate antenna panel spacing requirements.

APPENDIX A

WIRE FRAME AND RENDERED MODELS



Envelope Only Solution

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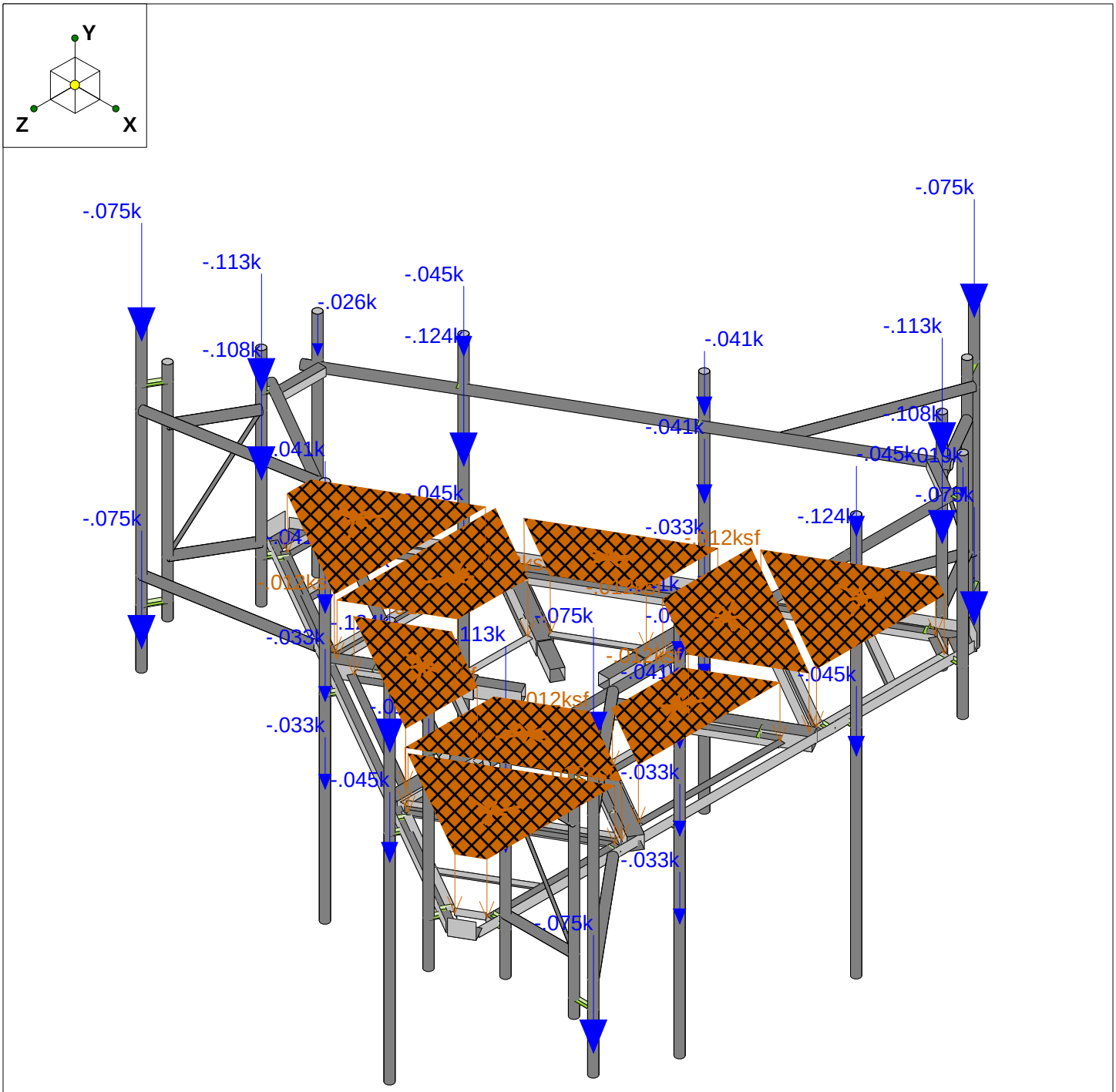

Loads: BLC 1, Dead
Envelope Only Solution

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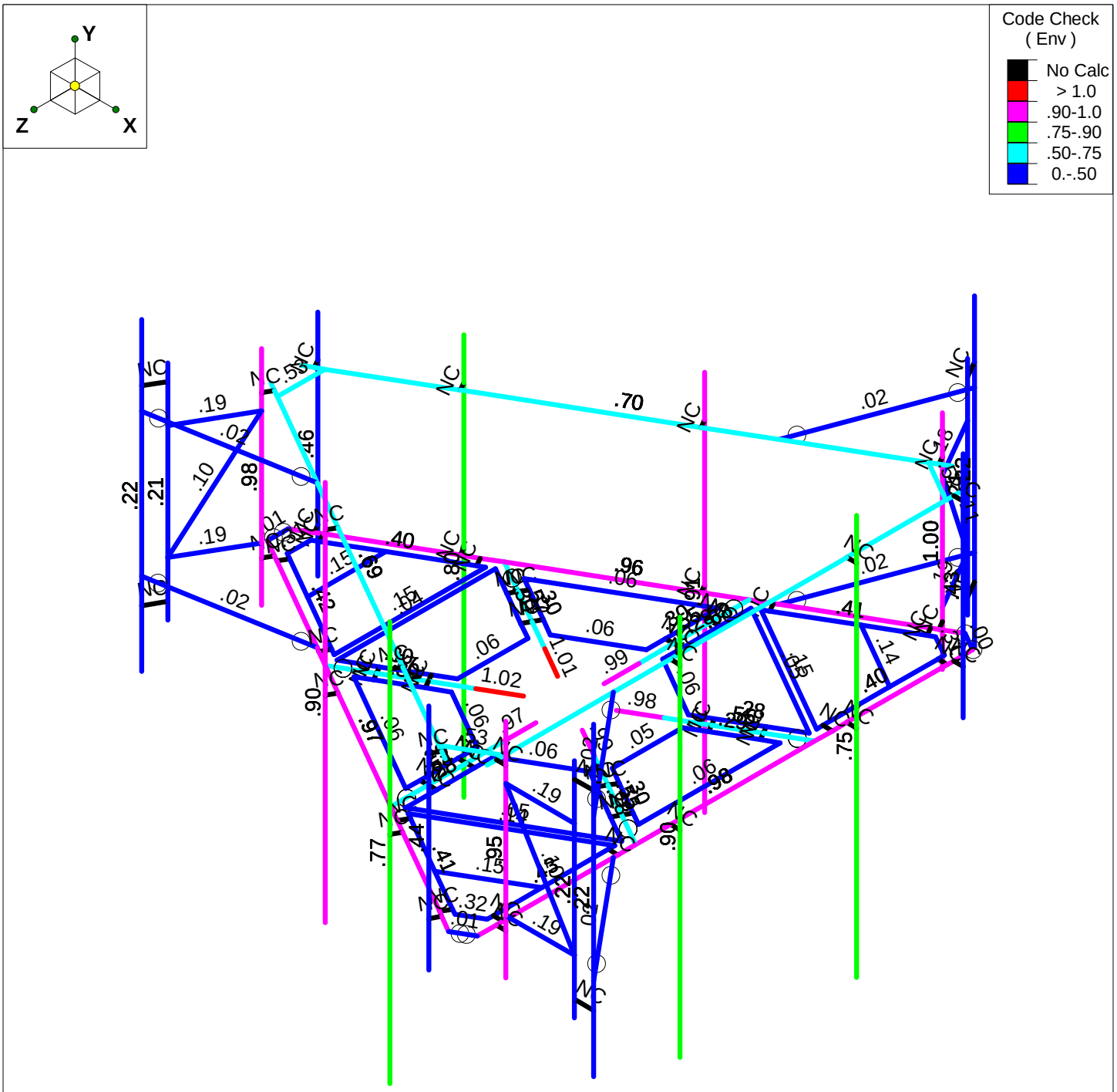

Member Code Checks Displayed (Enveloped)
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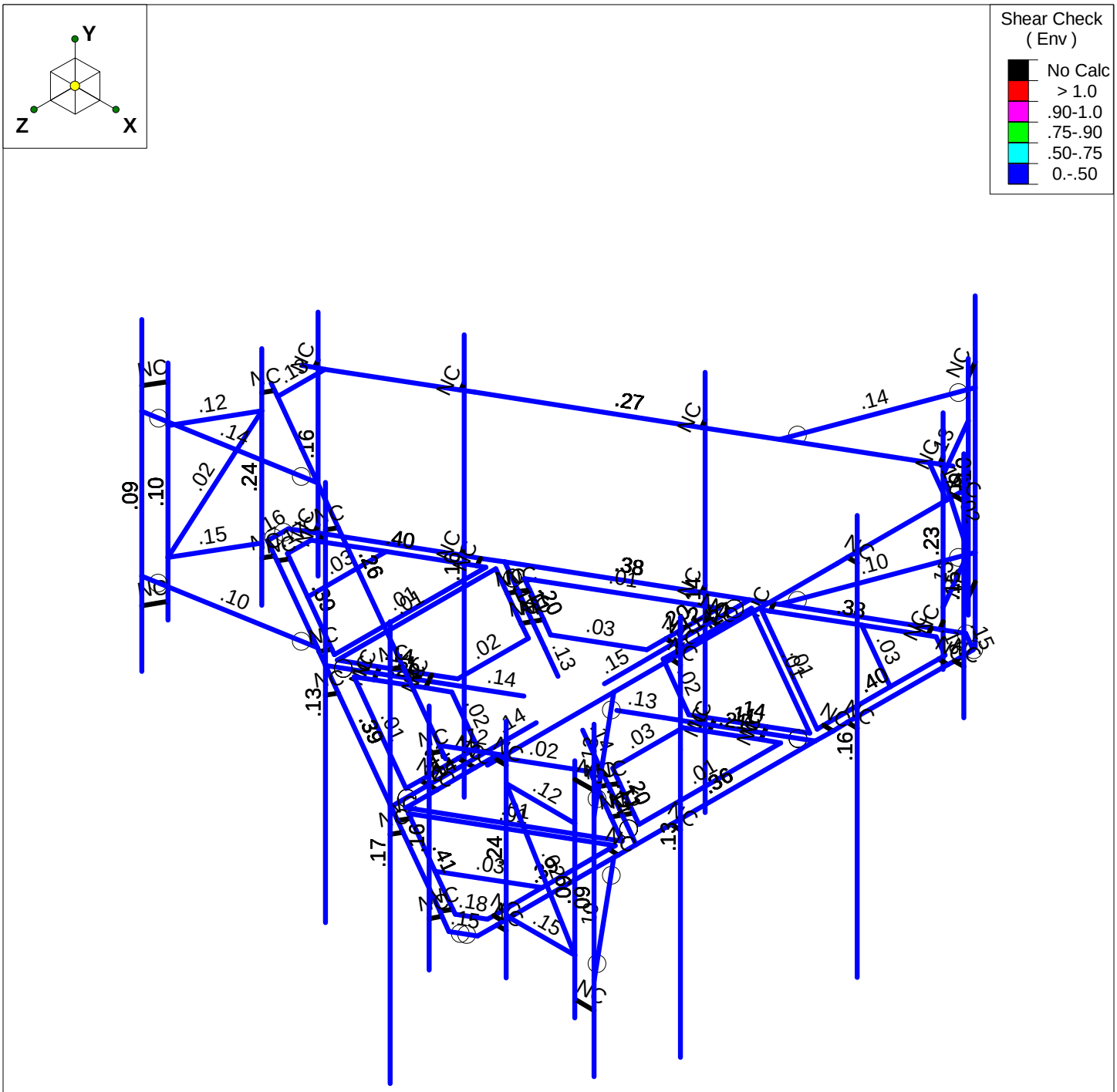

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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APPENDIX B

SOFTWARE INPUT CALCULATIONS

TOWER ENGINEERING PROFESSIONALS

CCI BU No. 876333

TEP No. 25662.629433

Analysis By: AJW 12/3/2021

Checked By: NPD 12/3/2021

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

Wind Inputs:

Ult. Wind Velocity:	117.0	mph
Live Load Velocity:	30.0	mph
Ice Wind Velocity:	50.0	mph
Base Ice Thickness:	1.50	inches
Mount Centerline:	113.0	ft
Antenna Centerline:	116.0	ft
Exposure Category:	C	
Topo Category:	1	
Risk Category:	II	
Ground Elevation:	189	ft

Wind Calculations:

K_{zt}:	1.000	Section 2.6.6
K_d:	0.950	
$K_{z\text{-Mount}}$:	1.299	Section 2.6.5.2
$K_{z\text{-Antenna}}$:	1.306	Section 2.6.5.2
K_{iz}:	1.132	Section 2.6.10
Ice Thickness:	1.699	inches - Section 2.6.10

Without Ice - (psf)		With Ice - (psf)	
$(q_z G_h)_{Mount}$:	42.94	$(q_z G_h)_{Mount}$:	7.84
$(q_z G_h)_{Antenna}$:	43.18	$(q_z G_h)_{Antenna}$:	7.89

TOWER ENGINEERING PROFESSIONALS

CCI BU No. 876333

TEP No.	25662.629433	
Analysis By:	AJW	12/3/2021
Checked By:	NPD	12/3/2021

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,%)
	ALPHA											
QUINTEL TECHNOLOGY	QD8616-7	96.00	22.00	9.60	150.00	343.00	1	Flat	MP-4	0.50	7.50	
ERICSSON	RRUS 4478 B14	16.50	13.40	7.70	59.90	90.00	1	Flat	ST1-V1	1.00		
ERICSSON	RRUS 32 B2	27.20	12.05	7.00	52.90	90.00	1	Flat	ST1-V1	1.00		
ERICSSON	RRUS 32 B66A	27.60	12.45	7.41	55.12	90.00	1	Flat	ST1-V1	3.00		
ERICSSON	RRUS E2 B29	20.40	18.50	7.50	52.90	90.00	1	Flat	ST1-V1	3.00		
ERICSSON	AIR 6449 B77D	30.39	15.87	8.07	81.60	343.00	1	Flat	MP-3	1.00	3.00	
ERICSSON	AIR 6419 B77G	27.95	15.75	6.68	66.20	343.00	1	Flat	MP-3	5.00	7.00	
CCI ANTENNAS	DMP65R-BU6D	71.20	20.70	7.70	89.30	343.00	1	Flat	MP-2	0.50	5.50	
ERICSSON	RRUS 4449 B5/B12	17.90	13.19	9.44	71.00	90.00	1	Flat	MP-2	3.00		
ERICSSON	RRUS 32 B30	27.20	12.05	7.00	52.90	90.00	1	Flat	MP-2	3.00		
	BETA											
QUINTEL TECHNOLOGY	QD8616-7	96.00	22.00	9.60	150.00	113.00	1	Flat	MP-8	0.50	7.50	
ERICSSON	RRUS 4478 B14	16.50	13.40	7.70	59.90	210.00	1	Flat	ST2-V1	1.00		
ERICSSON	RRUS 32 B2	27.20	12.05	7.00	52.90	210.00	1	Flat	ST2-V1	1.00		
ERICSSON	RRUS 32 B66A	27.60	12.45	7.41	55.12	210.00	1	Flat	ST2-V1	3.00		
ERICSSON	RRUS E2 B29	20.40	18.50	7.50	52.90	210.00	1	Flat	ST2-V1	3.00		
ERICSSON	AIR 6449 B77D	30.39	15.87	8.07	81.60	113.00	1	Flat	MP-7	1.00	3.00	
ERICSSON	AIR 6419 B77G	27.95	15.75	6.68	66.20	113.00	1	Flat	MP-7	5.00	7.00	
CCI ANTENNAS	DMP65R-BU6D	71.20	20.70	7.70	89.30	113.00	1	Flat	MP-6	0.50	5.50	
ERICSSON	RRUS 4449 B5/B12	17.90	13.19	9.44	71.00	210.00	1	Flat	MP-6	3.00		
ERICSSON	RRUS 32 B30	27.20	12.05	7.00	52.90	210.00	1	Flat	MP-6	3.00		
	GAMMA											
QUINTEL TECHNOLOGY	QD8616-7	96.00	22.00	9.60	150.00	233.00	1	Flat	MP-12	0.50	7.50	
ERICSSON	RRUS 4478 B14	16.50	13.40	7.70	59.90	330.00	1	Flat	ST3-V1	1.00		
ERICSSON	RRUS 32 B2	27.20	12.05	7.00	52.90	330.00	1	Flat	ST3-V1	1.00		
ERICSSON	RRUS 32 B66A	27.60	12.45	7.41	55.12	330.00	1	Flat	ST3-V1	3.00		
ERICSSON	RRUS E2 B29	20.40	18.50	7.50	52.90	330.00	1	Flat	ST3-V1	3.00		
ERICSSON	AIR 6449 B77D	30.39	15.87	8.07	81.60	233.00	1	Flat	MP-11	1.00	3.00	
ERICSSON	AIR 6419 B77G	27.95	15.75	6.68	66.20	233.00	1	Flat	MP-11	5.00	7.00	
CCI ANTENNAS	DMP65R-BU6D	71.20	20.70	7.70	89.30	233.00	1	Flat	MP-10	0.50	5.50	
ERICSSON	RRUS 4449 B5/B12	17.90	13.19	9.44	71.00	330.00	1	Flat	MP-10	3.00		
ERICSSON	RRUS 32 B30	27.20	12.05	7.00	52.90	330.00	1	Flat	MP-10	3.00		
RAYCAP	DC6-48-60-18-8F	24.00	11.00	11.00	18.90	0.00	1	Round	MP-1	1.00		
RAYCAP	DC6-48-60-18-8F	24.00	11.00	11.00	18.90	120.00	1	Round	MP-5	1.00		
RAYCAP	DC9-48-60-24-8C-EV	31.41	10.24	18.28	26.20	240.00	1	Flat	MP-9	1.00		

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

Member Name	Wind Proj. (in)	Length (in)	Shape	θ (°)	Perimeter (in)
EC-1	5.000	6.61	Flat	30.00	20.00
EC-2	5.000	6.61	Flat	90.00	20.00
EC-3	5.000	6.61	Flat	-30.00	20.00
FFTH-1	3.000	156.00	Flat	90.00	12.00
FFTH-2	3.000	156.00	Flat	-30.00	12.00
FFTH-3	3.000	156.00	Flat	30.00	12.00
GS-1	2.000	40.22	Flat	90.00	8.00
GS-2	2.000	44.63	Flat	90.00	8.00
GS-3	2.000	40.22	Flat	90.00	8.00
GS-4	2.000	22.11	Flat	90.00	8.00
GS-5	2.000	40.22	Flat	-30.00	8.00
GS-6	2.000	44.63	Flat	-30.00	8.00
GS-7	2.000	40.22	Flat	-30.00	8.00
GS-8	2.000	22.11	Flat	-30.00	8.00
GS-9	2.000	40.22	Flat	30.00	8.00
GS-10	2.000	44.63	Flat	30.00	8.00
GS-11	2.000	40.22	Flat	30.00	8.00
GS-12	2.000	22.11	Flat	30.00	8.00
GSI-1	2.000	24.65	Flat	30.00	8.00
GSI-1A	2.000	7.41	Flat	30.00	8.00
GSI-2	2.000	47.63	Flat	30.00	8.00
GSI-2A	2.000	49.94	Flat	30.00	8.00
GSI-3	2.000	22.11	Flat	30.00	8.00
GSI-4	2.000	24.65	Flat	90.00	8.00
GSI-4A	2.000	7.41	Flat	90.00	8.00
GSI-5	2.000	47.63	Flat	90.00	8.00
GSI-5A	2.000	49.94	Flat	90.00	8.00
GSI-6	2.000	22.11	Flat	90.00	8.00
GSI-7	2.000	24.65	Flat	-30.00	8.00
GSI-7A	2.000	7.41	Flat	-30.00	8.00
GSI-8	2.000	47.63	Flat	-30.00	8.00
GSI-8A	2.000	49.94	Flat	-30.00	8.00
GSI-9	2.000	22.11	Flat	-30.00	8.00
INT-1	2.000	22.52	Flat	30.00	8.00
INT-2	2.000	22.52	Flat	-30.00	8.00
INT-3	2.000	27.83	Flat	-30.00	8.00
INT-4	2.000	27.83	Flat	90.00	8.00
INT-5	2.000	22.52	Flat	90.00	8.00

INT-6	2.000	22.52	Flat	30.00	8.00
INT-7	2.000	27.83	Flat	30.00	8.00
INT-8	2.000	27.83	Flat	-30.00	8.00
INT-9	2.000	22.52	Flat	-30.00	8.00
INT-10	2.000	22.52	Flat	90.00	8.00
INT-11	2.000	27.83	Flat	90.00	8.00
INT-12	2.000	27.83	Flat	30.00	8.00
MP-1	2.375	72.00	Round		7.46
MP-2	2.375	126.00	Round		7.46
MP-3	2.375	120.00	Round		7.46
MP-4	2.375	96.00	Round		7.46
MP-5	2.375	72.00	Round		7.46
MP-6	2.375	126.00	Round		7.46
MP-7	2.375	120.00	Round		7.46
MP-8	2.375	96.00	Round		7.46
MP-9	2.375	72.00	Round		7.46
MP-10	2.375	126.00	Round		7.46
MP-11	2.375	120.00	Round		7.46
MP-12	2.375	96.00	Round		7.46
ST1-V1	2.375	70.00	Round		7.46
ST1-V2	2.375	70.00	Round		7.46
ST2-V1	2.375	70.00	Round		7.46
ST2-V2	2.375	70.00	Round		7.46
ST3-V1	2.375	70.00	Round		7.46
ST3-V2	2.375	70.00	Round		7.46
STAB-1B	2.375	47.87	Round	-50.27	7.46
STAB-1U	2.375	47.87	Round	-50.27	7.46
STAB-2B	2.375	47.87	Round	9.73	7.46
STAB-2U	2.375	47.87	Round	9.73	7.46
STAB-3B	2.375	47.87	Round	69.73	7.46
STAB-3U	2.375	47.87	Round	69.73	7.46
ST1-H1	2.375	21.60	Round	0.00	7.46
ST1-H2	2.375	21.60	Round	0.00	7.46
ST2-H1	2.375	21.60	Round	60.00	7.46
ST2-H2	2.375	21.60	Round	60.00	7.46
ST3-H1	2.375	21.60	Round	-60.00	7.46
ST3-H2	2.375	21.60	Round	-60.00	7.46
M147A	0.750	41.98	Round		2.36
M167	0.750	41.98	Round		2.36
ST1-D1	0.750	41.98	Round		2.36
SA-1	3.500	11.00	Flat	30.00	14.00
SA-2	3.500	11.00	Flat	-30.00	14.00
SA-3	3.500	11.00	Flat	90.00	14.00
SA-4	3.500	11.00	Flat	30.00	14.00
SA-5	3.500	11.00	Flat	-30.00	14.00
SA-6	3.500	11.00	Flat	90.00	14.00
SA-1B	4.000	34.69	Flat	30.00	16.00

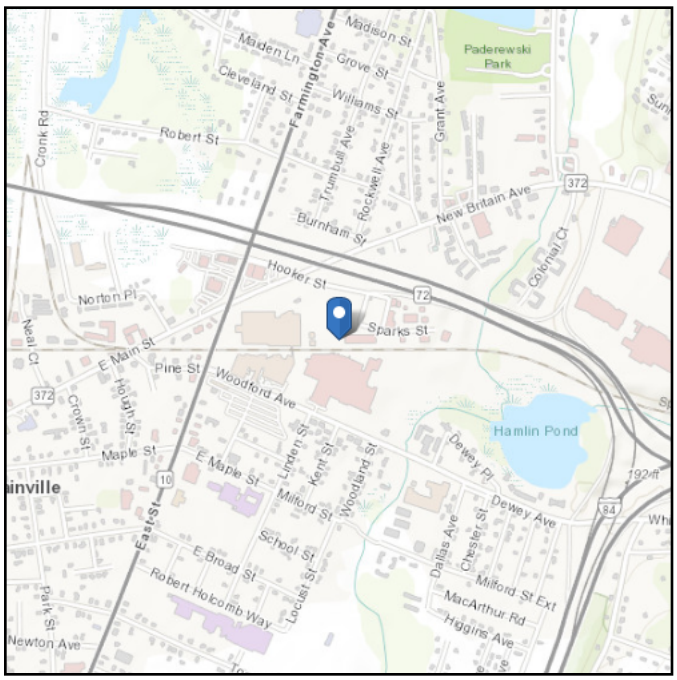
SA-2B	4.000	34.69	Flat	-30.00	16.00
SA-3B	4.000	34.69	Flat	90.00	16.00
SA-4B	4.000	34.69	Flat	30.00	16.00
SA-5B	4.000	34.69	Flat	-30.00	16.00
SA-6B	4.000	34.69	Flat	90.00	16.00
SR-1	2.375	150.00	Round	90.00	7.46
SR-2	2.375	150.00	Round	-30.00	7.46
SR-3	2.375	150.00	Round	30.00	7.46
SRC-1	2.500	15.01	Flat	30.00	10.00
SRC-2	2.500	15.01	Flat	90.00	10.00
SRC-3	2.500	15.01	Flat	-30.00	10.00

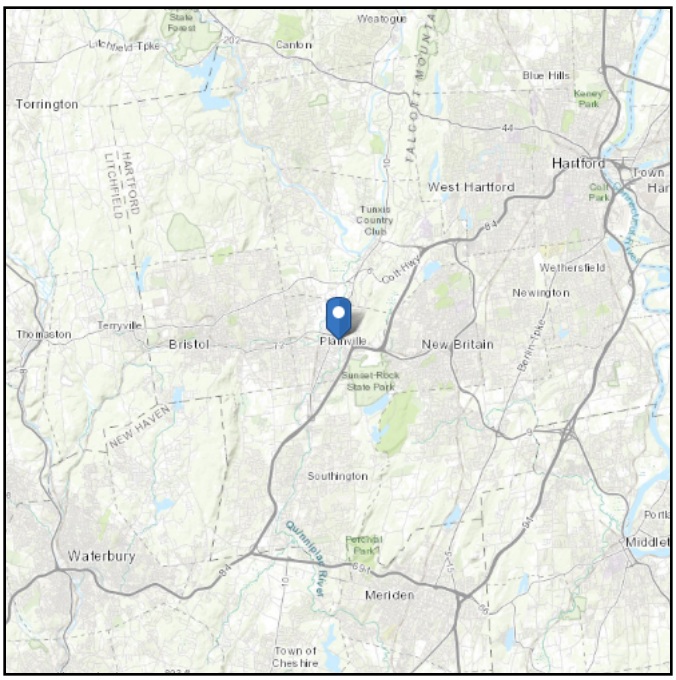
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 189.13 ft (NAVD 88)
Latitude: 41.673478
Longitude: -72.854492





Wind

Results:

Wind Speed	117 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	97 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 Dec 01 2021

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.

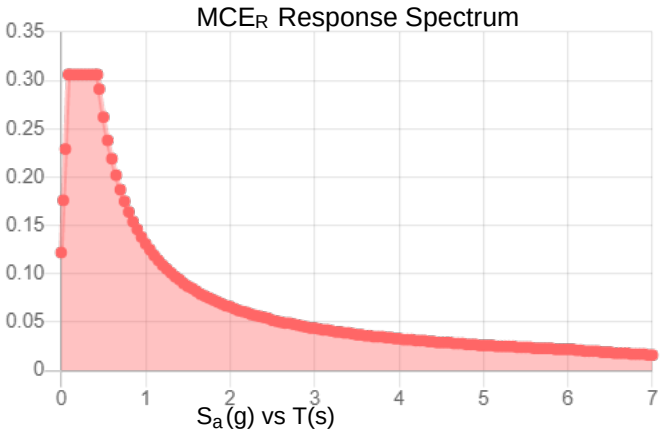
Seismic

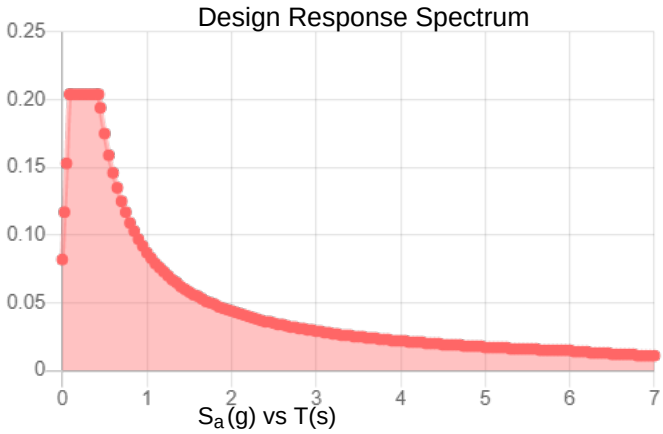
Site Soil Class: D - Default (see Section 11.4.3)

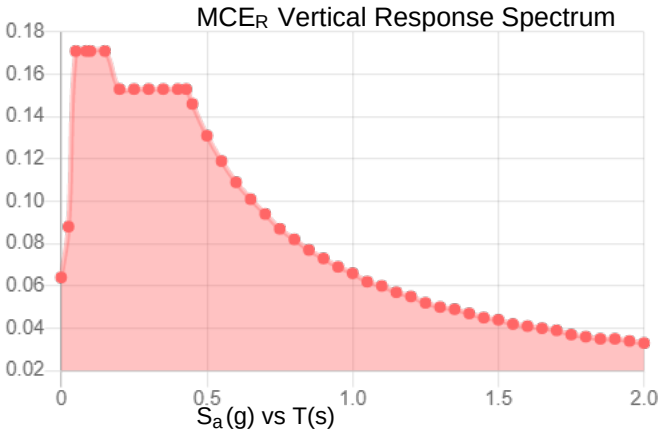
Results:

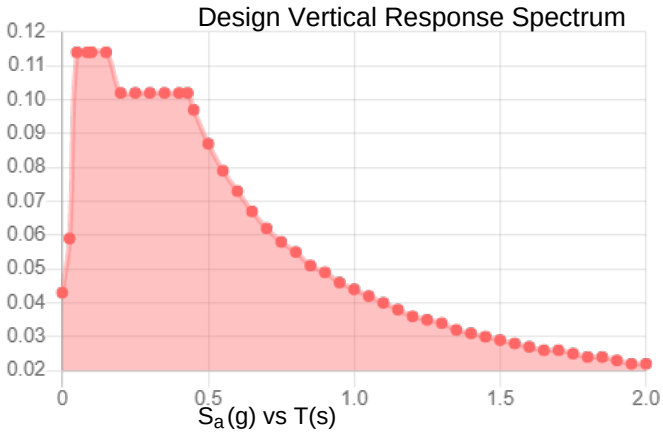
S_S :	0.191	S_{D1} :	0.087
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.104
F_v :	2.4	PGA_M :	0.166
S_{MS} :	0.306	F_{PGA} :	1.592
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.204	C_v :	0.7

Seismic Design Category B









Data Accessed: **Wed Dec 01 2021**

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:	Wed Dec 01 2021

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.

APPENDIX C

SOFTWARE ANALYSIS OUTPUT

(Global) Model Settings

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

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

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	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 : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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(Global) Model Settings, Continued

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

Hot Rolled Steel Properties

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

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	L3X3X6	None	None	A36 Gr.36	Typical	2.11	1.75	1.75	.101
2	Support Arm	HSS3.5X3.5X3	None	None	A500 Gr.B ...	Typical	2.24	4.05	4.05	6.56
3	Support Arm 2	HSS4X4X3	None	None	A500 Gr.B ...	Typical	2.58	6.21	6.21	10
4	Grate Support	L2x2x4	None	None	A36 Gr.36	Typical	.944	.346	.346	.021
5	Mount Pipe	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
6	Corner	L5X5X6	None	None	A36 Gr.36	Typical	3.65	8.76	8.76	.183
7	Support Rail	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Support Rail Corner	L2.5x2.5x4	None	None	A36 Gr.36	Typical	1.19	.692	.692	.026
9	Standoff	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	Stab	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
11	Standoff SR	SR 3/4	None	None	A36 Gr.36	Typical	.442	.016	.016	.031

Cold Formed Steel Section Sets

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

Material Takeoff

	Material	Size	Pieces	Length[ft]	Weight[K]
1	General				
2	RIGID		66	17.2	0
3	Total General		66	17.2	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	L2.5x2.5x4	3	3.8	0
7	A36 Gr.36	L2x2x4	39	99.9	.3
8	A36 Gr.36	L3X3X6	3	39	.3
9	A36 Gr.36	L5X5X6	3	1.7	0
10	A36 Gr.36	SR 3/4	3	10.5	0
11	A500 Gr.B RND	HSS4X4X3	6	17.3	.2
12	A500 Gr.B RND	HSS3.5X3.5X3	6	5.5	0
13	A53 Gr.B	PIPE 2.0	33	210.7	.7
14	Total HR Steel		96	388.4	1.6

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	SA1	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	SA2	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	SA3	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	SA4	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
5	SA5	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
6	SA6	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
1	EC-1	N27	N75A			Corner	None	None	A36 Gr.36	Typical
2	EC-2	N74	N88			Corner	None	None	A36 Gr.36	Typical
3	EC-3	N87	FF1			Corner	None	None	A36 Gr.36	Typical
4	FFTH-1	FF1	N27			Face Horizontal	None	None	A36 Gr.36	Typical
5	FFTH-2	N75A	N74			Face Horizontal	None	None	A36 Gr.36	Typical
6	FFTH-3	N88	N87			Face Horizontal	None	None	A36 Gr.36	Typical
7	GS-1	N130	N103A		90	Grate Support	None	None	A36 Gr.36	Typical
8	GS-2	N129	N128		180	Grate Support	None	None	A36 Gr.36	Typical
9	GS-3	N131	N104A		180	Grate Support	None	None	A36 Gr.36	Typical
10	GS-4	P1	P4		90	Grate Support	None	None	A36 Gr.36	Typical
11	GS-5	N107	N105		90	Grate Support	None	None	A36 Gr.36	Typical
12	GS-6	N72	N71		180	Grate Support	None	None	A36 Gr.36	Typical
13	GS-7	N65	N106		180	Grate Support	None	None	A36 Gr.36	Typical
14	GS-8	P9	P12		90	Grate Support	None	None	A36 Gr.36	Typical
15	GS-9	N68	N107A		90	Grate Support	None	None	A36 Gr.36	Typical
16	GS-10	N76	N75		180	Grate Support	None	None	A36 Gr.36	Typical

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
17	GS-11	N110	N108		180	Grate Support	None	None	A36 Gr.36	Typical
18	GS-12	P17	P20		90	Grate Support	None	None	A36 Gr.36	Typical
19	GSI-1	N135	N132		90	Grate Support	None	None	A36 Gr.36	Typical
20	GSI-1A	N104A	N105			Grate Support	None	None	A36 Gr.36	Typical
21	GSI-2	N131	N107		180	Grate Support	None	None	A36 Gr.36	Typical
22	GSI-2A	N118A	N119		90	Grate Support	None	None	A36 Gr.36	Typical
23	GSI-3	P5	P8		90	Grate Support	None	None	A36 Gr.36	Typical
24	GSI-4	N69	N70		90	Grate Support	None	None	A36 Gr.36	Typical
25	GSI-4A	N106	N107A			Grate Support	None	None	A36 Gr.36	Typical
26	GSI-5	N68	N65		90	Grate Support	None	None	A36 Gr.36	Typical
27	GSI-5A	N67	N66		90	Grate Support	None	None	A36 Gr.36	Typical
28	GSI-6	P13	P16		90	Grate Support	None	None	A36 Gr.36	Typical
29	GSI-7	N133	N136		90	Grate Support	None	None	A36 Gr.36	Typical
30	GSI-7A	N108	N103A			Grate Support	None	None	A36 Gr.36	Typical
31	GSI-8	N130	N110		90	Grate Support	None	None	A36 Gr.36	Typical
32	GSI-8A	N122	N117A		90	Grate Support	None	None	A36 Gr.36	Typical
33	GSI-9	P21	P24		90	Grate Support	None	None	A36 Gr.36	Typical
34	INT-1	P1	N129		180	Grate Support	None	None	A36 Gr.36	Typical
35	INT-2	P4	N128		90	Grate Support	None	None	A36 Gr.36	Typical
36	INT-3	P5	N118A		180	Grate Support	None	None	A36 Gr.36	Typical
37	INT-4	P8	N119		90	Grate Support	None	None	A36 Gr.36	Typical
38	INT-5	P9	N72		180	Grate Support	None	None	A36 Gr.36	Typical
39	INT-6	P12	N71		90	Grate Support	None	None	A36 Gr.36	Typical
40	INT-7	P13	N67		180	Grate Support	None	None	A36 Gr.36	Typical
41	INT-8	P16	N66		90	Grate Support	None	None	A36 Gr.36	Typical
42	INT-9	P17	N76		180	Grate Support	None	None	A36 Gr.36	Typical
43	INT-10	P20	N75		90	Grate Support	None	None	A36 Gr.36	Typical
44	INT-11	P21	N122		180	Grate Support	None	None	A36 Gr.36	Typical
45	INT-12	P24	N117A		90	Grate Support	None	None	A36 Gr.36	Typical
46	MP-1	N45	N48			Mount Pipe	None	None	A53 Gr.B	Typical
47	MP-2	N144A	N145B			Mount Pipe	None	None	A53 Gr.B	Typical
48	MP-3	N146B	N147A			Mount Pipe	None	None	A53 Gr.B	Typical
49	MP-4	N232	N233			Mount Pipe	None	None	A53 Gr.B	Typical
50	MP-5	N191	N193			Mount Pipe	None	None	A53 Gr.B	Typical
51	MP-6	N254	N255			Mount Pipe	None	None	A53 Gr.B	Typical
52	MP-7	N256	N257			Mount Pipe	None	None	A53 Gr.B	Typical
53	MP-8	N280	N281			Mount Pipe	None	None	A53 Gr.B	Typical
54	MP-9	N165A	N167A			Mount Pipe	None	None	A53 Gr.B	Typical
55	MP-10	N218A	N219A			Mount Pipe	None	None	A53 Gr.B	Typical
56	MP-11	N220	N221			Mount Pipe	None	None	A53 Gr.B	Typical
57	MP-12	N244	N245			Mount Pipe	None	None	A53 Gr.B	Typical
58	ST1-V1	N44	N47			Mount Pipe	None	None	A53 Gr.B	Typical
59	ST1-V2	N224	N225			Mount Pipe	None	None	A53 Gr.B	Typical
60	ST2-V1	N252	N253			Mount Pipe	None	None	A53 Gr.B	Typical
61	ST2-V2	N268	N269			Mount Pipe	None	None	A53 Gr.B	Typical
62	ST3-V1	N216A	N217A			Mount Pipe	None	None	A53 Gr.B	Typical
63	ST3-V2	N232A	N233A			Mount Pipe	None	None	A53 Gr.B	Typical
64	M67	N109	N111			RIGID	None	None	RIGID	Typical
65	M68	N110A	N112			RIGID	None	None	RIGID	Typical
66	M69	N115	N113			RIGID	None	None	RIGID	Typical
67	M70	N116A	N117			RIGID	None	None	RIGID	Typical
68	M71	N115	N119A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
69	M72	N117	N118			RIGID	None	None	RIGID	Typical
70	M73	N120	N122A			RIGID	None	None	RIGID	Typical
71	M74	N121	N123			RIGID	None	None	RIGID	Typical
72	M75	N125	N114			RIGID	None	None	RIGID	Typical
73	M76	N126	N127			RIGID	None	None	RIGID	Typical
74	M77	N125	N129A			RIGID	None	None	RIGID	Typical
75	M78	N127	N128A			RIGID	None	None	RIGID	Typical
76	M79	N129B	N131A			RIGID	None	None	RIGID	Typical
77	M80	N130A	N132A			RIGID	None	None	RIGID	Typical
78	M81	N135A	N133A			RIGID	None	None	RIGID	Typical
79	M82	N136A	N137			RIGID	None	None	RIGID	Typical
80	M83	N135A	N139			RIGID	None	None	RIGID	Typical
81	M84	N137	N138			RIGID	None	None	RIGID	Typical
82	M85	N140	N142			RIGID	None	None	RIGID	Typical
83	M86	N141	N143			RIGID	None	None	RIGID	Typical
84	M87	N144	N134			RIGID	None	None	RIGID	Typical
85	M88	N145	N146			RIGID	None	None	RIGID	Typical
86	M89	N144	N148			RIGID	None	None	RIGID	Typical
87	M90	N146	N147			RIGID	None	None	RIGID	Typical
88	M91	N149	N151			RIGID	None	None	RIGID	Typical
89	M92	N150	N152			RIGID	None	None	RIGID	Typical
90	M93	N155	N153			RIGID	None	None	RIGID	Typical
91	M94	N156	N157			RIGID	None	None	RIGID	Typical
92	M95	N155	N159			RIGID	None	None	RIGID	Typical
93	M96	N157	N158			RIGID	None	None	RIGID	Typical
94	M97	N160	N162			RIGID	None	None	RIGID	Typical
95	M98	N161	N163			RIGID	None	None	RIGID	Typical
96	M99	N164	N154			RIGID	None	None	RIGID	Typical
97	M99A	N158A	N150A			RIGID	None	None	RIGID	Typical
98	M100	N165	N166			RIGID	None	None	RIGID	Typical
99	M100A	N155A	N42			RIGID	None	None	RIGID	Typical
100	M101	N164	N168			RIGID	None	None	RIGID	Typical
101	M101A	N160A	N152A			RIGID	None	None	RIGID	Typical
102	M102	N166	N167			RIGID	None	None	RIGID	Typical
103	M102A	N156A	N148A			RIGID	None	None	RIGID	Typical
104	M103	N161A	N153A			RIGID	None	None	RIGID	Typical
105	M104	N157A	N149A			RIGID	None	None	RIGID	Typical
106	M105	N159A	N151A			RIGID	None	None	RIGID	Typical
107	M106	N154A	N41			RIGID	None	None	RIGID	Typical
108	M112	N184	N176			RIGID	None	None	RIGID	Typical
109	M113	N181	N163A			RIGID	None	None	RIGID	Typical
110	M118	N185	N177			RIGID	None	None	RIGID	Typical
111	M119	N180	N162A			RIGID	None	None	RIGID	Typical
112	M125	N210	N202			RIGID	None	None	RIGID	Typical
113	M126	N207	N189			RIGID	None	None	RIGID	Typical
114	M131	N211	N203			RIGID	None	None	RIGID	Typical
115	M132	N206	N188			RIGID	None	None	RIGID	Typical
116	M140A	N230A	N224B			RIGID	None	None	RIGID	Typical
117	M141A	N227A	N222A			RIGID	None	None	RIGID	Typical
118	M142	N231A	N225B			RIGID	None	None	RIGID	Typical
119	M143A	N228A	N223A			RIGID	None	None	RIGID	Typical
120	M160	N266	N260			RIGID	None	None	RIGID	Typical

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
121	M161	N263	N258			RIGID	None	None	RIGID	Typical
122	M162	N267	N261			RIGID	None	None	RIGID	Typical
123	M163	N264	N259			RIGID	None	None	RIGID	Typical
124	M175A	N226	N238			RIGID	None	None	RIGID	Typical
125	M176A	N227	N239			RIGID	None	None	RIGID	Typical
126	M177	N238A	N250			RIGID	None	None	RIGID	Typical
127	M178	N239A	N251			RIGID	None	None	RIGID	Typical
128	M179	N274	N286			RIGID	None	None	RIGID	Typical
129	M180	N275	N287			RIGID	None	None	RIGID	Typical
130	STAB-1B	N267A	N269A			Stab	None	None	A53 Gr.B	Typical
131	STAB-1U	N268A	N286A			Stab	None	None	A53 Gr.B	Typical
132	STAB-2B	N275A	N277			Stab	None	None	A53 Gr.B	Typical
133	STAB-2U	N276	N290			Stab	None	None	A53 Gr.B	Typical
134	STAB-3B	N271A	N273A			Stab	None	None	A53 Gr.B	Typical
135	STAB-3U	N272A	N288			Stab	None	None	A53 Gr.B	Typical
136	ST1-H1	N222	N223			Standoff	None	None	A53 Gr.B	Typical
137	ST1-H2	N224A	N225A			Standoff	None	None	A53 Gr.B	Typical
138	ST2-H1	N270	N271			Standoff	None	None	A53 Gr.B	Typical
139	ST2-H2	N272	N273			Standoff	None	None	A53 Gr.B	Typical
140	ST3-H1	N234A	N235A			Standoff	None	None	A53 Gr.B	Typical
141	ST3-H2	N236A	N237A			Standoff	None	None	A53 Gr.B	Typical
142	M147A	N234A	N237A			Standoff SR	None	None	A36 Gr.36	Typical
143	M167	N270	N273			Standoff SR	None	None	A36 Gr.36	Typical
144	ST1-D1	N222	N225A			Standoff SR	None	None	A36 Gr.36	Typical
145	SA-1	SA1	N100			Support Arm	None	None	A500 Gr...	Typical
146	SA-2	SA2	N95			Support Arm	None	None	A500 Gr...	Typical
147	SA-3	SA3	N96			Support Arm	None	None	A500 Gr...	Typical
148	SA-4	SA4	N97			Support Arm	None	None	A500 Gr...	Typical
149	SA-5	SA5	N98			Support Arm	None	None	A500 Gr...	Typical
150	SA-6	SA6	N99			Support Arm	None	None	A500 Gr...	Typical
151	SA-1B	N100	N36			Support Arm 2	None	None	A500 Gr...	Typical
152	SA-2B	N95	N35			Support Arm 2	None	None	A500 Gr...	Typical
153	SA-3B	N96	N100A			Support Arm 2	None	None	A500 Gr...	Typical
154	SA-4B	N97	N99A			Support Arm 2	None	None	A500 Gr...	Typical
155	SA-5B	N98	N104			Support Arm 2	None	None	A500 Gr...	Typical
156	SA-6B	N99	N103			Support Arm 2	None	None	A500 Gr...	Typical
157	SR-1	N146A	N145A			Support Rail	None	None	A53 Gr.B	Typical
158	SR-2	N195	N194			Support Rail	None	None	A53 Gr.B	Typical
159	SR-3	N169	N168A			Support Rail	None	None	A53 Gr.B	Typical
160	SRC-1	N215	N218		180	Support Rail Corner	None	None	A36 Gr.36	Typical
161	SRC-2	N219	N216		180	Support Rail Corner	None	None	A36 Gr.36	Typical
162	SRC-3	N217	N214		180	Support Rail Corner	None	None	A36 Gr.36	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	EC-1	BenPIN	BenPIN				Yes	** NA **			None
2	EC-2	BenPIN	BenPIN				Yes	** NA **			None
3	EC-3	BenPIN	BenPIN				Yes	** NA **			None
4	FFTH-1						Yes	** NA **			None
5	FFTH-2						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
6	FFTH-3						Yes	** NA **			None
7	GS-1						Yes	** NA **			None
8	GS-2						Yes	** NA **			None
9	GS-3						Yes	** NA **			None
10	GS-4						Yes	** NA **			None
11	GS-5						Yes	** NA **			None
12	GS-6						Yes	** NA **			None
13	GS-7						Yes	** NA **			None
14	GS-8						Yes	** NA **			None
15	GS-9						Yes	** NA **			None
16	GS-10						Yes	** NA **			None
17	GS-11						Yes	** NA **			None
18	GS-12						Yes	** NA **			None
19	GSI-1						Yes	** NA **			None
20	GSI-1A						Yes	** NA **			None
21	GSI-2						Yes	** NA **			None
22	GSI-2A						Yes	** NA **			None
23	GSI-3						Yes	** NA **			None
24	GSI-4						Yes	** NA **			None
25	GSI-4A						Yes	** NA **			None
26	GSI-5						Yes	** NA **			None
27	GSI-5A						Yes	** NA **			None
28	GSI-6						Yes	** NA **			None
29	GSI-7						Yes	** NA **			None
30	GSI-7A						Yes	** NA **			None
31	GSI-8						Yes	** NA **			None
32	GSI-8A						Yes	** NA **			None
33	GSI-9						Yes	** NA **			None
34	INT-1						Yes	** NA **			None
35	INT-2						Yes	** NA **			None
36	INT-3						Yes	** NA **			None
37	INT-4						Yes	** NA **			None
38	INT-5						Yes	** NA **			None
39	INT-6						Yes	** NA **			None
40	INT-7						Yes	** NA **			None
41	INT-8						Yes	** NA **			None
42	INT-9						Yes	** NA **			None
43	INT-10						Yes	** NA **			None
44	INT-11						Yes	** NA **			None
45	INT-12						Yes	** NA **			None
46	MP-1						Yes	** NA **			None
47	MP-2						Yes	** NA **			None
48	MP-3						Yes	** NA **			None
49	MP-4						Yes	** NA **			None
50	MP-5						Yes	** NA **			None
51	MP-6						Yes	** NA **			None
52	MP-7						Yes	** NA **			None
53	MP-8						Yes	** NA **			None
54	MP-9						Yes	** NA **			None
55	MP-10						Yes	** NA **			None
56	MP-11						Yes	** NA **			None
57	MP-12						Yes	** NA **			None

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
Checked By: NPD

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
58	ST1-V1						Yes	** NA **			None
59	ST1-V2						Yes	** NA **			None
60	ST2-V1						Yes	** NA **			None
61	ST2-V2						Yes	** NA **			None
62	ST3-V1						Yes	** NA **			None
63	ST3-V2						Yes	** NA **			None
64	M67						Yes	** NA **			None
65	M68						Yes	** NA **			None
66	M69						Yes	** NA **			None
67	M70						Yes	** NA **			None
68	M71						Yes	** NA **			None
69	M72						Yes	** NA **			None
70	M73						Yes	** NA **			None
71	M74						Yes	** NA **			None
72	M75						Yes	** NA **			None
73	M76						Yes	** NA **			None
74	M77						Yes	** NA **			None
75	M78						Yes	** NA **			None
76	M79						Yes	** NA **			None
77	M80						Yes	** NA **			None
78	M81						Yes	** NA **			None
79	M82						Yes	** NA **			None
80	M83						Yes	** NA **			None
81	M84						Yes	** NA **			None
82	M85						Yes	** NA **			None
83	M86						Yes	** NA **			None
84	M87						Yes	** NA **			None
85	M88						Yes	** NA **			None
86	M89						Yes	** NA **			None
87	M90						Yes	** NA **			None
88	M91						Yes	** NA **			None
89	M92						Yes	** NA **			None
90	M93						Yes	** NA **			None
91	M94						Yes	** NA **			None
92	M95						Yes	** NA **			None
93	M96						Yes	** NA **			None
94	M97						Yes	** NA **			None
95	M98						Yes	** NA **			None
96	M99						Yes	** NA **			None
97	M99A						Yes	** NA **			None
98	M100						Yes	** NA **			None
99	M100A						Yes	** NA **			None
100	M101						Yes	** NA **			None
101	M101A						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M102A						Yes	** NA **			None
104	M103						Yes	** NA **			None
105	M104						Yes	** NA **			None
106	M105						Yes	** NA **			None
107	M106						Yes	** NA **			None
108	M112						Yes	** NA **			None
109	M113						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
110	M118						Yes	** NA **			None
111	M119						Yes	** NA **			None
112	M125						Yes	** NA **			None
113	M126						Yes	** NA **			None
114	M131						Yes	** NA **			None
115	M132						Yes	** NA **			None
116	M140A						Yes	** NA **			None
117	M141A						Yes	** NA **			None
118	M142						Yes	** NA **			None
119	M143A						Yes	** NA **			None
120	M160						Yes	** NA **			None
121	M161						Yes	** NA **			None
122	M162						Yes	** NA **			None
123	M163						Yes	** NA **			None
124	M175A						Yes	** NA **			None
125	M176A						Yes	** NA **			None
126	M177						Yes	** NA **			None
127	M178						Yes	** NA **			None
128	M179						Yes	** NA **			None
129	M180						Yes	** NA **			None
130	STAB-1B	BenPIN	BenPIN				Yes	** NA **			None
131	STAB-1U	BenPIN	BenPIN				Yes	** NA **			None
132	STAB-2B	BenPIN	BenPIN				Yes	** NA **			None
133	STAB-2U	BenPIN	BenPIN				Yes	** NA **			None
134	STAB-3B	BenPIN	BenPIN				Yes	** NA **			None
135	STAB-3U	BenPIN	BenPIN				Yes	** NA **			None
136	ST1-H1						Yes	** NA **			None
137	ST1-H2						Yes	** NA **			None
138	ST2-H1						Yes	** NA **			None
139	ST2-H2						Yes	** NA **			None
140	ST3-H1						Yes	** NA **			None
141	ST3-H2						Yes	** NA **			None
142	M147A						Yes	** NA **			None
143	M167						Yes	** NA **			None
144	ST1-D1						Yes	** NA **			None
145	SA-1						Yes	** NA **			None
146	SA-2						Yes	** NA **			None
147	SA-3						Yes	** NA **			None
148	SA-4						Yes	** NA **			None
149	SA-5						Yes	** NA **			None
150	SA-6						Yes	** NA **			None
151	SA-1B		OOOOOO				Yes	** NA **			None
152	SA-2B		OOOOOO				Yes	** NA **			None
153	SA-3B		OOOOOO				Yes	** NA **			None
154	SA-4B		OOOOOO				Yes	** NA **			None
155	SA-5B		OOOOOO				Yes	** NA **			None
156	SA-6B		OOOOOO				Yes	** NA **			None
157	SR-1						Yes	** NA **			None
158	SR-2						Yes	** NA **			None
159	SR-3						Yes	** NA **			None
160	SRC-1						Yes	** NA **			None
161	SRC-2						Yes	** NA **			None

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
Checked By: NPD

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
162	SRC-3						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[...	Lcomp bot[...	L-torq...	Kyy	Kzz	Cb	Functi...
1	EC-1	Corner	.551						1	1		Lateral
2	EC-2	Corner	.551						1	1		Lateral
3	EC-3	Corner	.551						1	1		Lateral
4	FFTH-1	Face Horizontal	13	4.7					2.1	2.1		Lateral
5	FFTH-2	Face Horizontal	13	4.7					2.1	2.1		Lateral
6	FFTH-3	Face Horizontal	13	4.7					2.1	2.1		Lateral
7	GS-1	Grate Support	3.352						.65	.65		Lateral
8	GS-2	Grate Support	3.719						.65	.65		Lateral
9	GS-3	Grate Support	3.352						.65	.65		Lateral
10	GS-4	Grate Support	1.843						.65	.65		Lateral
11	GS-5	Grate Support	3.352						.65	.65		Lateral
12	GS-6	Grate Support	3.719						.65	.65		Lateral
13	GS-7	Grate Support	3.352						.65	.65		Lateral
14	GS-8	Grate Support	1.843						.65	.65		Lateral
15	GS-9	Grate Support	3.352						.65	.65		Lateral
16	GS-10	Grate Support	3.719						.65	.65		Lateral
17	GS-11	Grate Support	3.352						.65	.65		Lateral
18	GS-12	Grate Support	1.843						.65	.65		Lateral
19	GSI-1	Grate Support	2.054						.65	.65		Lateral
20	GSI-1A	Grate Support	.618						.65	.65		Lateral
21	GSI-2	Grate Support	3.969						.65	.65		Lateral
22	GSI-2A	Grate Support	4.162						.65	.65		Lateral
23	GSI-3	Grate Support	1.843						.65	.65		Lateral
24	GSI-4	Grate Support	2.054						.65	.65		Lateral
25	GSI-4A	Grate Support	.618						.65	.65		Lateral
26	GSI-5	Grate Support	3.969						.65	.65		Lateral
27	GSI-5A	Grate Support	4.162						.65	.65		Lateral
28	GSI-6	Grate Support	1.843						.65	.65		Lateral
29	GSI-7	Grate Support	2.054						.65	.65		Lateral
30	GSI-7A	Grate Support	.618						.65	.65		Lateral
31	GSI-8	Grate Support	3.969						.65	.65		Lateral
32	GSI-8A	Grate Support	4.162						.65	.65		Lateral
33	GSI-9	Grate Support	1.843						.65	.65		Lateral
34	INT-1	Grate Support	1.876						.65	.65		Lateral
35	INT-2	Grate Support	1.876						.65	.65		Lateral
36	INT-3	Grate Support	2.319						.65	.65		Lateral
37	INT-4	Grate Support	2.319						.65	.65		Lateral
38	INT-5	Grate Support	1.876						.65	.65		Lateral
39	INT-6	Grate Support	1.876						.65	.65		Lateral
40	INT-7	Grate Support	2.319						.65	.65		Lateral
41	INT-8	Grate Support	2.319						.65	.65		Lateral
42	INT-9	Grate Support	1.876						.65	.65		Lateral
43	INT-10	Grate Support	1.876						.65	.65		Lateral
44	INT-11	Grate Support	2.319						.65	.65		Lateral
45	INT-12	Grate Support	2.319						.65	.65		Lateral
46	MP-1	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[...	Lcomp bot[...	L-torq...	Kyy	Kzz	Cb	Functi...
47	MP-2	Mount Pipe	10.5	Segment	Segment				2.1	2.1		Lateral
48	MP-3	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
49	MP-4	Mount Pipe	8	Segment	Segment				2.1	2.1		Lateral
50	MP-5	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
51	MP-6	Mount Pipe	10.5	Segment	Segment				2.1	2.1		Lateral
52	MP-7	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
53	MP-8	Mount Pipe	8	Segment	Segment				2.1	2.1		Lateral
54	MP-9	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
55	MP-10	Mount Pipe	10.5	Segment	Segment				2.1	2.1		Lateral
56	MP-11	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
57	MP-12	Mount Pipe	8	Segment	Segment				2.1	2.1		Lateral
58	ST1-V1	Mount Pipe	5.833	Segment	Segment				2.1	2.1		Lateral
59	ST1-V2	Mount Pipe	5.833	Segment	Segment				2.1	2.1		Lateral
60	ST2-V1	Mount Pipe	5.833	Segment	Segment				2.1	2.1		Lateral
61	ST2-V2	Mount Pipe	5.833	Segment	Segment				2.1	2.1		Lateral
62	ST3-V1	Mount Pipe	5.833	Segment	Segment				2.1	2.1		Lateral
63	ST3-V2	Mount Pipe	5.833	Segment	Segment				2.1	2.1		Lateral
64	STAB-1B	Stab	3.989						1	1		Lateral
65	STAB-1U	Stab	3.989						1	1		Lateral
66	STAB-2B	Stab	3.989						1	1		Lateral
67	STAB-2U	Stab	3.989						1	1		Lateral
68	STAB-3B	Stab	3.989						1	1		Lateral
69	STAB-3U	Stab	3.989						1	1		Lateral
70	ST1-H1	Standoff	1.8						.65	.65		Lateral
71	ST1-H2	Standoff	1.8						.65	.65		Lateral
72	ST2-H1	Standoff	1.8						.65	.65		Lateral
73	ST2-H2	Standoff	1.8						.65	.65		Lateral
74	ST3-H1	Standoff	1.8						.65	.65		Lateral
75	ST3-H2	Standoff	1.8						.65	.65		Lateral
76	M147A	Standoff SR	3.499						.65	.65		Lateral
77	M167	Standoff SR	3.499						.65	.65		Lateral
78	ST1-D1	Standoff SR	3.499						.65	.65		Lateral
79	SA-1	Support Arm	.917						2.1	2.1		Lateral
80	SA-2	Support Arm	.917						2.1	2.1		Lateral
81	SA-3	Support Arm	.917						2.1	2.1		Lateral
82	SA-4	Support Arm	.917						2.1	2.1		Lateral
83	SA-5	Support Arm	.917						2.1	2.1		Lateral
84	SA-6	Support Arm	.917						2.1	2.1		Lateral
85	SA-1B	Support Arm 2	2.891						2.1	2.1		Lateral
86	SA-2B	Support Arm 2	2.891						2.1	2.1		Lateral
87	SA-3B	Support Arm 2	2.891						2.1	2.1		Lateral
88	SA-4B	Support Arm 2	2.891						2.1	2.1		Lateral
89	SA-5B	Support Arm 2	2.891						2.1	2.1		Lateral
90	SA-6B	Support Arm 2	2.891						2.1	2.1		Lateral
91	SR-1	Support Rail	12.5						2.1	2.1		Lateral
92	SR-2	Support Rail	12.5						2.1	2.1		Lateral
93	SR-3	Support Rail	12.5						2.1	2.1		Lateral
94	SRC-1	Support Rail Corner	1.251						.65	.65		Lateral
95	SRC-2	Support Rail Corner	1.251						.65	.65		Lateral
96	SRC-3	Support Rail Corner	1.251						.65	.65		Lateral

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
Checked By: NPD

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	Distribu...	Area(M...	Surface...
1	Dead	None		-1			45		9	
2	0 Wind - No Ice	None					45	96		
3	30 Wind - No Ice	None					90	192		
4	45 Wind - No Ice	None					90	192		
5	60 Wind - No Ice	None					90	192		
6	90 Wind - No Ice	None					45	96		
7	120 Wind - No Ice	None					90	192		
8	135 Wind - No Ice	None					90	192		
9	150 Wind - No Ice	None					90	192		
10	180 Wind - No Ice	None					45	96		
11	210 Wind - No Ice	None					90	192		
12	225 Wind - No Ice	None					90	192		
13	240 Wind - No Ice	None					90	192		
14	270 Wind - No Ice	None					45	96		
15	300 Wind - No Ice	None					90	192		
16	315 Wind - No Ice	None					90	192		
17	330 Wind - No Ice	None					90	192		
18	Ice Weight	None					45	96	9	
19	0 Wind - Ice	None					45	96		
20	30 Wind - Ice	None					90	192		
21	45 Wind - Ice	None					90	192		
22	60 Wind - Ice	None					90	192		
23	90 Wind - Ice	None					45	96		
24	120 Wind - Ice	None					90	192		
25	135 Wind - Ice	None					90	192		
26	150 Wind - Ice	None					90	192		
27	180 Wind - Ice	None					45	96		
28	210 Wind - Ice	None					90	192		
29	225 Wind - Ice	None					90	192		
30	240 Wind - Ice	None					90	192		
31	270 Wind - Ice	None					45	96		
32	300 Wind - Ice	None					90	192		
33	315 Wind - Ice	None					90	192		
34	330 Wind - Ice	None					90	192		
35	Lm	None				1				
36	Lv	None				1				
37	Seismic Load X	ELX	-1				45			
38	Seismic Load Z	ELZ			-1		45			
39	BLC 1 Transient Area Loads	None						56		
40	BLC 18 Transient Area Loads	None						56		

Load Combinations

	Description	So...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	BLC	Fa...	...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4D	Yes	Y		1	1.4																		
2	0.9D+1.0 0-Wind	Yes	Y		1	.9	2	1																
3	0.9D+1.0 30-Wind	Yes	Y		1	.9	3	1																
4	0.9D+1.0 45-Wind	Yes	Y		1	.9	4	1																
5	0.9D+1.0 60-Wind	Yes	Y		1	.9	5	1																
6	0.9D+1.0 90-Wind	Yes	Y		1	.9	6	1																
7	0.9D+1.0 120-Wind	Yes	Y		1	.9	7	1																
8	0.9D+1.0 135-Wind	Yes	Y		1	.9	8	1																
9	0.9D+1.0 150-Wind	Yes	Y		1	.9	9	1																
10	0.9D+1.0 180-Wind	Yes	Y		1	.9	10	1																
11	0.9D+1.0 210-Wind	Yes	Y		1	.9	11	1																
12	0.9D+1.0 225-Wind	Yes	Y		1	.9	12	1																
13	0.9D+1.0 240-Wind	Yes	Y		1	.9	13	1																
14	0.9D+1.0 270-Wind	Yes	Y		1	.9	14	1																
15	0.9D+1.0 300-Wind	Yes	Y		1	.9	15	1																
16	0.9D+1.0 315-Wind	Yes	Y		1	.9	16	1																
17	0.9D+1.0 330-Wind	Yes	Y		1	.9	17	1																
18	1.2D+1.0 0-Wind	Yes	Y		1	1.2	2	1																
19	1.2D+1.0 30-Wind	Yes	Y		1	1.2	3	1																
20	1.2D+1.0 45-Wind	Yes	Y		1	1.2	4	1																
21	1.2D+1.0 60-Wind	Yes	Y		1	1.2	5	1																
22	1.2D+1.0 90-Wind	Yes	Y		1	1.2	6	1																
23	1.2D+1.0 120-Wind	Yes	Y		1	1.2	7	1																
24	1.2D+1.0 135-Wind	Yes	Y		1	1.2	8	1																
25	1.2D+1.0 150-Wind	Yes	Y		1	1.2	9	1																
26	1.2D+1.0 180-Wind	Yes	Y		1	1.2	10	1																
27	1.2D+1.0 210-Wind	Yes	Y		1	1.2	11	1																
28	1.2D+1.0 225-Wind	Yes	Y		1	1.2	12	1																
29	1.2D+1.0 240-Wind	Yes	Y		1	1.2	13	1																
30	1.2D+1.0 270-Wind	Yes	Y		1	1.2	14	1																
31	1.2D+1.0 300-Wind	Yes	Y		1	1.2	15	1																
32	1.2D+1.0 315-Wind	Yes	Y		1	1.2	16	1																
33	1.2D+1.0 330-Wind	Yes	Y		1	1.2	17	1																
34	1.2D+1.0Di+1.0 0-Wind Ice	Yes	Y		1	1.2	18	1	19	1														
35	1.2D+1.0Di+1.0 30-Wind Ice	Yes	Y		1	1.2	18	1	20	1														
36	1.2D+1.0Di+1.0 45-Wind Ice	Yes	Y		1	1.2	18	1	21	1														
37	1.2D+1.0Di+1.0 60-Wind Ice	Yes	Y		1	1.2	18	1	22	1														
38	1.2D+1.0Di+1.0 90-Wind Ice	Yes	Y		1	1.2	18	1	23	1														
39	1.2D+1.0Di+1.0 120-Wind Ice	Yes	Y		1	1.2	18	1	24	1														
40	1.2D+1.0Di+1.0 135-Wind Ice	Yes	Y		1	1.2	18	1	25	1														
41	1.2D+1.0Di+1.0 150-Wind Ice	Yes	Y		1	1.2	18	1	26	1														
42	1.2D+1.0Di+1.0 180-Wind Ice	Yes	Y		1	1.2	18	1	27	1														
43	1.2D+1.0Di+1.0 210-Wind Ice	Yes	Y		1	1.2	18	1	28	1														
44	1.2D+1.0Di+1.0 225-Wind Ice	Yes	Y		1	1.2	18	1	29	1														
45	1.2D+1.0Di+1.0 240-Wind Ice	Yes	Y		1	1.2	18	1	30	1														
46	1.2D+1.0Di+1.0 270-Wind Ice	Yes	Y		1	1.2	18	1	31	1														
47	1.2D+1.0Di+1.0 300-Wind Ice	Yes	Y		1	1.2	18	1	32	1														
48	1.2D+1.0Di+1.0 315-Wind Ice	Yes	Y		1	1.2	18	1	33	1														
49	1.2D+1.0Di+1.0 330-Wind Ice	Yes	Y		1	1.2	18	1	34	1														
50	1.2D+1.5Lv	Yes	Y		36	1.5	1	1.2																
51	1.2D+1.5Lm+1.0 0-Wind	Yes	Y		1	1.2	2	.066	35	1.5														

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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Load Combinations (Continued)

	Description	So...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	BLC	Fa...	...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
52	1.2D+1.5Lm+1.0 30-Wind	Yes	Y		1	1.2	3	.066	35	1.5														
53	1.2D+1.5Lm+1.0 45-Wind	Yes	Y		1	1.2	4	.066	35	1.5														
54	1.2D+1.5Lm+1.0 60-Wind	Yes	Y		1	1.2	5	.066	35	1.5														
55	1.2D+1.5Lm+1.0 90-Wind	Yes	Y		1	1.2	6	.066	35	1.5														
56	1.2D+1.5Lm+1.0 120-Wind	Yes	Y		1	1.2	7	.066	35	1.5														
57	1.2D+1.5Lm+1.0 135-Wind	Yes	Y		1	1.2	8	.066	35	1.5														
58	1.2D+1.5Lm+1.0 150-Wind	Yes	Y		1	1.2	9	.066	35	1.5														
59	1.2D+1.5Lm+1.0 180-Wind	Yes	Y		1	1.2	10	.066	35	1.5														
60	1.2D+1.5Lm+1.0 210-Wind	Yes	Y		1	1.2	11	.066	35	1.5														
61	1.2D+1.5Lm+1.0 225-Wind	Yes	Y		1	1.2	12	.066	35	1.5														
62	1.2D+1.5Lm+1.0 240-Wind	Yes	Y		1	1.2	13	.066	35	1.5														
63	1.2D+1.5Lm+1.0 270-Wind	Yes	Y		1	1.2	14	.066	35	1.5														
64	1.2D+1.5Lm+1.0 300-Wind	Yes	Y		1	1.2	15	.066	35	1.5														
65	1.2D+1.5Lm+1.0 315-Wind	Yes	Y		1	1.2	16	.066	35	1.5														
66	1.2D+1.5Lm+1.0 330-Wind	Yes	Y		1	1.2	17	.066	35	1.5														
67	(1.2+0.2Sds)D+1.0 0 Seismic		Y		1	1.2...	E...	.102	0															
68	(1.2+0.2Sds)D+1.0 30 Seismic		Y		1	1.2...	E...	.088	ELZ	.051														
69	(1.2+0.2Sds)D+1.0 45 Seismic		Y		1	1.2...	E...	.072	ELZ	.072														
70	(1.2+0.2Sds)D+1.0 60 Seismic		Y		1	1.2...	E...	.051	ELZ	.088														
71	(1.2+0.2Sds)D+1.0 90 Seismic		Y		1	1.2...	0		ELZ	.102														
72	(1.2+0.2Sds)D+1.0 120 Seismic		Y		1	1.2...	E...	-.0...	ELZ	.088														
73	(1.2+0.2Sds)D+1.0 135 Seismic		Y		1	1.2...	E...	-.0...	ELZ	.072														
74	(1.2+0.2Sds)D+1.0 150 Seismic		Y		1	1.2...	E...	-.0...	ELZ	.051														
75	(1.2+0.2Sds)D+1.0 180 Seismic		Y		1	1.2...	E...	-.1...	0															
76	(1.2+0.2Sds)D+1.0 210 Seismic		Y		1	1.2...	E...	-.0...	ELZ	-.0...														
77	(1.2+0.2Sds)D+1.0 225 Seismic		Y		1	1.2...	E...	-.0...	ELZ	-.0...														
78	(1.2+0.2Sds)D+1.0 240 Seismic		Y		1	1.2...	E...	-.0...	ELZ	-.0...														
79	(1.2+0.2Sds)D+1.0 270 Seismic		Y		1	1.2...	0		ELZ	-.1...														
80	(1.2+0.2Sds)D+1.0 300 Seismic		Y		1	1.2...	E...	.051	ELZ	-.0...														
81	(1.2+0.2Sds)D+1.0 315 Seismic		Y		1	1.2...	E...	.072	ELZ	-.0...														
82	(1.2+0.2Sds)D+1.0 330 Seismic		Y		1	1.2...	E...	.088	ELZ	-.0...														
83	(0.9-0.2Sds)*DL+1.0 0 Seismic		Y		1	.859	E...	.102	0															
84	(0.9-0.2Sds)*DL+1.0 30 Seismic		Y		1	.859	E...	.088	ELZ	.051														
85	(0.9-0.2Sds)*DL+1.0 Seismic		Y		1	.859	E...	.072	ELZ	.072														
86	(0.9-0.2Sds)*DL+1.0 60 Seismic		Y		1	.859	E...	.051	ELZ	.088														
87	(0.9-0.2Sds)*DL+1.0 90 Seismic		Y		1	.859	0		ELZ	.102														
88	(0.9-0.2Sds)*DL+1.0 120 Seismic		Y		1	.859	E...	-.0...	ELZ	.088														
89	(0.9-0.2Sds)*DL+1.0 135 Seismic		Y		1	.859	E...	-.0...	ELZ	.072														
90	(0.9-0.2Sds)*DL+1.0 150 Seismic		Y		1	.859	E...	-.0...	ELZ	.051														
91	(0.9-0.2Sds)*DL+1.0 180 Seismic		Y		1	.859	E...	-.1...	0															
92	(0.9-0.2Sds)*DL+1.0 210 Seismic		Y		1	.859	E...	-.0...	ELZ	-.0...														
93	(0.9-0.2Sds)*DL+1.0 225 Seismic		Y		1	.859	E...	-.0...	ELZ	-.0...														
94	(0.9-0.2Sds)*DL+1.0 240 Seismic		Y		1	.859	E...	-.0...	ELZ	-.0...														
95	(0.9-0.2Sds)*DL+1.0 270 Seismic		Y		1	.859	0		ELZ	-.1...														
96	(0.9-0.2Sds)*DL+1.0 300 Seismic		Y		1	.859	E...	.051	ELZ	-.0...														
97	(0.9-0.2Sds)*DL+1.0 315 Seismic		Y		1	.859	E...	.072	ELZ	-.0...														
98	(0.9-0.2Sds)*DL+1.0 330 Seismic		Y		1	.859	E...	.088	ELZ	-.0...														

Joint Loads and Enforced Displacements (BLC 35 : Lm)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*...
1	N42	L	Y	-.5

Joint Loads and Enforced Displacements (BLC 36 : Lv)

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

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Y	-.075	.5
2	ST1-V1	Y	-.06	1
3	ST1-V1	Y	-.053	1
4	ST1-V1	Y	-.055	3
5	ST1-V1	Y	-.053	3
6	MP-3	Y	-.041	1
7	MP-3	Y	-.033	5
8	MP-2	Y	-.045	.5
9	MP-2	Y	-.071	3
10	MP-2	Y	-.053	3
11	MP-8	Y	-.075	.5
12	ST2-V1	Y	-.06	1
13	ST2-V1	Y	-.053	1
14	ST2-V1	Y	-.055	3
15	ST2-V1	Y	-.053	3
16	MP-7	Y	-.041	1
17	MP-7	Y	-.033	5
18	MP-6	Y	-.045	.5
19	MP-6	Y	-.071	3
20	MP-6	Y	-.053	3
21	MP-12	Y	-.075	.5
22	ST3-V1	Y	-.06	1
23	ST3-V1	Y	-.053	1
24	ST3-V1	Y	-.055	3
25	ST3-V1	Y	-.053	3
26	MP-11	Y	-.041	1
27	MP-11	Y	-.033	5
28	MP-10	Y	-.045	.5
29	MP-10	Y	-.071	3
30	MP-10	Y	-.053	3
31	MP-1	Y	-.019	1
32	MP-5	Y	-.019	1
33	MP-9	Y	-.026	1
34	MP-4	Y	-.075	7.5
35	MP-3	Y	-.041	3
36	MP-3	Y	-.033	7
37	MP-2	Y	-.045	5.5
38	MP-8	Y	-.075	7.5
39	MP-7	Y	-.041	3
40	MP-7	Y	-.033	7
41	MP-6	Y	-.045	5.5

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 1 : Dead) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
42	MP-12	Y	-.075	7.5
43	MP-11	Y	-.041	3
44	MP-11	Y	-.033	7
45	MP-10	Y	-.045	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.35	.5
2	ST1-V1	X	-.041	1
3	ST1-V1	X	-.065	1
4	ST1-V1	X	-.069	3
5	ST1-V1	X	-.05	3
6	MP-3	X	-.068	1
7	MP-3	X	-.086	5
8	MP-2	X	-.219	.5
9	MP-2	X	-.055	3
10	MP-2	X	-.065	3
11	MP-8	X	-.214	.5
12	ST2-V1	X	-.064	1
13	ST2-V1	X	-.096	1
14	ST2-V1	X	-.101	3
15	ST2-V1	X	-.104	3
16	MP-7	X	-.039	1
17	MP-7	X	-.045	5
18	MP-6	X	-.109	.5
19	MP-6	X	-.071	3
20	MP-6	X	-.096	3
21	MP-12	X	-.251	.5
22	ST3-V1	X	-.064	1
23	ST3-V1	X	-.096	1
24	ST3-V1	X	-.101	3
25	ST3-V1	X	-.104	3
26	MP-11	X	-.047	1
27	MP-11	X	-.056	5
28	MP-10	X	-.139	.5
29	MP-10	X	-.071	3
30	MP-10	X	-.096	3
31	MP-1	X	-.036	1
32	MP-5	X	-.036	1
33	MP-9	X	-.166	1
34	MP-4	X	-.35	7.5
35	MP-3	X	-.068	3
36	MP-3	X	-.086	7
37	MP-2	X	-.219	5.5
38	MP-8	X	-.214	7.5
39	MP-7	X	-.039	3
40	MP-7	X	-.045	7
41	MP-6	X	-.109	5.5
42	MP-12	X	-.251	7.5
43	MP-11	X	-.047	3
44	MP-11	X	-.056	7

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
45	MP-10	X	-.139	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.234	.5
2	ST1-V1	X	-.042	1
3	ST1-V1	X	-.065	1
4	ST1-V1	X	-.069	3
5	ST1-V1	X	-.059	3
6	MP-3	X	-.044	1
7	MP-3	X	-.053	5
8	MP-2	X	-.134	.5
9	MP-2	X	-.052	3
10	MP-2	X	-.065	3
11	MP-8	X	-.164	.5
12	ST2-V1	X	-.062	1
13	ST2-V1	X	-.092	1
14	ST2-V1	X	-.096	3
15	ST2-V1	X	-.106	3
16	MP-7	X	-.029	1
17	MP-7	X	-.032	5
18	MP-6	X	-.077	.5
19	MP-6	X	-.066	3
20	MP-6	X	-.092	3
21	MP-12	X	-.293	.5
22	ST3-V1	X	-.042	1
23	ST3-V1	X	-.065	1
24	ST3-V1	X	-.069	3
25	ST3-V1	X	-.059	3
26	MP-11	X	-.056	1
27	MP-11	X	-.071	5
28	MP-10	X	-.182	.5
29	MP-10	X	-.052	3
30	MP-10	X	-.065	3
31	MP-1	X	-.031	1
32	MP-5	X	-.031	1
33	MP-9	X	-.109	1
34	MP-4	X	-.234	7.5
35	MP-3	X	-.044	3
36	MP-3	X	-.053	7
37	MP-2	X	-.134	5.5
38	MP-8	X	-.164	7.5
39	MP-7	X	-.029	3
40	MP-7	X	-.032	7
41	MP-6	X	-.077	5.5
42	MP-12	X	-.293	7.5
43	MP-11	X	-.056	3
44	MP-11	X	-.071	7
45	MP-10	X	-.182	5.5
46	MP-4	Z	-.135	.5
47	ST1-V1	Z	-.024	1

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 3 : 30 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
48	ST1-V1	Z	-.038	1
49	ST1-V1	Z	-.04	3
50	ST1-V1	Z	-.034	3
51	MP-3	Z	-.025	1
52	MP-3	Z	-.031	5
53	MP-2	Z	-.077	.5
54	MP-2	Z	-.03	3
55	MP-2	Z	-.038	3
56	MP-8	Z	-.095	.5
57	ST2-V1	Z	-.036	1
58	ST2-V1	Z	-.053	1
59	ST2-V1	Z	-.056	3
60	ST2-V1	Z	-.061	3
61	MP-7	Z	-.017	1
62	MP-7	Z	-.019	5
63	MP-6	Z	-.045	.5
64	MP-6	Z	-.038	3
65	MP-6	Z	-.053	3
66	MP-12	Z	-.169	.5
67	ST3-V1	Z	-.024	1
68	ST3-V1	Z	-.038	1
69	ST3-V1	Z	-.04	3
70	ST3-V1	Z	-.034	3
71	MP-11	Z	-.033	1
72	MP-11	Z	-.041	5
73	MP-10	Z	-.105	.5
74	MP-10	Z	-.03	3
75	MP-10	Z	-.038	3
76	MP-1	Z	-.018	1
77	MP-5	Z	-.018	1
78	MP-9	Z	-.063	1
79	MP-4	Z	-.135	7.5
80	MP-3	Z	-.025	3
81	MP-3	Z	-.031	7
82	MP-2	Z	-.077	5.5
83	MP-8	Z	-.095	7.5
84	MP-7	Z	-.017	3
85	MP-7	Z	-.019	7
86	MP-6	Z	-.045	5.5
87	MP-12	Z	-.169	7.5
88	MP-11	Z	-.033	3
89	MP-11	Z	-.041	7
90	MP-10	Z	-.105	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.16	.5
2	ST1-V1	X	-.04	1
3	ST1-V1	X	-.06	1
4	ST1-V1	X	-.064	3
5	ST1-V1	X	-.061	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP-3	X	-.029	1
7	MP-3	X	-.034	5
8	MP-2	X	-.084	.5
9	MP-2	X	-.046	3
10	MP-2	X	-.06	3
11	MP-8	X	-.15	.5
12	ST2-V1	X	-.049	1
13	ST2-V1	X	-.073	1
14	ST2-V1	X	-.077	3
15	ST2-V1	X	-.083	3
16	MP-7	X	-.027	1
17	MP-7	X	-.031	5
18	MP-6	X	-.076	.5
19	MP-6	X	-.053	3
20	MP-6	X	-.073	3
21	MP-12	X	-.256	.5
22	ST3-V1	X	-.031	1
23	ST3-V1	X	-.048	1
24	ST3-V1	X	-.051	3
25	ST3-V1	X	-.039	3
26	MP-11	X	-.049	1
27	MP-11	X	-.063	5
28	MP-10	X	-.162	.5
29	MP-10	X	-.04	3
30	MP-10	X	-.048	3
31	MP-1	X	-.025	1
32	MP-5	X	-.025	1
33	MP-9	X	-.079	1
34	MP-4	X	-.16	7.5
35	MP-3	X	-.029	3
36	MP-3	X	-.034	7
37	MP-2	X	-.084	5.5
38	MP-8	X	-.15	7.5
39	MP-7	X	-.027	3
40	MP-7	X	-.031	7
41	MP-6	X	-.076	5.5
42	MP-12	X	-.256	7.5
43	MP-11	X	-.049	3
44	MP-11	X	-.063	7
45	MP-10	X	-.162	5.5
46	MP-4	Z	-.16	.5
47	ST1-V1	Z	-.04	1
48	ST1-V1	Z	-.06	1
49	ST1-V1	Z	-.064	3
50	ST1-V1	Z	-.061	3
51	MP-3	Z	-.029	1
52	MP-3	Z	-.034	5
53	MP-2	Z	-.084	.5
54	MP-2	Z	-.046	3
55	MP-2	Z	-.06	3
56	MP-8	Z	-.15	.5
57	ST2-V1	Z	-.049	1

Company : Tower Engineering Professionals, Inc.
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Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 4 : 45 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	ST2-V1	Z	-.073	1
59	ST2-V1	Z	-.077	3
60	ST2-V1	Z	-.083	3
61	MP-7	Z	-.027	1
62	MP-7	Z	-.031	5
63	MP-6	Z	-.076	.5
64	MP-6	Z	-.053	3
65	MP-6	Z	-.073	3
66	MP-12	Z	-.256	.5
67	ST3-V1	Z	-.031	1
68	ST3-V1	Z	-.048	1
69	ST3-V1	Z	-.051	3
70	ST3-V1	Z	-.039	3
71	MP-11	Z	-.049	1
72	MP-11	Z	-.063	5
73	MP-10	Z	-.162	.5
74	MP-10	Z	-.04	3
75	MP-10	Z	-.048	3
76	MP-1	Z	-.025	1
77	MP-5	Z	-.025	1
78	MP-9	Z	-.079	1
79	MP-4	Z	-.16	7.5
80	MP-3	Z	-.029	3
81	MP-3	Z	-.034	7
82	MP-2	Z	-.084	5.5
83	MP-8	Z	-.15	7.5
84	MP-7	Z	-.027	3
85	MP-7	Z	-.031	7
86	MP-6	Z	-.076	5.5
87	MP-12	Z	-.256	7.5
88	MP-11	Z	-.049	3
89	MP-11	Z	-.063	7
90	MP-10	Z	-.162	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.098	.5
2	ST1-V1	X	-.032	1
3	ST1-V1	X	-.048	1
4	ST1-V1	X	-.05	3
5	ST1-V1	X	-.052	3
6	MP-3	X	-.018	1
7	MP-3	X	-.02	5
8	MP-2	X	-.047	.5
9	MP-2	X	-.036	3
10	MP-2	X	-.048	3
11	MP-8	X	-.126	.5
12	ST2-V1	X	-.032	1
13	ST2-V1	X	-.048	1
14	ST2-V1	X	-.05	3
15	ST2-V1	X	-.052	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP-7	X	-.023	1
17	MP-7	X	-.028	5
18	MP-6	X	-.07	.5
19	MP-6	X	-.036	3
20	MP-6	X	-.048	3
21	MP-12	X	-.181	.5
22	ST3-V1	X	-.021	1
23	ST3-V1	X	-.032	1
24	ST3-V1	X	-.035	3
25	ST3-V1	X	-.025	3
26	MP-11	X	-.035	1
27	MP-11	X	-.045	5
28	MP-10	X	-.115	.5
29	MP-10	X	-.027	3
30	MP-10	X	-.032	3
31	MP-1	X	-.018	1
32	MP-5	X	-.018	1
33	MP-9	X	-.053	1
34	MP-4	X	-.098	7.5
35	MP-3	X	-.018	3
36	MP-3	X	-.02	7
37	MP-2	X	-.047	5.5
38	MP-8	X	-.126	7.5
39	MP-7	X	-.023	3
40	MP-7	X	-.028	7
41	MP-6	X	-.07	5.5
42	MP-12	X	-.181	7.5
43	MP-11	X	-.035	3
44	MP-11	X	-.045	7
45	MP-10	X	-.115	5.5
46	MP-4	Z	-.169	.5
47	ST1-V1	Z	-.055	1
48	ST1-V1	Z	-.083	1
49	ST1-V1	Z	-.087	3
50	ST1-V1	Z	-.09	3
51	MP-3	Z	-.031	1
52	MP-3	Z	-.034	5
53	MP-2	Z	-.082	.5
54	MP-2	Z	-.062	3
55	MP-2	Z	-.083	3
56	MP-8	Z	-.218	.5
57	ST2-V1	Z	-.055	1
58	ST2-V1	Z	-.083	1
59	ST2-V1	Z	-.087	3
60	ST2-V1	Z	-.09	3
61	MP-7	Z	-.041	1
62	MP-7	Z	-.048	5
63	MP-6	Z	-.121	.5
64	MP-6	Z	-.062	3
65	MP-6	Z	-.083	3
66	MP-12	Z	-.314	.5
67	ST3-V1	Z	-.036	1

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 5 : 60 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
68	ST3-V1	Z	-.056	1
69	ST3-V1	Z	-.06	3
70	ST3-V1	Z	-.043	3
71	MP-11	Z	-.061	1
72	MP-11	Z	-.077	5
73	MP-10	Z	-.199	.5
74	MP-10	Z	-.047	3
75	MP-10	Z	-.056	3
76	MP-1	Z	-.031	1
77	MP-5	Z	-.031	1
78	MP-9	Z	-.092	1
79	MP-4	Z	-.169	7.5
80	MP-3	Z	-.031	3
81	MP-3	Z	-.034	7
82	MP-2	Z	-.082	5.5
83	MP-8	Z	-.218	7.5
84	MP-7	Z	-.041	3
85	MP-7	Z	-.048	7
86	MP-6	Z	-.121	5.5
87	MP-12	Z	-.314	7.5
88	MP-11	Z	-.061	3
89	MP-11	Z	-.077	7
90	MP-10	Z	-.199	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	-.202	.5
2	ST1-V1	Z	-.072	1
3	ST1-V1	Z	-.106	1
4	ST1-V1	Z	-.111	3
5	ST1-V1	Z	-.122	3
6	MP-3	Z	-.037	1
7	MP-3	Z	-.041	5
8	MP-2	Z	-.099	.5
9	MP-2	Z	-.076	3
10	MP-2	Z	-.106	3
11	MP-8	Z	-.338	.5
12	ST2-V1	Z	-.049	1
13	ST2-V1	Z	-.075	1
14	ST2-V1	Z	-.08	3
15	ST2-V1	Z	-.068	3
16	MP-7	Z	-.065	1
17	MP-7	Z	-.082	5
18	MP-6	Z	-.21	.5
19	MP-6	Z	-.06	3
20	MP-6	Z	-.075	3
21	MP-12	Z	-.301	.5
22	ST3-V1	Z	-.049	1
23	ST3-V1	Z	-.075	1
24	ST3-V1	Z	-.08	3
25	ST3-V1	Z	-.068	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
26	MP-11	Z	-.057	1
27	MP-11	Z	-.071	5
28	MP-10	Z	-.179	.5
29	MP-10	Z	-.06	3
30	MP-10	Z	-.075	3
31	MP-1	Z	-.036	1
32	MP-5	Z	-.036	1
33	MP-9	Z	-.126	1
34	MP-4	Z	-.202	7.5
35	MP-3	Z	-.037	3
36	MP-3	Z	-.041	7
37	MP-2	Z	-.099	5.5
38	MP-8	Z	-.338	7.5
39	MP-7	Z	-.065	3
40	MP-7	Z	-.082	7
41	MP-6	Z	-.21	5.5
42	MP-12	Z	-.301	7.5
43	MP-11	Z	-.057	3
44	MP-11	Z	-.071	7
45	MP-10	Z	-.179	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.141	.5
2	ST1-V1	X	.032	1
3	ST1-V1	X	.048	1
4	ST1-V1	X	.05	3
5	ST1-V1	X	.052	3
6	MP-3	X	.027	1
7	MP-3	X	.033	5
8	MP-2	X	.082	.5
9	MP-2	X	.036	3
10	MP-2	X	.048	3
11	MP-8	X	.181	.5
12	ST2-V1	X	.021	1
13	ST2-V1	X	.032	1
14	ST2-V1	X	.035	3
15	ST2-V1	X	.025	3
16	MP-7	X	.035	1
17	MP-7	X	.045	5
18	MP-6	X	.115	.5
19	MP-6	X	.027	3
20	MP-6	X	.032	3
21	MP-12	X	.107	.5
22	ST3-V1	X	.032	1
23	ST3-V1	X	.048	1
24	ST3-V1	X	.05	3
25	ST3-V1	X	.052	3
26	MP-11	X	.02	1
27	MP-11	X	.022	5
28	MP-10	X	.055	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
29	MP-10	X	.036	3
30	MP-10	X	.048	3
31	MP-1	X	.018	1
32	MP-5	X	.018	1
33	MP-9	X	.083	1
34	MP-4	X	.141	7.5
35	MP-3	X	.027	3
36	MP-3	X	.033	7
37	MP-2	X	.082	5.5
38	MP-8	X	.181	7.5
39	MP-7	X	.035	3
40	MP-7	X	.045	7
41	MP-6	X	.115	5.5
42	MP-12	X	.107	7.5
43	MP-11	X	.02	3
44	MP-11	X	.022	7
45	MP-10	X	.055	5.5
46	MP-4	Z	-.244	.5
47	ST1-V1	Z	-.055	1
48	ST1-V1	Z	-.083	1
49	ST1-V1	Z	-.087	3
50	ST1-V1	Z	-.09	3
51	MP-3	Z	-.046	1
52	MP-3	Z	-.056	5
53	MP-2	Z	-.142	.5
54	MP-2	Z	-.062	3
55	MP-2	Z	-.083	3
56	MP-8	Z	-.314	.5
57	ST2-V1	Z	-.036	1
58	ST2-V1	Z	-.056	1
59	ST2-V1	Z	-.06	3
60	ST2-V1	Z	-.043	3
61	MP-7	Z	-.061	1
62	MP-7	Z	-.077	5
63	MP-6	Z	-.199	.5
64	MP-6	Z	-.047	3
65	MP-6	Z	-.056	3
66	MP-12	Z	-.185	.5
67	ST3-V1	Z	-.055	1
68	ST3-V1	Z	-.083	1
69	ST3-V1	Z	-.087	3
70	ST3-V1	Z	-.09	3
71	MP-11	Z	-.034	1
72	MP-11	Z	-.039	5
73	MP-10	Z	-.095	.5
74	MP-10	Z	-.062	3
75	MP-10	Z	-.083	3
76	MP-1	Z	-.031	1
77	MP-5	Z	-.031	1
78	MP-9	Z	-.144	1
79	MP-4	Z	-.244	7.5
80	MP-3	Z	-.046	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
81	MP-3	Z	-.056	7
82	MP-2	Z	-.142	5.5
83	MP-8	Z	-.314	7.5
84	MP-7	Z	-.061	3
85	MP-7	Z	-.077	7
86	MP-6	Z	-.199	5.5
87	MP-12	Z	-.185	7.5
88	MP-11	Z	-.034	3
89	MP-11	Z	-.039	7
90	MP-10	Z	-.095	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.231	.5
2	ST1-V1	X	.04	1
3	ST1-V1	X	.06	1
4	ST1-V1	X	.064	3
5	ST1-V1	X	.061	3
6	MP-3	X	.044	1
7	MP-3	X	.055	5
8	MP-2	X	.141	.5
9	MP-2	X	.046	3
10	MP-2	X	.06	3
11	MP-8	X	.241	.5
12	ST2-V1	X	.031	1
13	ST2-V1	X	.048	1
14	ST2-V1	X	.051	3
15	ST2-V1	X	.039	3
16	MP-7	X	.046	1
17	MP-7	X	.058	5
18	MP-6	X	.15	.5
19	MP-6	X	.04	3
20	MP-6	X	.048	3
21	MP-12	X	.134	.5
22	ST3-V1	X	.049	1
23	ST3-V1	X	.073	1
24	ST3-V1	X	.077	3
25	ST3-V1	X	.083	3
26	MP-11	X	.024	1
27	MP-11	X	.026	5
28	MP-10	X	.064	.5
29	MP-10	X	.053	3
30	MP-10	X	.073	3
31	MP-1	X	.025	1
32	MP-5	X	.025	1
33	MP-9	X	.128	1
34	MP-4	X	.231	7.5
35	MP-3	X	.044	3
36	MP-3	X	.055	7
37	MP-2	X	.141	5.5
38	MP-8	X	.241	7.5

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 8 : 135 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP-7	X	.046	3
40	MP-7	X	.058	7
41	MP-6	X	.15	5.5
42	MP-12	X	.134	7.5
43	MP-11	X	.024	3
44	MP-11	X	.026	7
45	MP-10	X	.064	5.5
46	MP-4	Z	-.231	.5
47	ST1-V1	Z	-.04	1
48	ST1-V1	Z	-.06	1
49	ST1-V1	Z	-.064	3
50	ST1-V1	Z	-.061	3
51	MP-3	Z	-.044	1
52	MP-3	Z	-.055	5
53	MP-2	Z	-.141	.5
54	MP-2	Z	-.046	3
55	MP-2	Z	-.06	3
56	MP-8	Z	-.241	.5
57	ST2-V1	Z	-.031	1
58	ST2-V1	Z	-.048	1
59	ST2-V1	Z	-.051	3
60	ST2-V1	Z	-.039	3
61	MP-7	Z	-.046	1
62	MP-7	Z	-.058	5
63	MP-6	Z	-.15	.5
64	MP-6	Z	-.04	3
65	MP-6	Z	-.048	3
66	MP-12	Z	-.134	.5
67	ST3-V1	Z	-.049	1
68	ST3-V1	Z	-.073	1
69	ST3-V1	Z	-.077	3
70	ST3-V1	Z	-.083	3
71	MP-11	Z	-.024	1
72	MP-11	Z	-.026	5
73	MP-10	Z	-.064	.5
74	MP-10	Z	-.053	3
75	MP-10	Z	-.073	3
76	MP-1	Z	-.025	1
77	MP-5	Z	-.025	1
78	MP-9	Z	-.128	1
79	MP-4	Z	-.231	7.5
80	MP-3	Z	-.044	3
81	MP-3	Z	-.055	7
82	MP-2	Z	-.141	5.5
83	MP-8	Z	-.241	7.5
84	MP-7	Z	-.046	3
85	MP-7	Z	-.058	7
86	MP-6	Z	-.15	5.5
87	MP-12	Z	-.134	7.5
88	MP-11	Z	-.024	3
89	MP-11	Z	-.026	7
90	MP-10	Z	-.064	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.309	.5
2	ST1-V1	X	.042	1
3	ST1-V1	X	.065	1
4	ST1-V1	X	.069	3
5	ST1-V1	X	.059	3
6	MP-3	X	.06	1
7	MP-3	X	.076	5
8	MP-2	X	.194	.5
9	MP-2	X	.052	3
10	MP-2	X	.065	3
11	MP-8	X	.26	.5
12	ST2-V1	X	.042	1
13	ST2-V1	X	.065	1
14	ST2-V1	X	.069	3
15	ST2-V1	X	.059	3
16	MP-7	X	.05	1
17	MP-7	X	.061	5
18	MP-6	X	.155	.5
19	MP-6	X	.052	3
20	MP-6	X	.065	3
21	MP-12	X	.164	.5
22	ST3-V1	X	.062	1
23	ST3-V1	X	.092	1
24	ST3-V1	X	.096	3
25	ST3-V1	X	.106	3
26	MP-11	X	.029	1
27	MP-11	X	.032	5
28	MP-10	X	.077	.5
29	MP-10	X	.066	3
30	MP-10	X	.092	3
31	MP-1	X	.031	1
32	MP-5	X	.031	1
33	MP-9	X	.161	1
34	MP-4	X	.309	7.5
35	MP-3	X	.06	3
36	MP-3	X	.076	7
37	MP-2	X	.194	5.5
38	MP-8	X	.26	7.5
39	MP-7	X	.05	3
40	MP-7	X	.061	7
41	MP-6	X	.155	5.5
42	MP-12	X	.164	7.5
43	MP-11	X	.029	3
44	MP-11	X	.032	7
45	MP-10	X	.077	5.5
46	MP-4	Z	-.178	.5
47	ST1-V1	Z	-.024	1
48	ST1-V1	Z	-.038	1
49	ST1-V1	Z	-.04	3
50	ST1-V1	Z	-.034	3
51	MP-3	Z	-.034	1
52	MP-3	Z	-.044	5

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 9 : 150 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP-2	Z	-.112	.5
54	MP-2	Z	-.03	3
55	MP-2	Z	-.038	3
56	MP-8	Z	-.15	.5
57	ST2-V1	Z	-.024	1
58	ST2-V1	Z	-.038	1
59	ST2-V1	Z	-.04	3
60	ST2-V1	Z	-.034	3
61	MP-7	Z	-.029	1
62	MP-7	Z	-.035	5
63	MP-6	Z	-.09	.5
64	MP-6	Z	-.03	3
65	MP-6	Z	-.038	3
66	MP-12	Z	-.095	.5
67	ST3-V1	Z	-.036	1
68	ST3-V1	Z	-.053	1
69	ST3-V1	Z	-.056	3
70	ST3-V1	Z	-.061	3
71	MP-11	Z	-.017	1
72	MP-11	Z	-.019	5
73	MP-10	Z	-.045	.5
74	MP-10	Z	-.038	3
75	MP-10	Z	-.053	3
76	MP-1	Z	-.018	1
77	MP-5	Z	-.018	1
78	MP-9	Z	-.093	1
79	MP-4	Z	-.178	7.5
80	MP-3	Z	-.034	3
81	MP-3	Z	-.044	7
82	MP-2	Z	-.112	5.5
83	MP-8	Z	-.15	7.5
84	MP-7	Z	-.029	3
85	MP-7	Z	-.035	7
86	MP-6	Z	-.09	5.5
87	MP-12	Z	-.095	7.5
88	MP-11	Z	-.017	3
89	MP-11	Z	-.019	7
90	MP-10	Z	-.045	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.35	.5
2	ST1-V1	X	.041	1
3	ST1-V1	X	.065	1
4	ST1-V1	X	.069	3
5	ST1-V1	X	.05	3
6	MP-3	X	.068	1
7	MP-3	X	.086	5
8	MP-2	X	.219	.5
9	MP-2	X	.055	3
10	MP-2	X	.065	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP-8	X	.214	.5
12	ST2-V1	X	.064	1
13	ST2-V1	X	.096	1
14	ST2-V1	X	.101	3
15	ST2-V1	X	.104	3
16	MP-7	X	.039	1
17	MP-7	X	.045	5
18	MP-6	X	.109	.5
19	MP-6	X	.071	3
20	MP-6	X	.096	3
21	MP-12	X	.251	.5
22	ST3-V1	X	.064	1
23	ST3-V1	X	.096	1
24	ST3-V1	X	.101	3
25	ST3-V1	X	.104	3
26	MP-11	X	.047	1
27	MP-11	X	.056	5
28	MP-10	X	.139	.5
29	MP-10	X	.071	3
30	MP-10	X	.096	3
31	MP-1	X	.036	1
32	MP-5	X	.036	1
33	MP-9	X	.166	1
34	MP-4	X	.35	7.5
35	MP-3	X	.068	3
36	MP-3	X	.086	7
37	MP-2	X	.219	5.5
38	MP-8	X	.214	7.5
39	MP-7	X	.039	3
40	MP-7	X	.045	7
41	MP-6	X	.109	5.5
42	MP-12	X	.251	7.5
43	MP-11	X	.047	3
44	MP-11	X	.056	7
45	MP-10	X	.139	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.234	.5
2	ST1-V1	X	.042	1
3	ST1-V1	X	.065	1
4	ST1-V1	X	.069	3
5	ST1-V1	X	.059	3
6	MP-3	X	.044	1
7	MP-3	X	.053	5
8	MP-2	X	.134	.5
9	MP-2	X	.052	3
10	MP-2	X	.065	3
11	MP-8	X	.164	.5
12	ST2-V1	X	.062	1
13	ST2-V1	X	.092	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
14	ST2-V1	X	.096	3
15	ST2-V1	X	.106	3
16	MP-7	X	.029	1
17	MP-7	X	.032	5
18	MP-6	X	.077	.5
19	MP-6	X	.066	3
20	MP-6	X	.092	3
21	MP-12	X	.293	.5
22	ST3-V1	X	.042	1
23	ST3-V1	X	.065	1
24	ST3-V1	X	.069	3
25	ST3-V1	X	.059	3
26	MP-11	X	.056	1
27	MP-11	X	.071	5
28	MP-10	X	.182	.5
29	MP-10	X	.052	3
30	MP-10	X	.065	3
31	MP-1	X	.031	1
32	MP-5	X	.031	1
33	MP-9	X	.109	1
34	MP-4	X	.234	7.5
35	MP-3	X	.044	3
36	MP-3	X	.053	7
37	MP-2	X	.134	5.5
38	MP-8	X	.164	7.5
39	MP-7	X	.029	3
40	MP-7	X	.032	7
41	MP-6	X	.077	5.5
42	MP-12	X	.293	7.5
43	MP-11	X	.056	3
44	MP-11	X	.071	7
45	MP-10	X	.182	5.5
46	MP-4	Z	.135	.5
47	ST1-V1	Z	.024	1
48	ST1-V1	Z	.038	1
49	ST1-V1	Z	.04	3
50	ST1-V1	Z	.034	3
51	MP-3	Z	.025	1
52	MP-3	Z	.031	5
53	MP-2	Z	.077	.5
54	MP-2	Z	.03	3
55	MP-2	Z	.038	3
56	MP-8	Z	.095	.5
57	ST2-V1	Z	.036	1
58	ST2-V1	Z	.053	1
59	ST2-V1	Z	.056	3
60	ST2-V1	Z	.061	3
61	MP-7	Z	.017	1
62	MP-7	Z	.019	5
63	MP-6	Z	.045	.5
64	MP-6	Z	.038	3
65	MP-6	Z	.053	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
66	MP-12	Z	.169	.5
67	ST3-V1	Z	.024	1
68	ST3-V1	Z	.038	1
69	ST3-V1	Z	.04	3
70	ST3-V1	Z	.034	3
71	MP-11	Z	.033	1
72	MP-11	Z	.041	5
73	MP-10	Z	.105	.5
74	MP-10	Z	.03	3
75	MP-10	Z	.038	3
76	MP-1	Z	.018	1
77	MP-5	Z	.018	1
78	MP-9	Z	.063	1
79	MP-4	Z	.135	7.5
80	MP-3	Z	.025	3
81	MP-3	Z	.031	7
82	MP-2	Z	.077	5.5
83	MP-8	Z	.095	7.5
84	MP-7	Z	.017	3
85	MP-7	Z	.019	7
86	MP-6	Z	.045	5.5
87	MP-12	Z	.169	7.5
88	MP-11	Z	.033	3
89	MP-11	Z	.041	7
90	MP-10	Z	.105	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.16	.5
2	ST1-V1	X	.04	1
3	ST1-V1	X	.06	1
4	ST1-V1	X	.064	3
5	ST1-V1	X	.061	3
6	MP-3	X	.029	1
7	MP-3	X	.034	5
8	MP-2	X	.084	.5
9	MP-2	X	.046	3
10	MP-2	X	.06	3
11	MP-8	X	.15	.5
12	ST2-V1	X	.049	1
13	ST2-V1	X	.073	1
14	ST2-V1	X	.077	3
15	ST2-V1	X	.083	3
16	MP-7	X	.027	1
17	MP-7	X	.031	5
18	MP-6	X	.076	.5
19	MP-6	X	.053	3
20	MP-6	X	.073	3
21	MP-12	X	.256	.5
22	ST3-V1	X	.031	1
23	ST3-V1	X	.048	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	ST3-V1	X	.051	3
25	ST3-V1	X	.039	3
26	MP-11	X	.049	1
27	MP-11	X	.063	5
28	MP-10	X	.162	.5
29	MP-10	X	.04	3
30	MP-10	X	.048	3
31	MP-1	X	.025	1
32	MP-5	X	.025	1
33	MP-9	X	.079	1
34	MP-4	X	.16	7.5
35	MP-3	X	.029	3
36	MP-3	X	.034	7
37	MP-2	X	.084	5.5
38	MP-8	X	.15	7.5
39	MP-7	X	.027	3
40	MP-7	X	.031	7
41	MP-6	X	.076	5.5
42	MP-12	X	.256	7.5
43	MP-11	X	.049	3
44	MP-11	X	.063	7
45	MP-10	X	.162	5.5
46	MP-4	Z	.16	.5
47	ST1-V1	Z	.04	1
48	ST1-V1	Z	.06	1
49	ST1-V1	Z	.064	3
50	ST1-V1	Z	.061	3
51	MP-3	Z	.029	1
52	MP-3	Z	.034	5
53	MP-2	Z	.084	.5
54	MP-2	Z	.046	3
55	MP-2	Z	.06	3
56	MP-8	Z	.15	.5
57	ST2-V1	Z	.049	1
58	ST2-V1	Z	.073	1
59	ST2-V1	Z	.077	3
60	ST2-V1	Z	.083	3
61	MP-7	Z	.027	1
62	MP-7	Z	.031	5
63	MP-6	Z	.076	.5
64	MP-6	Z	.053	3
65	MP-6	Z	.073	3
66	MP-12	Z	.256	.5
67	ST3-V1	Z	.031	1
68	ST3-V1	Z	.048	1
69	ST3-V1	Z	.051	3
70	ST3-V1	Z	.039	3
71	MP-11	Z	.049	1
72	MP-11	Z	.063	5
73	MP-10	Z	.162	.5
74	MP-10	Z	.04	3
75	MP-10	Z	.048	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
76	MP-1	Z	.025	1
77	MP-5	Z	.025	1
78	MP-9	Z	.079	1
79	MP-4	Z	.16	7.5
80	MP-3	Z	.029	3
81	MP-3	Z	.034	7
82	MP-2	Z	.084	5.5
83	MP-8	Z	.15	7.5
84	MP-7	Z	.027	3
85	MP-7	Z	.031	7
86	MP-6	Z	.076	5.5
87	MP-12	Z	.256	7.5
88	MP-11	Z	.049	3
89	MP-11	Z	.063	7
90	MP-10	Z	.162	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.098	.5
2	ST1-V1	X	.032	1
3	ST1-V1	X	.048	1
4	ST1-V1	X	.05	3
5	ST1-V1	X	.052	3
6	MP-3	X	.018	1
7	MP-3	X	.02	5
8	MP-2	X	.047	.5
9	MP-2	X	.036	3
10	MP-2	X	.048	3
11	MP-8	X	.126	.5
12	ST2-V1	X	.032	1
13	ST2-V1	X	.048	1
14	ST2-V1	X	.05	3
15	ST2-V1	X	.052	3
16	MP-7	X	.023	1
17	MP-7	X	.028	5
18	MP-6	X	.07	.5
19	MP-6	X	.036	3
20	MP-6	X	.048	3
21	MP-12	X	.181	.5
22	ST3-V1	X	.021	1
23	ST3-V1	X	.032	1
24	ST3-V1	X	.035	3
25	ST3-V1	X	.025	3
26	MP-11	X	.035	1
27	MP-11	X	.045	5
28	MP-10	X	.115	.5
29	MP-10	X	.027	3
30	MP-10	X	.032	3
31	MP-1	X	.018	1
32	MP-5	X	.018	1
33	MP-9	X	.053	1

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
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Member Point Loads (BLC 13 : 240 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
34	MP-4	X	.098	7.5
35	MP-3	X	.018	3
36	MP-3	X	.02	7
37	MP-2	X	.047	5.5
38	MP-8	X	.126	7.5
39	MP-7	X	.023	3
40	MP-7	X	.028	7
41	MP-6	X	.07	5.5
42	MP-12	X	.181	7.5
43	MP-11	X	.035	3
44	MP-11	X	.045	7
45	MP-10	X	.115	5.5
46	MP-4	Z	.169	.5
47	ST1-V1	Z	.055	1
48	ST1-V1	Z	.083	1
49	ST1-V1	Z	.087	3
50	ST1-V1	Z	.09	3
51	MP-3	Z	.031	1
52	MP-3	Z	.034	5
53	MP-2	Z	.082	.5
54	MP-2	Z	.062	3
55	MP-2	Z	.083	3
56	MP-8	Z	.218	.5
57	ST2-V1	Z	.055	1
58	ST2-V1	Z	.083	1
59	ST2-V1	Z	.087	3
60	ST2-V1	Z	.09	3
61	MP-7	Z	.041	1
62	MP-7	Z	.048	5
63	MP-6	Z	.121	.5
64	MP-6	Z	.062	3
65	MP-6	Z	.083	3
66	MP-12	Z	.314	.5
67	ST3-V1	Z	.036	1
68	ST3-V1	Z	.056	1
69	ST3-V1	Z	.06	3
70	ST3-V1	Z	.043	3
71	MP-11	Z	.061	1
72	MP-11	Z	.077	5
73	MP-10	Z	.199	.5
74	MP-10	Z	.047	3
75	MP-10	Z	.056	3
76	MP-1	Z	.031	1
77	MP-5	Z	.031	1
78	MP-9	Z	.092	1
79	MP-4	Z	.169	7.5
80	MP-3	Z	.031	3
81	MP-3	Z	.034	7
82	MP-2	Z	.082	5.5
83	MP-8	Z	.218	7.5
84	MP-7	Z	.041	3
85	MP-7	Z	.048	7

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
86	MP-6	Z	.121	5.5
87	MP-12	Z	.314	7.5
88	MP-11	Z	.061	3
89	MP-11	Z	.077	7
90	MP-10	Z	.199	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	.202	.5
2	ST1-V1	Z	.072	1
3	ST1-V1	Z	.106	1
4	ST1-V1	Z	.111	3
5	ST1-V1	Z	.122	3
6	MP-3	Z	.037	1
7	MP-3	Z	.041	5
8	MP-2	Z	.099	.5
9	MP-2	Z	.076	3
10	MP-2	Z	.106	3
11	MP-8	Z	.338	.5
12	ST2-V1	Z	.049	1
13	ST2-V1	Z	.075	1
14	ST2-V1	Z	.08	3
15	ST2-V1	Z	.068	3
16	MP-7	Z	.065	1
17	MP-7	Z	.082	5
18	MP-6	Z	.21	.5
19	MP-6	Z	.06	3
20	MP-6	Z	.075	3
21	MP-12	Z	.301	.5
22	ST3-V1	Z	.049	1
23	ST3-V1	Z	.075	1
24	ST3-V1	Z	.08	3
25	ST3-V1	Z	.068	3
26	MP-11	Z	.057	1
27	MP-11	Z	.071	5
28	MP-10	Z	.179	.5
29	MP-10	Z	.06	3
30	MP-10	Z	.075	3
31	MP-1	Z	.036	1
32	MP-5	Z	.036	1
33	MP-9	Z	.126	1
34	MP-4	Z	.202	7.5
35	MP-3	Z	.037	3
36	MP-3	Z	.041	7
37	MP-2	Z	.099	5.5
38	MP-8	Z	.338	7.5
39	MP-7	Z	.065	3
40	MP-7	Z	.082	7
41	MP-6	Z	.21	5.5
42	MP-12	Z	.301	7.5
43	MP-11	Z	.057	3

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
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Member Point Loads (BLC 14 : 270 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
44	MP-11	Z	.071	7
45	MP-10	Z	.179	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.141	.5
2	ST1-V1	X	-.032	1
3	ST1-V1	X	-.048	1
4	ST1-V1	X	-.05	3
5	ST1-V1	X	-.052	3
6	MP-3	X	-.027	1
7	MP-3	X	-.033	5
8	MP-2	X	-.082	.5
9	MP-2	X	-.036	3
10	MP-2	X	-.048	3
11	MP-8	X	-.181	.5
12	ST2-V1	X	-.021	1
13	ST2-V1	X	-.032	1
14	ST2-V1	X	-.035	3
15	ST2-V1	X	-.025	3
16	MP-7	X	-.035	1
17	MP-7	X	-.045	5
18	MP-6	X	-.115	.5
19	MP-6	X	-.027	3
20	MP-6	X	-.032	3
21	MP-12	X	-.107	.5
22	ST3-V1	X	-.032	1
23	ST3-V1	X	-.048	1
24	ST3-V1	X	-.05	3
25	ST3-V1	X	-.052	3
26	MP-11	X	-.02	1
27	MP-11	X	-.022	5
28	MP-10	X	-.055	.5
29	MP-10	X	-.036	3
30	MP-10	X	-.048	3
31	MP-1	X	-.018	1
32	MP-5	X	-.018	1
33	MP-9	X	-.083	1
34	MP-4	X	-.141	7.5
35	MP-3	X	-.027	3
36	MP-3	X	-.033	7
37	MP-2	X	-.082	5.5
38	MP-8	X	-.181	7.5
39	MP-7	X	-.035	3
40	MP-7	X	-.045	7
41	MP-6	X	-.115	5.5
42	MP-12	X	-.107	7.5
43	MP-11	X	-.02	3
44	MP-11	X	-.022	7
45	MP-10	X	-.055	5.5
46	MP-4	Z	.244	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	ST1-V1	Z	.055	1
48	ST1-V1	Z	.083	1
49	ST1-V1	Z	.087	3
50	ST1-V1	Z	.09	3
51	MP-3	Z	.046	1
52	MP-3	Z	.056	5
53	MP-2	Z	.142	.5
54	MP-2	Z	.062	3
55	MP-2	Z	.083	3
56	MP-8	Z	.314	.5
57	ST2-V1	Z	.036	1
58	ST2-V1	Z	.056	1
59	ST2-V1	Z	.06	3
60	ST2-V1	Z	.043	3
61	MP-7	Z	.061	1
62	MP-7	Z	.077	5
63	MP-6	Z	.199	.5
64	MP-6	Z	.047	3
65	MP-6	Z	.056	3
66	MP-12	Z	.185	.5
67	ST3-V1	Z	.055	1
68	ST3-V1	Z	.083	1
69	ST3-V1	Z	.087	3
70	ST3-V1	Z	.09	3
71	MP-11	Z	.034	1
72	MP-11	Z	.039	5
73	MP-10	Z	.095	.5
74	MP-10	Z	.062	3
75	MP-10	Z	.083	3
76	MP-1	Z	.031	1
77	MP-5	Z	.031	1
78	MP-9	Z	.144	1
79	MP-4	Z	.244	7.5
80	MP-3	Z	.046	3
81	MP-3	Z	.056	7
82	MP-2	Z	.142	5.5
83	MP-8	Z	.314	7.5
84	MP-7	Z	.061	3
85	MP-7	Z	.077	7
86	MP-6	Z	.199	5.5
87	MP-12	Z	.185	7.5
88	MP-11	Z	.034	3
89	MP-11	Z	.039	7
90	MP-10	Z	.095	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.231	.5
2	ST1-V1	X	-.04	1
3	ST1-V1	X	-.06	1
4	ST1-V1	X	-.064	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	ST1-V1	X	-.061	3
6	MP-3	X	-.044	1
7	MP-3	X	-.055	5
8	MP-2	X	-.141	.5
9	MP-2	X	-.046	3
10	MP-2	X	-.06	3
11	MP-8	X	-.241	.5
12	ST2-V1	X	-.031	1
13	ST2-V1	X	-.048	1
14	ST2-V1	X	-.051	3
15	ST2-V1	X	-.039	3
16	MP-7	X	-.046	1
17	MP-7	X	-.058	5
18	MP-6	X	-.15	.5
19	MP-6	X	-.04	3
20	MP-6	X	-.048	3
21	MP-12	X	-.134	.5
22	ST3-V1	X	-.049	1
23	ST3-V1	X	-.073	1
24	ST3-V1	X	-.077	3
25	ST3-V1	X	-.083	3
26	MP-11	X	-.024	1
27	MP-11	X	-.026	5
28	MP-10	X	-.064	.5
29	MP-10	X	-.053	3
30	MP-10	X	-.073	3
31	MP-1	X	-.025	1
32	MP-5	X	-.025	1
33	MP-9	X	-.128	1
34	MP-4	X	-.231	7.5
35	MP-3	X	-.044	3
36	MP-3	X	-.055	7
37	MP-2	X	-.141	5.5
38	MP-8	X	-.241	7.5
39	MP-7	X	-.046	3
40	MP-7	X	-.058	7
41	MP-6	X	-.15	5.5
42	MP-12	X	-.134	7.5
43	MP-11	X	-.024	3
44	MP-11	X	-.026	7
45	MP-10	X	-.064	5.5
46	MP-4	Z	.231	.5
47	ST1-V1	Z	.04	1
48	ST1-V1	Z	.06	1
49	ST1-V1	Z	.064	3
50	ST1-V1	Z	.061	3
51	MP-3	Z	.044	1
52	MP-3	Z	.055	5
53	MP-2	Z	.141	.5
54	MP-2	Z	.046	3
55	MP-2	Z	.06	3
56	MP-8	Z	.241	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
57	ST2-V1	Z	.031	1
58	ST2-V1	Z	.048	1
59	ST2-V1	Z	.051	3
60	ST2-V1	Z	.039	3
61	MP-7	Z	.046	1
62	MP-7	Z	.058	5
63	MP-6	Z	.15	.5
64	MP-6	Z	.04	3
65	MP-6	Z	.048	3
66	MP-12	Z	.134	.5
67	ST3-V1	Z	.049	1
68	ST3-V1	Z	.073	1
69	ST3-V1	Z	.077	3
70	ST3-V1	Z	.083	3
71	MP-11	Z	.024	1
72	MP-11	Z	.026	5
73	MP-10	Z	.064	.5
74	MP-10	Z	.053	3
75	MP-10	Z	.073	3
76	MP-1	Z	.025	1
77	MP-5	Z	.025	1
78	MP-9	Z	.128	1
79	MP-4	Z	.231	7.5
80	MP-3	Z	.044	3
81	MP-3	Z	.055	7
82	MP-2	Z	.141	5.5
83	MP-8	Z	.241	7.5
84	MP-7	Z	.046	3
85	MP-7	Z	.058	7
86	MP-6	Z	.15	5.5
87	MP-12	Z	.134	7.5
88	MP-11	Z	.024	3
89	MP-11	Z	.026	7
90	MP-10	Z	.064	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.309	.5
2	ST1-V1	X	-.042	1
3	ST1-V1	X	-.065	1
4	ST1-V1	X	-.069	3
5	ST1-V1	X	-.059	3
6	MP-3	X	-.06	1
7	MP-3	X	-.076	5
8	MP-2	X	-.194	.5
9	MP-2	X	-.052	3
10	MP-2	X	-.065	3
11	MP-8	X	-.26	.5
12	ST2-V1	X	-.042	1
13	ST2-V1	X	-.065	1
14	ST2-V1	X	-.069	3

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 17 : 330 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	ST2-V1	X	-.059	3
16	MP-7	X	-.05	1
17	MP-7	X	-.061	5
18	MP-6	X	-.155	.5
19	MP-6	X	-.052	3
20	MP-6	X	-.065	3
21	MP-12	X	-.164	.5
22	ST3-V1	X	-.062	1
23	ST3-V1	X	-.092	1
24	ST3-V1	X	-.096	3
25	ST3-V1	X	-.106	3
26	MP-11	X	-.029	1
27	MP-11	X	-.032	5
28	MP-10	X	-.077	.5
29	MP-10	X	-.066	3
30	MP-10	X	-.092	3
31	MP-1	X	-.031	1
32	MP-5	X	-.031	1
33	MP-9	X	-.161	1
34	MP-4	X	-.309	7.5
35	MP-3	X	-.06	3
36	MP-3	X	-.076	7
37	MP-2	X	-.194	5.5
38	MP-8	X	-.26	7.5
39	MP-7	X	-.05	3
40	MP-7	X	-.061	7
41	MP-6	X	-.155	5.5
42	MP-12	X	-.164	7.5
43	MP-11	X	-.029	3
44	MP-11	X	-.032	7
45	MP-10	X	-.077	5.5
46	MP-4	Z	.178	.5
47	ST1-V1	Z	.024	1
48	ST1-V1	Z	.038	1
49	ST1-V1	Z	.04	3
50	ST1-V1	Z	.034	3
51	MP-3	Z	.034	1
52	MP-3	Z	.044	5
53	MP-2	Z	.112	.5
54	MP-2	Z	.03	3
55	MP-2	Z	.038	3
56	MP-8	Z	.15	.5
57	ST2-V1	Z	.024	1
58	ST2-V1	Z	.038	1
59	ST2-V1	Z	.04	3
60	ST2-V1	Z	.034	3
61	MP-7	Z	.029	1
62	MP-7	Z	.035	5
63	MP-6	Z	.09	.5
64	MP-6	Z	.03	3
65	MP-6	Z	.038	3
66	MP-12	Z	.095	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
67	ST3-V1	Z	.036	1
68	ST3-V1	Z	.053	1
69	ST3-V1	Z	.056	3
70	ST3-V1	Z	.061	3
71	MP-11	Z	.017	1
72	MP-11	Z	.019	5
73	MP-10	Z	.045	.5
74	MP-10	Z	.038	3
75	MP-10	Z	.053	3
76	MP-1	Z	.018	1
77	MP-5	Z	.018	1
78	MP-9	Z	.093	1
79	MP-4	Z	.178	7.5
80	MP-3	Z	.034	3
81	MP-3	Z	.044	7
82	MP-2	Z	.112	5.5
83	MP-8	Z	.15	7.5
84	MP-7	Z	.029	3
85	MP-7	Z	.035	7
86	MP-6	Z	.09	5.5
87	MP-12	Z	.095	7.5
88	MP-11	Z	.017	3
89	MP-11	Z	.019	7
90	MP-10	Z	.045	5.5

Member Point Loads (BLC 18 : Ice Weight)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Y	-.203	.5
2	ST1-V1	Y	-.065	1
3	ST1-V1	Y	-.085	1
4	ST1-V1	Y	-.09	3
5	ST1-V1	Y	-.092	3
6	MP-3	Y	-.058	1
7	MP-3	Y	-.05	5
8	MP-2	Y	-.139	.5
9	MP-2	Y	-.075	3
10	MP-2	Y	-.085	3
11	MP-8	Y	-.203	.5
12	ST2-V1	Y	-.065	1
13	ST2-V1	Y	-.085	1
14	ST2-V1	Y	-.09	3
15	ST2-V1	Y	-.092	3
16	MP-7	Y	-.058	1
17	MP-7	Y	-.05	5
18	MP-6	Y	-.139	.5
19	MP-6	Y	-.075	3
20	MP-6	Y	-.085	3
21	MP-12	Y	-.203	.5
22	ST3-V1	Y	-.065	1
23	ST3-V1	Y	-.085	1
24	ST3-V1	Y	-.09	3

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 18 : Ice Weight) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	ST3-V1	Y	-.092	3
26	MP-11	Y	-.058	1
27	MP-11	Y	-.05	5
28	MP-10	Y	-.139	.5
29	MP-10	Y	-.075	3
30	MP-10	Y	-.085	3
31	MP-1	Y	-.06	1
32	MP-5	Y	-.06	1
33	MP-9	Y	-.143	1
34	MP-4	Y	-.203	7.5
35	MP-3	Y	-.058	3
36	MP-3	Y	-.05	7
37	MP-2	Y	-.139	5.5
38	MP-8	Y	-.203	7.5
39	MP-7	Y	-.058	3
40	MP-7	Y	-.05	7
41	MP-6	Y	-.139	5.5
42	MP-12	Y	-.203	7.5
43	MP-11	Y	-.058	3
44	MP-11	Y	-.05	7
45	MP-10	Y	-.139	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.079	.5
2	ST1-V1	X	-.02	1
3	ST1-V1	X	-.028	1
4	ST1-V1	X	-.029	3
5	ST1-V1	X	-.031	3
6	MP-3	X	-.017	1
7	MP-3	X	-.022	5
8	MP-2	X	-.051	.5
9	MP-2	X	-.021	3
10	MP-2	X	-.028	3
11	MP-8	X	-.079	.5
12	ST2-V1	X	-.02	1
13	ST2-V1	X	-.028	1
14	ST2-V1	X	-.029	3
15	ST2-V1	X	-.031	3
16	MP-7	X	-.017	1
17	MP-7	X	-.022	5
18	MP-6	X	-.051	.5
19	MP-6	X	-.021	3
20	MP-6	X	-.028	3
21	MP-12	X	-.079	.5
22	ST3-V1	X	-.02	1
23	ST3-V1	X	-.028	1
24	ST3-V1	X	-.029	3
25	ST3-V1	X	-.031	3
26	MP-11	X	-.017	1
27	MP-11	X	-.022	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP-10	X	-.051	.5
29	MP-10	X	-.021	3
30	MP-10	X	-.028	3
31	MP-1	X	-.01	1
32	MP-5	X	-.01	1
33	MP-9	X	-.028	1
34	MP-4	X	-.079	7.5
35	MP-3	X	-.017	3
36	MP-3	X	-.022	7
37	MP-2	X	-.051	5.5
38	MP-8	X	-.079	7.5
39	MP-7	X	-.017	3
40	MP-7	X	-.022	7
41	MP-6	X	-.051	5.5
42	MP-12	X	-.079	7.5
43	MP-11	X	-.017	3
44	MP-11	X	-.022	7
45	MP-10	X	-.051	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.053	.5
2	ST1-V1	X	-.013	1
3	ST1-V1	X	-.018	1
4	ST1-V1	X	-.019	3
5	ST1-V1	X	-.017	3
6	MP-3	X	-.011	1
7	MP-3	X	-.014	5
8	MP-2	X	-.031	.5
9	MP-2	X	-.015	3
10	MP-2	X	-.018	3
11	MP-8	X	-.04	.5
12	ST2-V1	X	-.017	1
13	ST2-V1	X	-.024	1
14	ST2-V1	X	-.025	3
15	ST2-V1	X	-.027	3
16	MP-7	X	-.008	1
17	MP-7	X	-.009	5
18	MP-6	X	-.02	.5
19	MP-6	X	-.018	3
20	MP-6	X	-.024	3
21	MP-12	X	-.064	.5
22	ST3-V1	X	-.013	1
23	ST3-V1	X	-.018	1
24	ST3-V1	X	-.019	3
25	ST3-V1	X	-.017	3
26	MP-11	X	-.014	1
27	MP-11	X	-.017	5
28	MP-10	X	-.04	.5
29	MP-10	X	-.015	3
30	MP-10	X	-.018	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
31	MP-1	X	-.008	1
32	MP-5	X	-.008	1
33	MP-9	X	-.028	1
34	MP-4	X	-.053	7.5
35	MP-3	X	-.011	3
36	MP-3	X	-.014	7
37	MP-2	X	-.031	5.5
38	MP-8	X	-.04	7.5
39	MP-7	X	-.008	3
40	MP-7	X	-.009	7
41	MP-6	X	-.02	5.5
42	MP-12	X	-.064	7.5
43	MP-11	X	-.014	3
44	MP-11	X	-.017	7
45	MP-10	X	-.04	5.5
46	MP-4	Z	-.03	.5
47	ST1-V1	Z	-.007	1
48	ST1-V1	Z	-.011	1
49	ST1-V1	Z	-.011	3
50	ST1-V1	Z	-.01	3
51	MP-3	Z	-.006	1
52	MP-3	Z	-.008	5
53	MP-2	Z	-.018	.5
54	MP-2	Z	-.009	3
55	MP-2	Z	-.011	3
56	MP-8	Z	-.023	.5
57	ST2-V1	Z	-.01	1
58	ST2-V1	Z	-.014	1
59	ST2-V1	Z	-.015	3
60	ST2-V1	Z	-.015	3
61	MP-7	Z	-.005	1
62	MP-7	Z	-.005	5
63	MP-6	Z	-.012	.5
64	MP-6	Z	-.01	3
65	MP-6	Z	-.014	3
66	MP-12	Z	-.037	.5
67	ST3-V1	Z	-.007	1
68	ST3-V1	Z	-.011	1
69	ST3-V1	Z	-.011	3
70	ST3-V1	Z	-.01	3
71	MP-11	Z	-.008	1
72	MP-11	Z	-.01	5
73	MP-10	Z	-.023	.5
74	MP-10	Z	-.009	3
75	MP-10	Z	-.011	3
76	MP-1	Z	-.005	1
77	MP-5	Z	-.005	1
78	MP-9	Z	-.016	1
79	MP-4	Z	-.03	7.5
80	MP-3	Z	-.006	3
81	MP-3	Z	-.008	7
82	MP-2	Z	-.018	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
83	MP-8	Z	-.023	7.5
84	MP-7	Z	-.005	3
85	MP-7	Z	-.005	7
86	MP-6	Z	-.012	5.5
87	MP-12	Z	-.037	7.5
88	MP-11	Z	-.008	3
89	MP-11	Z	-.01	7
90	MP-10	Z	-.023	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.037	.5
2	ST1-V1	X	-.012	1
3	ST1-V1	X	-.017	1
4	ST1-V1	X	-.017	3
5	ST1-V1	X	-.016	3
6	MP-3	X	-.008	1
7	MP-3	X	-.009	5
8	MP-2	X	-.021	.5
9	MP-2	X	-.013	3
10	MP-2	X	-.017	3
11	MP-8	X	-.035	.5
12	ST2-V1	X	-.014	1
13	ST2-V1	X	-.019	1
14	ST2-V1	X	-.02	3
15	ST2-V1	X	-.021	3
16	MP-7	X	-.007	1
17	MP-7	X	-.009	5
18	MP-6	X	-.019	.5
19	MP-6	X	-.015	3
20	MP-6	X	-.019	3
21	MP-12	X	-.055	.5
22	ST3-V1	X	-.01	1
23	ST3-V1	X	-.014	1
24	ST3-V1	X	-.015	3
25	ST3-V1	X	-.012	3
26	MP-11	X	-.012	1
27	MP-11	X	-.015	5
28	MP-10	X	-.035	.5
29	MP-10	X	-.012	3
30	MP-10	X	-.014	3
31	MP-1	X	-.007	1
32	MP-5	X	-.007	1
33	MP-9	X	-.021	1
34	MP-4	X	-.037	7.5
35	MP-3	X	-.008	3
36	MP-3	X	-.009	7
37	MP-2	X	-.021	5.5
38	MP-8	X	-.035	7.5
39	MP-7	X	-.007	3
40	MP-7	X	-.009	7

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 21 : 45 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
41	MP-6	X	-.019	5.5
42	MP-12	X	-.055	7.5
43	MP-11	X	-.012	3
44	MP-11	X	-.015	7
45	MP-10	X	-.035	5.5
46	MP-4	Z	-.037	.5
47	ST1-V1	Z	-.012	1
48	ST1-V1	Z	-.017	1
49	ST1-V1	Z	-.017	3
50	ST1-V1	Z	-.016	3
51	MP-3	Z	-.008	1
52	MP-3	Z	-.009	5
53	MP-2	Z	-.021	.5
54	MP-2	Z	-.013	3
55	MP-2	Z	-.017	3
56	MP-8	Z	-.035	.5
57	ST2-V1	Z	-.014	1
58	ST2-V1	Z	-.019	1
59	ST2-V1	Z	-.02	3
60	ST2-V1	Z	-.021	3
61	MP-7	Z	-.007	1
62	MP-7	Z	-.009	5
63	MP-6	Z	-.019	.5
64	MP-6	Z	-.015	3
65	MP-6	Z	-.019	3
66	MP-12	Z	-.055	.5
67	ST3-V1	Z	-.01	1
68	ST3-V1	Z	-.014	1
69	ST3-V1	Z	-.015	3
70	ST3-V1	Z	-.012	3
71	MP-11	Z	-.012	1
72	MP-11	Z	-.015	5
73	MP-10	Z	-.035	.5
74	MP-10	Z	-.012	3
75	MP-10	Z	-.014	3
76	MP-1	Z	-.007	1
77	MP-5	Z	-.007	1
78	MP-9	Z	-.021	1
79	MP-4	Z	-.037	7.5
80	MP-3	Z	-.008	3
81	MP-3	Z	-.009	7
82	MP-2	Z	-.021	5.5
83	MP-8	Z	-.035	7.5
84	MP-7	Z	-.007	3
85	MP-7	Z	-.009	7
86	MP-6	Z	-.019	5.5
87	MP-12	Z	-.055	7.5
88	MP-11	Z	-.012	3
89	MP-11	Z	-.015	7
90	MP-10	Z	-.035	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.023	.5
2	ST1-V1	X	-.009	1
3	ST1-V1	X	-.013	1
4	ST1-V1	X	-.013	3
5	ST1-V1	X	-.013	3
6	MP-3	X	-.005	1
7	MP-3	X	-.006	5
8	MP-2	X	-.012	.5
9	MP-2	X	-.01	3
10	MP-2	X	-.013	3
11	MP-8	X	-.029	.5
12	ST2-V1	X	-.009	1
13	ST2-V1	X	-.013	1
14	ST2-V1	X	-.013	3
15	ST2-V1	X	-.013	3
16	MP-7	X	-.006	1
17	MP-7	X	-.007	5
18	MP-6	X	-.016	.5
19	MP-6	X	-.01	3
20	MP-6	X	-.013	3
21	MP-12	X	-.039	.5
22	ST3-V1	X	-.007	1
23	ST3-V1	X	-.01	1
24	ST3-V1	X	-.01	3
25	ST3-V1	X	-.008	3
26	MP-11	X	-.008	1
27	MP-11	X	-.011	5
28	MP-10	X	-.025	.5
29	MP-10	X	-.008	3
30	MP-10	X	-.01	3
31	MP-1	X	-.005	1
32	MP-5	X	-.005	1
33	MP-9	X	-.014	1
34	MP-4	X	-.023	7.5
35	MP-3	X	-.005	3
36	MP-3	X	-.006	7
37	MP-2	X	-.012	5.5
38	MP-8	X	-.029	7.5
39	MP-7	X	-.006	3
40	MP-7	X	-.007	7
41	MP-6	X	-.016	5.5
42	MP-12	X	-.039	7.5
43	MP-11	X	-.008	3
44	MP-11	X	-.011	7
45	MP-10	X	-.025	5.5
46	MP-4	Z	-.041	.5
47	ST1-V1	Z	-.016	1
48	ST1-V1	Z	-.022	1
49	ST1-V1	Z	-.023	3
50	ST1-V1	Z	-.023	3
51	MP-3	Z	-.009	1
52	MP-3	Z	-.01	5

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
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Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 22 : 60 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP-2	Z	-.021	.5
54	MP-2	Z	-.017	3
55	MP-2	Z	-.022	3
56	MP-8	Z	-.05	.5
57	ST2-V1	Z	-.016	1
58	ST2-V1	Z	-.022	1
59	ST2-V1	Z	-.023	3
60	ST2-V1	Z	-.023	3
61	MP-7	Z	-.011	1
62	MP-7	Z	-.013	5
63	MP-6	Z	-.029	.5
64	MP-6	Z	-.017	3
65	MP-6	Z	-.022	3
66	MP-12	Z	-.068	.5
67	ST3-V1	Z	-.011	1
68	ST3-V1	Z	-.017	1
69	ST3-V1	Z	-.017	3
70	ST3-V1	Z	-.013	3
71	MP-11	Z	-.015	1
72	MP-11	Z	-.019	5
73	MP-10	Z	-.043	.5
74	MP-10	Z	-.014	3
75	MP-10	Z	-.017	3
76	MP-1	Z	-.008	1
77	MP-5	Z	-.008	1
78	MP-9	Z	-.024	1
79	MP-4	Z	-.041	7.5
80	MP-3	Z	-.009	3
81	MP-3	Z	-.01	7
82	MP-2	Z	-.021	5.5
83	MP-8	Z	-.05	7.5
84	MP-7	Z	-.011	3
85	MP-7	Z	-.013	7
86	MP-6	Z	-.029	5.5
87	MP-12	Z	-.068	7.5
88	MP-11	Z	-.015	3
89	MP-11	Z	-.019	7
90	MP-10	Z	-.043	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	-.045	.5
2	ST1-V1	Z	-.013	1
3	ST1-V1	Z	-.019	1
4	ST1-V1	Z	-.02	3
5	ST1-V1	Z	-.015	3
6	MP-3	Z	-.009	1
7	MP-3	Z	-.011	5
8	MP-2	Z	-.023	.5
9	MP-2	Z	-.016	3
10	MP-2	Z	-.019	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP-8	Z	-.045	.5
12	ST2-V1	Z	-.013	1
13	ST2-V1	Z	-.019	1
14	ST2-V1	Z	-.02	3
15	ST2-V1	Z	-.015	3
16	MP-7	Z	-.009	1
17	MP-7	Z	-.011	5
18	MP-6	Z	-.023	.5
19	MP-6	Z	-.016	3
20	MP-6	Z	-.019	3
21	MP-12	Z	-.045	.5
22	ST3-V1	Z	-.013	1
23	ST3-V1	Z	-.019	1
24	ST3-V1	Z	-.02	3
25	ST3-V1	Z	-.015	3
26	MP-11	Z	-.009	1
27	MP-11	Z	-.011	5
28	MP-10	Z	-.023	.5
29	MP-10	Z	-.016	3
30	MP-10	Z	-.019	3
31	MP-1	Z	-.01	1
32	MP-5	Z	-.01	1
33	MP-9	Z	-.045	1
34	MP-4	Z	-.045	7.5
35	MP-3	Z	-.009	3
36	MP-3	Z	-.011	7
37	MP-2	Z	-.023	5.5
38	MP-8	Z	-.045	7.5
39	MP-7	Z	-.009	3
40	MP-7	Z	-.011	7
41	MP-6	Z	-.023	5.5
42	MP-12	Z	-.045	7.5
43	MP-11	Z	-.009	3
44	MP-11	Z	-.011	7
45	MP-10	Z	-.023	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.032	.5
2	ST1-V1	X	.009	1
3	ST1-V1	X	.013	1
4	ST1-V1	X	.013	3
5	ST1-V1	X	.013	3
6	MP-3	X	.007	1
7	MP-3	X	.008	5
8	MP-2	X	.019	.5
9	MP-2	X	.01	3
10	MP-2	X	.013	3
11	MP-8	X	.039	.5
12	ST2-V1	X	.007	1
13	ST2-V1	X	.01	1

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 24 : 120 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
14	ST2-V1	X	.01	3
15	ST2-V1	X	.008	3
16	MP-7	X	.008	1
17	MP-7	X	.011	5
18	MP-6	X	.025	.5
19	MP-6	X	.008	3
20	MP-6	X	.01	3
21	MP-12	X	.025	.5
22	ST3-V1	X	.009	1
23	ST3-V1	X	.013	1
24	ST3-V1	X	.013	3
25	ST3-V1	X	.013	3
26	MP-11	X	.005	1
27	MP-11	X	.006	5
28	MP-10	X	.014	.5
29	MP-10	X	.01	3
30	MP-10	X	.013	3
31	MP-1	X	.005	1
32	MP-5	X	.005	1
33	MP-9	X	.02	1
34	MP-4	X	.032	7.5
35	MP-3	X	.007	3
36	MP-3	X	.008	7
37	MP-2	X	.019	5.5
38	MP-8	X	.039	7.5
39	MP-7	X	.008	3
40	MP-7	X	.011	7
41	MP-6	X	.025	5.5
42	MP-12	X	.025	7.5
43	MP-11	X	.005	3
44	MP-11	X	.006	7
45	MP-10	X	.014	5.5
46	MP-4	Z	-.055	.5
47	ST1-V1	Z	-.016	1
48	ST1-V1	Z	-.022	1
49	ST1-V1	Z	-.023	3
50	ST1-V1	Z	-.023	3
51	MP-3	Z	-.012	1
52	MP-3	Z	-.014	5
53	MP-2	Z	-.033	.5
54	MP-2	Z	-.017	3
55	MP-2	Z	-.022	3
56	MP-8	Z	-.068	.5
57	ST2-V1	Z	-.011	1
58	ST2-V1	Z	-.017	1
59	ST2-V1	Z	-.017	3
60	ST2-V1	Z	-.013	3
61	MP-7	Z	-.015	1
62	MP-7	Z	-.019	5
63	MP-6	Z	-.043	.5
64	MP-6	Z	-.014	3
65	MP-6	Z	-.017	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
66	MP-12	Z	-.044	.5
67	ST3-V1	Z	-.016	1
68	ST3-V1	Z	-.022	1
69	ST3-V1	Z	-.023	3
70	ST3-V1	Z	-.023	3
71	MP-11	Z	-.009	1
72	MP-11	Z	-.011	5
73	MP-10	Z	-.024	.5
74	MP-10	Z	-.017	3
75	MP-10	Z	-.022	3
76	MP-1	Z	-.008	1
77	MP-5	Z	-.008	1
78	MP-9	Z	-.035	1
79	MP-4	Z	-.055	7.5
80	MP-3	Z	-.012	3
81	MP-3	Z	-.014	7
82	MP-2	Z	-.033	5.5
83	MP-8	Z	-.068	7.5
84	MP-7	Z	-.015	3
85	MP-7	Z	-.019	7
86	MP-6	Z	-.043	5.5
87	MP-12	Z	-.044	7.5
88	MP-11	Z	-.009	3
89	MP-11	Z	-.011	7
90	MP-10	Z	-.024	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.05	.5
2	ST1-V1	X	.012	1
3	ST1-V1	X	.017	1
4	ST1-V1	X	.017	3
5	ST1-V1	X	.016	3
6	MP-3	X	.011	1
7	MP-3	X	.014	5
8	MP-2	X	.031	.5
9	MP-2	X	.013	3
10	MP-2	X	.017	3
11	MP-8	X	.052	.5
12	ST2-V1	X	.01	1
13	ST2-V1	X	.014	1
14	ST2-V1	X	.015	3
15	ST2-V1	X	.012	3
16	MP-7	X	.011	1
17	MP-7	X	.014	5
18	MP-6	X	.033	.5
19	MP-6	X	.012	3
20	MP-6	X	.014	3
21	MP-12	X	.032	.5
22	ST3-V1	X	.014	1
23	ST3-V1	X	.019	1

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
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Member Point Loads (BLC 25 : 135 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	ST3-V1	X	.02	3
25	ST3-V1	X	.021	3
26	MP-11	X	.007	1
27	MP-11	X	.008	5
28	MP-10	X	.017	.5
29	MP-10	X	.015	3
30	MP-10	X	.019	3
31	MP-1	X	.007	1
32	MP-5	X	.007	1
33	MP-9	X	.031	1
34	MP-4	X	.05	7.5
35	MP-3	X	.011	3
36	MP-3	X	.014	7
37	MP-2	X	.031	5.5
38	MP-8	X	.052	7.5
39	MP-7	X	.011	3
40	MP-7	X	.014	7
41	MP-6	X	.033	5.5
42	MP-12	X	.032	7.5
43	MP-11	X	.007	3
44	MP-11	X	.008	7
45	MP-10	X	.017	5.5
46	MP-4	Z	-.05	.5
47	ST1-V1	Z	-.012	1
48	ST1-V1	Z	-.017	1
49	ST1-V1	Z	-.017	3
50	ST1-V1	Z	-.016	3
51	MP-3	Z	-.011	1
52	MP-3	Z	-.014	5
53	MP-2	Z	-.031	.5
54	MP-2	Z	-.013	3
55	MP-2	Z	-.017	3
56	MP-8	Z	-.052	.5
57	ST2-V1	Z	-.01	1
58	ST2-V1	Z	-.014	1
59	ST2-V1	Z	-.015	3
60	ST2-V1	Z	-.012	3
61	MP-7	Z	-.011	1
62	MP-7	Z	-.014	5
63	MP-6	Z	-.033	.5
64	MP-6	Z	-.012	3
65	MP-6	Z	-.014	3
66	MP-12	Z	-.032	.5
67	ST3-V1	Z	-.014	1
68	ST3-V1	Z	-.019	1
69	ST3-V1	Z	-.02	3
70	ST3-V1	Z	-.021	3
71	MP-11	Z	-.007	1
72	MP-11	Z	-.008	5
73	MP-10	Z	-.017	.5
74	MP-10	Z	-.015	3
75	MP-10	Z	-.019	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
76	MP-1	Z	-.007	1
77	MP-5	Z	-.007	1
78	MP-9	Z	-.031	1
79	MP-4	Z	-.05	7.5
80	MP-3	Z	-.011	3
81	MP-3	Z	-.014	7
82	MP-2	Z	-.031	5.5
83	MP-8	Z	-.052	7.5
84	MP-7	Z	-.011	3
85	MP-7	Z	-.014	7
86	MP-6	Z	-.033	5.5
87	MP-12	Z	-.032	7.5
88	MP-11	Z	-.007	3
89	MP-11	Z	-.008	7
90	MP-10	Z	-.017	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.067	.5
2	ST1-V1	X	.013	1
3	ST1-V1	X	.018	1
4	ST1-V1	X	.019	3
5	ST1-V1	X	.017	3
6	MP-3	X	.014	1
7	MP-3	X	.018	5
8	MP-2	X	.043	.5
9	MP-2	X	.015	3
10	MP-2	X	.018	3
11	MP-8	X	.058	.5
12	ST2-V1	X	.013	1
13	ST2-V1	X	.018	1
14	ST2-V1	X	.019	3
15	ST2-V1	X	.017	3
16	MP-7	X	.012	1
17	MP-7	X	.015	5
18	MP-6	X	.035	.5
19	MP-6	X	.015	3
20	MP-6	X	.018	3
21	MP-12	X	.04	.5
22	ST3-V1	X	.017	1
23	ST3-V1	X	.024	1
24	ST3-V1	X	.025	3
25	ST3-V1	X	.027	3
26	MP-11	X	.008	1
27	MP-11	X	.009	5
28	MP-10	X	.02	.5
29	MP-10	X	.018	3
30	MP-10	X	.024	3
31	MP-1	X	.008	1
32	MP-5	X	.008	1
33	MP-9	X	.039	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
34	MP-4	X	.067	7.5
35	MP-3	X	.014	3
36	MP-3	X	.018	7
37	MP-2	X	.043	5.5
38	MP-8	X	.058	7.5
39	MP-7	X	.012	3
40	MP-7	X	.015	7
41	MP-6	X	.035	5.5
42	MP-12	X	.04	7.5
43	MP-11	X	.008	3
44	MP-11	X	.009	7
45	MP-10	X	.02	5.5
46	MP-4	Z	-.038	.5
47	ST1-V1	Z	-.007	1
48	ST1-V1	Z	-.011	1
49	ST1-V1	Z	-.011	3
50	ST1-V1	Z	-.01	3
51	MP-3	Z	-.008	1
52	MP-3	Z	-.011	5
53	MP-2	Z	-.025	.5
54	MP-2	Z	-.009	3
55	MP-2	Z	-.011	3
56	MP-8	Z	-.033	.5
57	ST2-V1	Z	-.007	1
58	ST2-V1	Z	-.011	1
59	ST2-V1	Z	-.011	3
60	ST2-V1	Z	-.01	3
61	MP-7	Z	-.007	1
62	MP-7	Z	-.009	5
63	MP-6	Z	-.02	.5
64	MP-6	Z	-.009	3
65	MP-6	Z	-.011	3
66	MP-12	Z	-.023	.5
67	ST3-V1	Z	-.01	1
68	ST3-V1	Z	-.014	1
69	ST3-V1	Z	-.015	3
70	ST3-V1	Z	-.015	3
71	MP-11	Z	-.005	1
72	MP-11	Z	-.005	5
73	MP-10	Z	-.012	.5
74	MP-10	Z	-.01	3
75	MP-10	Z	-.014	3
76	MP-1	Z	-.005	1
77	MP-5	Z	-.005	1
78	MP-9	Z	-.022	1
79	MP-4	Z	-.038	7.5
80	MP-3	Z	-.008	3
81	MP-3	Z	-.011	7
82	MP-2	Z	-.025	5.5
83	MP-8	Z	-.033	7.5
84	MP-7	Z	-.007	3
85	MP-7	Z	-.009	7

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
86	MP-6	Z	-.02	5.5
87	MP-12	Z	-.023	7.5
88	MP-11	Z	-.005	3
89	MP-11	Z	-.005	7
90	MP-10	Z	-.012	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.079	.5
2	ST1-V1	X	.02	1
3	ST1-V1	X	.028	1
4	ST1-V1	X	.029	3
5	ST1-V1	X	.031	3
6	MP-3	X	.017	1
7	MP-3	X	.022	5
8	MP-2	X	.051	.5
9	MP-2	X	.021	3
10	MP-2	X	.028	3
11	MP-8	X	.079	.5
12	ST2-V1	X	.02	1
13	ST2-V1	X	.028	1
14	ST2-V1	X	.029	3
15	ST2-V1	X	.031	3
16	MP-7	X	.017	1
17	MP-7	X	.022	5
18	MP-6	X	.051	.5
19	MP-6	X	.021	3
20	MP-6	X	.028	3
21	MP-12	X	.079	.5
22	ST3-V1	X	.02	1
23	ST3-V1	X	.028	1
24	ST3-V1	X	.029	3
25	ST3-V1	X	.031	3
26	MP-11	X	.017	1
27	MP-11	X	.022	5
28	MP-10	X	.051	.5
29	MP-10	X	.021	3
30	MP-10	X	.028	3
31	MP-1	X	.01	1
32	MP-5	X	.01	1
33	MP-9	X	.028	1
34	MP-4	X	.079	7.5
35	MP-3	X	.017	3
36	MP-3	X	.022	7
37	MP-2	X	.051	5.5
38	MP-8	X	.079	7.5
39	MP-7	X	.017	3
40	MP-7	X	.022	7
41	MP-6	X	.051	5.5
42	MP-12	X	.079	7.5
43	MP-11	X	.017	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
44	MP-11	X	.022	7
45	MP-10	X	.051	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.053	.5
2	ST1-V1	X	.013	1
3	ST1-V1	X	.018	1
4	ST1-V1	X	.019	3
5	ST1-V1	X	.017	3
6	MP-3	X	.011	1
7	MP-3	X	.014	5
8	MP-2	X	.031	.5
9	MP-2	X	.015	3
10	MP-2	X	.018	3
11	MP-8	X	.04	.5
12	ST2-V1	X	.017	1
13	ST2-V1	X	.024	1
14	ST2-V1	X	.025	3
15	ST2-V1	X	.027	3
16	MP-7	X	.008	1
17	MP-7	X	.009	5
18	MP-6	X	.02	.5
19	MP-6	X	.018	3
20	MP-6	X	.024	3
21	MP-12	X	.064	.5
22	ST3-V1	X	.013	1
23	ST3-V1	X	.018	1
24	ST3-V1	X	.019	3
25	ST3-V1	X	.017	3
26	MP-11	X	.014	1
27	MP-11	X	.017	5
28	MP-10	X	.04	.5
29	MP-10	X	.015	3
30	MP-10	X	.018	3
31	MP-1	X	.008	1
32	MP-5	X	.008	1
33	MP-9	X	.028	1
34	MP-4	X	.053	7.5
35	MP-3	X	.011	3
36	MP-3	X	.014	7
37	MP-2	X	.031	5.5
38	MP-8	X	.04	7.5
39	MP-7	X	.008	3
40	MP-7	X	.009	7
41	MP-6	X	.02	5.5
42	MP-12	X	.064	7.5
43	MP-11	X	.014	3
44	MP-11	X	.017	7
45	MP-10	X	.04	5.5
46	MP-4	Z	.03	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	ST1-V1	Z	.007	1
48	ST1-V1	Z	.011	1
49	ST1-V1	Z	.011	3
50	ST1-V1	Z	.01	3
51	MP-3	Z	.006	1
52	MP-3	Z	.008	5
53	MP-2	Z	.018	.5
54	MP-2	Z	.009	3
55	MP-2	Z	.011	3
56	MP-8	Z	.023	.5
57	ST2-V1	Z	.01	1
58	ST2-V1	Z	.014	1
59	ST2-V1	Z	.015	3
60	ST2-V1	Z	.015	3
61	MP-7	Z	.005	1
62	MP-7	Z	.005	5
63	MP-6	Z	.012	.5
64	MP-6	Z	.01	3
65	MP-6	Z	.014	3
66	MP-12	Z	.037	.5
67	ST3-V1	Z	.007	1
68	ST3-V1	Z	.011	1
69	ST3-V1	Z	.011	3
70	ST3-V1	Z	.01	3
71	MP-11	Z	.008	1
72	MP-11	Z	.01	5
73	MP-10	Z	.023	.5
74	MP-10	Z	.009	3
75	MP-10	Z	.011	3
76	MP-1	Z	.005	1
77	MP-5	Z	.005	1
78	MP-9	Z	.016	1
79	MP-4	Z	.03	7.5
80	MP-3	Z	.006	3
81	MP-3	Z	.008	7
82	MP-2	Z	.018	5.5
83	MP-8	Z	.023	7.5
84	MP-7	Z	.005	3
85	MP-7	Z	.005	7
86	MP-6	Z	.012	5.5
87	MP-12	Z	.037	7.5
88	MP-11	Z	.008	3
89	MP-11	Z	.01	7
90	MP-10	Z	.023	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.037	.5
2	ST1-V1	X	.012	1
3	ST1-V1	X	.017	1
4	ST1-V1	X	.017	3

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
Checked By: NPD

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	ST1-V1	X	.016	3
6	MP-3	X	.008	1
7	MP-3	X	.009	5
8	MP-2	X	.021	.5
9	MP-2	X	.013	3
10	MP-2	X	.017	3
11	MP-8	X	.035	.5
12	ST2-V1	X	.014	1
13	ST2-V1	X	.019	1
14	ST2-V1	X	.02	3
15	ST2-V1	X	.021	3
16	MP-7	X	.007	1
17	MP-7	X	.009	5
18	MP-6	X	.019	.5
19	MP-6	X	.015	3
20	MP-6	X	.019	3
21	MP-12	X	.055	.5
22	ST3-V1	X	.01	1
23	ST3-V1	X	.014	1
24	ST3-V1	X	.015	3
25	ST3-V1	X	.012	3
26	MP-11	X	.012	1
27	MP-11	X	.015	5
28	MP-10	X	.035	.5
29	MP-10	X	.012	3
30	MP-10	X	.014	3
31	MP-1	X	.007	1
32	MP-5	X	.007	1
33	MP-9	X	.021	1
34	MP-4	X	.037	7.5
35	MP-3	X	.008	3
36	MP-3	X	.009	7
37	MP-2	X	.021	5.5
38	MP-8	X	.035	7.5
39	MP-7	X	.007	3
40	MP-7	X	.009	7
41	MP-6	X	.019	5.5
42	MP-12	X	.055	7.5
43	MP-11	X	.012	3
44	MP-11	X	.015	7
45	MP-10	X	.035	5.5
46	MP-4	Z	.037	.5
47	ST1-V1	Z	.012	1
48	ST1-V1	Z	.017	1
49	ST1-V1	Z	.017	3
50	ST1-V1	Z	.016	3
51	MP-3	Z	.008	1
52	MP-3	Z	.009	5
53	MP-2	Z	.021	.5
54	MP-2	Z	.013	3
55	MP-2	Z	.017	3
56	MP-8	Z	.035	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
57	ST2-V1	Z	.014	1
58	ST2-V1	Z	.019	1
59	ST2-V1	Z	.02	3
60	ST2-V1	Z	.021	3
61	MP-7	Z	.007	1
62	MP-7	Z	.009	5
63	MP-6	Z	.019	.5
64	MP-6	Z	.015	3
65	MP-6	Z	.019	3
66	MP-12	Z	.055	.5
67	ST3-V1	Z	.01	1
68	ST3-V1	Z	.014	1
69	ST3-V1	Z	.015	3
70	ST3-V1	Z	.012	3
71	MP-11	Z	.012	1
72	MP-11	Z	.015	5
73	MP-10	Z	.035	.5
74	MP-10	Z	.012	3
75	MP-10	Z	.014	3
76	MP-1	Z	.007	1
77	MP-5	Z	.007	1
78	MP-9	Z	.021	1
79	MP-4	Z	.037	7.5
80	MP-3	Z	.008	3
81	MP-3	Z	.009	7
82	MP-2	Z	.021	5.5
83	MP-8	Z	.035	7.5
84	MP-7	Z	.007	3
85	MP-7	Z	.009	7
86	MP-6	Z	.019	5.5
87	MP-12	Z	.055	7.5
88	MP-11	Z	.012	3
89	MP-11	Z	.015	7
90	MP-10	Z	.035	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.023	.5
2	ST1-V1	X	.009	1
3	ST1-V1	X	.013	1
4	ST1-V1	X	.013	3
5	ST1-V1	X	.013	3
6	MP-3	X	.005	1
7	MP-3	X	.006	5
8	MP-2	X	.012	.5
9	MP-2	X	.01	3
10	MP-2	X	.013	3
11	MP-8	X	.029	.5
12	ST2-V1	X	.009	1
13	ST2-V1	X	.013	1
14	ST2-V1	X	.013	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	ST2-V1	X	.013	3
16	MP-7	X	.006	1
17	MP-7	X	.007	5
18	MP-6	X	.016	.5
19	MP-6	X	.01	3
20	MP-6	X	.013	3
21	MP-12	X	.039	.5
22	ST3-V1	X	.007	1
23	ST3-V1	X	.01	1
24	ST3-V1	X	.01	3
25	ST3-V1	X	.008	3
26	MP-11	X	.008	1
27	MP-11	X	.011	5
28	MP-10	X	.025	.5
29	MP-10	X	.008	3
30	MP-10	X	.01	3
31	MP-1	X	.005	1
32	MP-5	X	.005	1
33	MP-9	X	.014	1
34	MP-4	X	.023	7.5
35	MP-3	X	.005	3
36	MP-3	X	.006	7
37	MP-2	X	.012	5.5
38	MP-8	X	.029	7.5
39	MP-7	X	.006	3
40	MP-7	X	.007	7
41	MP-6	X	.016	5.5
42	MP-12	X	.039	7.5
43	MP-11	X	.008	3
44	MP-11	X	.011	7
45	MP-10	X	.025	5.5
46	MP-4	Z	.041	.5
47	ST1-V1	Z	.016	1
48	ST1-V1	Z	.022	1
49	ST1-V1	Z	.023	3
50	ST1-V1	Z	.023	3
51	MP-3	Z	.009	1
52	MP-3	Z	.01	5
53	MP-2	Z	.021	.5
54	MP-2	Z	.017	3
55	MP-2	Z	.022	3
56	MP-8	Z	.05	.5
57	ST2-V1	Z	.016	1
58	ST2-V1	Z	.022	1
59	ST2-V1	Z	.023	3
60	ST2-V1	Z	.023	3
61	MP-7	Z	.011	1
62	MP-7	Z	.013	5
63	MP-6	Z	.029	.5
64	MP-6	Z	.017	3
65	MP-6	Z	.022	3
66	MP-12	Z	.068	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
67	ST3-V1	Z	.011	1
68	ST3-V1	Z	.017	1
69	ST3-V1	Z	.017	3
70	ST3-V1	Z	.013	3
71	MP-11	Z	.015	1
72	MP-11	Z	.019	5
73	MP-10	Z	.043	.5
74	MP-10	Z	.014	3
75	MP-10	Z	.017	3
76	MP-1	Z	.008	1
77	MP-5	Z	.008	1
78	MP-9	Z	.024	1
79	MP-4	Z	.041	7.5
80	MP-3	Z	.009	3
81	MP-3	Z	.01	7
82	MP-2	Z	.021	5.5
83	MP-8	Z	.05	7.5
84	MP-7	Z	.011	3
85	MP-7	Z	.013	7
86	MP-6	Z	.029	5.5
87	MP-12	Z	.068	7.5
88	MP-11	Z	.015	3
89	MP-11	Z	.019	7
90	MP-10	Z	.043	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	.045	.5
2	ST1-V1	Z	.013	1
3	ST1-V1	Z	.019	1
4	ST1-V1	Z	.02	3
5	ST1-V1	Z	.015	3
6	MP-3	Z	.009	1
7	MP-3	Z	.011	5
8	MP-2	Z	.023	.5
9	MP-2	Z	.016	3
10	MP-2	Z	.019	3
11	MP-8	Z	.045	.5
12	ST2-V1	Z	.013	1
13	ST2-V1	Z	.019	1
14	ST2-V1	Z	.02	3
15	ST2-V1	Z	.015	3
16	MP-7	Z	.009	1
17	MP-7	Z	.011	5
18	MP-6	Z	.023	.5
19	MP-6	Z	.016	3
20	MP-6	Z	.019	3
21	MP-12	Z	.045	.5
22	ST3-V1	Z	.013	1
23	ST3-V1	Z	.019	1
24	ST3-V1	Z	.02	3

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 31 : 270 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	ST3-V1	Z	.015	3
26	MP-11	Z	.009	1
27	MP-11	Z	.011	5
28	MP-10	Z	.023	.5
29	MP-10	Z	.016	3
30	MP-10	Z	.019	3
31	MP-1	Z	.01	1
32	MP-5	Z	.01	1
33	MP-9	Z	.045	1
34	MP-4	Z	.045	7.5
35	MP-3	Z	.009	3
36	MP-3	Z	.011	7
37	MP-2	Z	.023	5.5
38	MP-8	Z	.045	7.5
39	MP-7	Z	.009	3
40	MP-7	Z	.011	7
41	MP-6	Z	.023	5.5
42	MP-12	Z	.045	7.5
43	MP-11	Z	.009	3
44	MP-11	Z	.011	7
45	MP-10	Z	.023	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.032	.5
2	ST1-V1	X	-.009	1
3	ST1-V1	X	-.013	1
4	ST1-V1	X	-.013	3
5	ST1-V1	X	-.013	3
6	MP-3	X	-.007	1
7	MP-3	X	-.008	5
8	MP-2	X	-.019	.5
9	MP-2	X	-.01	3
10	MP-2	X	-.013	3
11	MP-8	X	-.039	.5
12	ST2-V1	X	-.007	1
13	ST2-V1	X	-.01	1
14	ST2-V1	X	-.01	3
15	ST2-V1	X	-.008	3
16	MP-7	X	-.008	1
17	MP-7	X	-.011	5
18	MP-6	X	-.025	.5
19	MP-6	X	-.008	3
20	MP-6	X	-.01	3
21	MP-12	X	-.025	.5
22	ST3-V1	X	-.009	1
23	ST3-V1	X	-.013	1
24	ST3-V1	X	-.013	3
25	ST3-V1	X	-.013	3
26	MP-11	X	-.005	1
27	MP-11	X	-.006	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP-10	X	-.014	.5
29	MP-10	X	-.01	3
30	MP-10	X	-.013	3
31	MP-1	X	-.005	1
32	MP-5	X	-.005	1
33	MP-9	X	-.02	1
34	MP-4	X	-.032	7.5
35	MP-3	X	-.007	3
36	MP-3	X	-.008	7
37	MP-2	X	-.019	5.5
38	MP-8	X	-.039	7.5
39	MP-7	X	-.008	3
40	MP-7	X	-.011	7
41	MP-6	X	-.025	5.5
42	MP-12	X	-.025	7.5
43	MP-11	X	-.005	3
44	MP-11	X	-.006	7
45	MP-10	X	-.014	5.5
46	MP-4	Z	.055	.5
47	ST1-V1	Z	.016	1
48	ST1-V1	Z	.022	1
49	ST1-V1	Z	.023	3
50	ST1-V1	Z	.023	3
51	MP-3	Z	.012	1
52	MP-3	Z	.014	5
53	MP-2	Z	.033	.5
54	MP-2	Z	.017	3
55	MP-2	Z	.022	3
56	MP-8	Z	.068	.5
57	ST2-V1	Z	.011	1
58	ST2-V1	Z	.017	1
59	ST2-V1	Z	.017	3
60	ST2-V1	Z	.013	3
61	MP-7	Z	.015	1
62	MP-7	Z	.019	5
63	MP-6	Z	.043	.5
64	MP-6	Z	.014	3
65	MP-6	Z	.017	3
66	MP-12	Z	.044	.5
67	ST3-V1	Z	.016	1
68	ST3-V1	Z	.022	1
69	ST3-V1	Z	.023	3
70	ST3-V1	Z	.023	3
71	MP-11	Z	.009	1
72	MP-11	Z	.011	5
73	MP-10	Z	.024	.5
74	MP-10	Z	.017	3
75	MP-10	Z	.022	3
76	MP-1	Z	.008	1
77	MP-5	Z	.008	1
78	MP-9	Z	.035	1
79	MP-4	Z	.055	7.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
80	MP-3	Z	.012	3
81	MP-3	Z	.014	7
82	MP-2	Z	.033	5.5
83	MP-8	Z	.068	7.5
84	MP-7	Z	.015	3
85	MP-7	Z	.019	7
86	MP-6	Z	.043	5.5
87	MP-12	Z	.044	7.5
88	MP-11	Z	.009	3
89	MP-11	Z	.011	7
90	MP-10	Z	.024	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.05	.5
2	ST1-V1	X	-.012	1
3	ST1-V1	X	-.017	1
4	ST1-V1	X	-.017	3
5	ST1-V1	X	-.016	3
6	MP-3	X	-.011	1
7	MP-3	X	-.014	5
8	MP-2	X	-.031	.5
9	MP-2	X	-.013	3
10	MP-2	X	-.017	3
11	MP-8	X	-.052	.5
12	ST2-V1	X	-.01	1
13	ST2-V1	X	-.014	1
14	ST2-V1	X	-.015	3
15	ST2-V1	X	-.012	3
16	MP-7	X	-.011	1
17	MP-7	X	-.014	5
18	MP-6	X	-.033	.5
19	MP-6	X	-.012	3
20	MP-6	X	-.014	3
21	MP-12	X	-.032	.5
22	ST3-V1	X	-.014	1
23	ST3-V1	X	-.019	1
24	ST3-V1	X	-.02	3
25	ST3-V1	X	-.021	3
26	MP-11	X	-.007	1
27	MP-11	X	-.008	5
28	MP-10	X	-.017	.5
29	MP-10	X	-.015	3
30	MP-10	X	-.019	3
31	MP-1	X	-.007	1
32	MP-5	X	-.007	1
33	MP-9	X	-.031	1
34	MP-4	X	-.05	7.5
35	MP-3	X	-.011	3
36	MP-3	X	-.014	7
37	MP-2	X	-.031	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP-8	X	-.052	7.5
39	MP-7	X	-.011	3
40	MP-7	X	-.014	7
41	MP-6	X	-.033	5.5
42	MP-12	X	-.032	7.5
43	MP-11	X	-.007	3
44	MP-11	X	-.008	7
45	MP-10	X	-.017	5.5
46	MP-4	Z	.05	.5
47	ST1-V1	Z	.012	1
48	ST1-V1	Z	.017	1
49	ST1-V1	Z	.017	3
50	ST1-V1	Z	.016	3
51	MP-3	Z	.011	1
52	MP-3	Z	.014	5
53	MP-2	Z	.031	.5
54	MP-2	Z	.013	3
55	MP-2	Z	.017	3
56	MP-8	Z	.052	.5
57	ST2-V1	Z	.01	1
58	ST2-V1	Z	.014	1
59	ST2-V1	Z	.015	3
60	ST2-V1	Z	.012	3
61	MP-7	Z	.011	1
62	MP-7	Z	.014	5
63	MP-6	Z	.033	.5
64	MP-6	Z	.012	3
65	MP-6	Z	.014	3
66	MP-12	Z	.032	.5
67	ST3-V1	Z	.014	1
68	ST3-V1	Z	.019	1
69	ST3-V1	Z	.02	3
70	ST3-V1	Z	.021	3
71	MP-11	Z	.007	1
72	MP-11	Z	.008	5
73	MP-10	Z	.017	.5
74	MP-10	Z	.015	3
75	MP-10	Z	.019	3
76	MP-1	Z	.007	1
77	MP-5	Z	.007	1
78	MP-9	Z	.031	1
79	MP-4	Z	.05	7.5
80	MP-3	Z	.011	3
81	MP-3	Z	.014	7
82	MP-2	Z	.031	5.5
83	MP-8	Z	.052	7.5
84	MP-7	Z	.011	3
85	MP-7	Z	.014	7
86	MP-6	Z	.033	5.5
87	MP-12	Z	.032	7.5
88	MP-11	Z	.007	3
89	MP-11	Z	.008	7

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 33 : 315 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
90	MP-10	Z	.017	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.067	.5
2	ST1-V1	X	-.013	1
3	ST1-V1	X	-.018	1
4	ST1-V1	X	-.019	3
5	ST1-V1	X	-.017	3
6	MP-3	X	-.014	1
7	MP-3	X	-.018	5
8	MP-2	X	-.043	.5
9	MP-2	X	-.015	3
10	MP-2	X	-.018	3
11	MP-8	X	-.058	.5
12	ST2-V1	X	-.013	1
13	ST2-V1	X	-.018	1
14	ST2-V1	X	-.019	3
15	ST2-V1	X	-.017	3
16	MP-7	X	-.012	1
17	MP-7	X	-.015	5
18	MP-6	X	-.035	.5
19	MP-6	X	-.015	3
20	MP-6	X	-.018	3
21	MP-12	X	-.04	.5
22	ST3-V1	X	-.017	1
23	ST3-V1	X	-.024	1
24	ST3-V1	X	-.025	3
25	ST3-V1	X	-.027	3
26	MP-11	X	-.008	1
27	MP-11	X	-.009	5
28	MP-10	X	-.02	.5
29	MP-10	X	-.018	3
30	MP-10	X	-.024	3
31	MP-1	X	-.008	1
32	MP-5	X	-.008	1
33	MP-9	X	-.039	1
34	MP-4	X	-.067	7.5
35	MP-3	X	-.014	3
36	MP-3	X	-.018	7
37	MP-2	X	-.043	5.5
38	MP-8	X	-.058	7.5
39	MP-7	X	-.012	3
40	MP-7	X	-.015	7
41	MP-6	X	-.035	5.5
42	MP-12	X	-.04	7.5
43	MP-11	X	-.008	3
44	MP-11	X	-.009	7
45	MP-10	X	-.02	5.5
46	MP-4	Z	.038	.5
47	ST1-V1	Z	.007	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
48	ST1-V1	Z	.011	1
49	ST1-V1	Z	.011	3
50	ST1-V1	Z	.01	3
51	MP-3	Z	.008	1
52	MP-3	Z	.011	5
53	MP-2	Z	.025	.5
54	MP-2	Z	.009	3
55	MP-2	Z	.011	3
56	MP-8	Z	.033	.5
57	ST2-V1	Z	.007	1
58	ST2-V1	Z	.011	1
59	ST2-V1	Z	.011	3
60	ST2-V1	Z	.01	3
61	MP-7	Z	.007	1
62	MP-7	Z	.009	5
63	MP-6	Z	.02	.5
64	MP-6	Z	.009	3
65	MP-6	Z	.011	3
66	MP-12	Z	.023	.5
67	ST3-V1	Z	.01	1
68	ST3-V1	Z	.014	1
69	ST3-V1	Z	.015	3
70	ST3-V1	Z	.015	3
71	MP-11	Z	.005	1
72	MP-11	Z	.005	5
73	MP-10	Z	.012	.5
74	MP-10	Z	.01	3
75	MP-10	Z	.014	3
76	MP-1	Z	.005	1
77	MP-5	Z	.005	1
78	MP-9	Z	.022	1
79	MP-4	Z	.038	7.5
80	MP-3	Z	.008	3
81	MP-3	Z	.011	7
82	MP-2	Z	.025	5.5
83	MP-8	Z	.033	7.5
84	MP-7	Z	.007	3
85	MP-7	Z	.009	7
86	MP-6	Z	.02	5.5
87	MP-12	Z	.023	7.5
88	MP-11	Z	.005	3
89	MP-11	Z	.005	7
90	MP-10	Z	.012	5.5

Member Point Loads (BLC 37 : Seismic Load X)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.075	.5
2	ST1-V1	X	-.06	1
3	ST1-V1	X	-.053	1
4	ST1-V1	X	-.055	3
5	ST1-V1	X	-.053	3

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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Member Point Loads (BLC 37 : Seismic Load X) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP-3	X	-.041	1
7	MP-3	X	-.033	5
8	MP-2	X	-.045	.5
9	MP-2	X	-.071	3
10	MP-2	X	-.053	3
11	MP-8	X	-.075	.5
12	ST2-V1	X	-.06	1
13	ST2-V1	X	-.053	1
14	ST2-V1	X	-.055	3
15	ST2-V1	X	-.053	3
16	MP-7	X	-.041	1
17	MP-7	X	-.033	5
18	MP-6	X	-.045	.5
19	MP-6	X	-.071	3
20	MP-6	X	-.053	3
21	MP-12	X	-.075	.5
22	ST3-V1	X	-.06	1
23	ST3-V1	X	-.053	1
24	ST3-V1	X	-.055	3
25	ST3-V1	X	-.053	3
26	MP-11	X	-.041	1
27	MP-11	X	-.033	5
28	MP-10	X	-.045	.5
29	MP-10	X	-.071	3
30	MP-10	X	-.053	3
31	MP-1	X	-.019	1
32	MP-5	X	-.019	1
33	MP-9	X	-.026	1
34	MP-4	X	-.075	7.5
35	MP-3	X	-.041	3
36	MP-3	X	-.033	7
37	MP-2	X	-.045	5.5
38	MP-8	X	-.075	7.5
39	MP-7	X	-.041	3
40	MP-7	X	-.033	7
41	MP-6	X	-.045	5.5
42	MP-12	X	-.075	7.5
43	MP-11	X	-.041	3
44	MP-11	X	-.033	7
45	MP-10	X	-.045	5.5

Member Point Loads (BLC 38 : Seismic Load Z)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	-.075	.5
2	ST1-V1	Z	-.06	1
3	ST1-V1	Z	-.053	1
4	ST1-V1	Z	-.055	3
5	ST1-V1	Z	-.053	3
6	MP-3	Z	-.041	1
7	MP-3	Z	-.033	5
8	MP-2	Z	-.045	.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
9	MP-2	Z	-.071	3
10	MP-2	Z	-.053	3
11	MP-8	Z	-.075	.5
12	ST2-V1	Z	-.06	1
13	ST2-V1	Z	-.053	1
14	ST2-V1	Z	-.055	3
15	ST2-V1	Z	-.053	3
16	MP-7	Z	-.041	1
17	MP-7	Z	-.033	5
18	MP-6	Z	-.045	.5
19	MP-6	Z	-.071	3
20	MP-6	Z	-.053	3
21	MP-12	Z	-.075	.5
22	ST3-V1	Z	-.06	1
23	ST3-V1	Z	-.053	1
24	ST3-V1	Z	-.055	3
25	ST3-V1	Z	-.053	3
26	MP-11	Z	-.041	1
27	MP-11	Z	-.033	5
28	MP-10	Z	-.045	.5
29	MP-10	Z	-.071	3
30	MP-10	Z	-.053	3
31	MP-1	Z	-.019	1
32	MP-5	Z	-.019	1
33	MP-9	Z	-.026	1
34	MP-4	Z	-.075	7.5
35	MP-3	Z	-.041	3
36	MP-3	Z	-.033	7
37	MP-2	Z	-.045	5.5
38	MP-8	Z	-.075	7.5
39	MP-7	Z	-.041	3
40	MP-7	Z	-.033	7
41	MP-6	Z	-.045	5.5
42	MP-12	Z	-.075	7.5
43	MP-11	Z	-.041	3
44	MP-11	Z	-.033	7
45	MP-10	Z	-.045	5.5

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	EC-1	X	-.01	-.01	0	%100
2	EC-2	X	-.019	-.019	0	%100
3	EC-3	X	-.01	-.01	0	%100
4	FFTH-1	X	-.019	-.019	0	%100
5	FFTH-2	X	-.01	-.01	0	%100
6	FFTH-3	X	-.01	-.01	0	%100
7	GS-1	X	-.012	-.012	0	%100
8	GS-2	X	-.012	-.012	0	%100
9	GS-3	X	-.012	-.012	0	%100
10	GS-4	X	-.01	-.01	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
11	GS-5	X	-.005	-.005	0	%100
12	GS-6	X	-.005	-.005	0	%100
13	GS-7	X	-.005	-.005	0	%100
14	GS-8	X	-.004	-.004	0	%100
15	GS-9	X	-.005	-.005	0	%100
16	GS-10	X	-.005	-.005	0	%100
17	GS-11	X	-.005	-.005	0	%100
18	GS-12	X	-.004	-.004	0	%100
19	GSI-1	X	-.004	-.004	0	%100
20	GSI-1A	X	-.004	-.004	0	%100
21	GSI-2	X	-.005	-.005	0	%100
22	GSI-2A	X	-.005	-.005	0	%100
23	GSI-3	X	-.004	-.004	0	%100
24	GSI-4	X	-.01	-.01	0	%100
25	GSI-4A	X	-.008	-.008	0	%100
26	GSI-5	X	-.013	-.013	0	%100
27	GSI-5A	X	-.013	-.013	0	%100
28	GSI-6	X	-.01	-.01	0	%100
29	GSI-7	X	-.004	-.004	0	%100
30	GSI-7A	X	-.004	-.004	0	%100
31	GSI-8	X	-.005	-.005	0	%100
32	GSI-8A	X	-.005	-.005	0	%100
33	GSI-9	X	-.004	-.004	0	%100
34	INT-1	X	-.004	-.004	0	%100
35	INT-2	X	-.004	-.004	0	%100
36	INT-3	X	-.005	-.005	0	%100
37	INT-4	X	-.011	-.011	0	%100
38	INT-5	X	-.01	-.01	0	%100
39	INT-6	X	-.004	-.004	0	%100
40	INT-7	X	-.005	-.005	0	%100
41	INT-8	X	-.005	-.005	0	%100
42	INT-9	X	-.004	-.004	0	%100
43	INT-10	X	-.01	-.01	0	%100
44	INT-11	X	-.011	-.011	0	%100
45	INT-12	X	-.005	-.005	0	%100
46	MP-1	X	-.009	-.009	0	%100
47	MP-2	X	-.009	-.009	0	%100
48	MP-3	X	-.009	-.009	0	%100
49	MP-4	X	-.009	-.009	0	%100
50	MP-5	X	-.009	-.009	0	%100
51	MP-6	X	-.009	-.009	0	%100
52	MP-7	X	-.009	-.009	0	%100
53	MP-8	X	-.009	-.009	0	%100
54	MP-9	X	-.009	-.009	0	%100
55	MP-10	X	-.009	-.009	0	%100
56	MP-11	X	-.009	-.009	0	%100
57	MP-12	X	-.009	-.009	0	%100
58	ST1-V1	X	-.009	-.009	0	%100
59	ST1-V2	X	-.009	-.009	0	%100
60	ST2-V1	X	-.009	-.009	0	%100
61	ST2-V2	X	-.009	-.009	0	%100
62	ST3-V1	X	-.009	-.009	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	ST3-V2	X	-.009	-.009	0	%100
64	STAB-1B	X	-.006	-.006	0	%100
65	STAB-1U	X	-.006	-.006	0	%100
66	STAB-2B	X	-.000931	-.000931	0	%100
67	STAB-2U	X	-.000931	-.000931	0	%100
68	STAB-3B	X	-.008	-.008	0	%100
69	STAB-3U	X	-.008	-.008	0	%100
70	ST1-H1	X	0	0	0	%100
71	ST1-H2	X	0	0	0	%100
72	ST2-H1	X	-.005	-.005	0	%100
73	ST2-H2	X	-.005	-.005	0	%100
74	ST3-H1	X	-.005	-.005	0	%100
75	ST3-H2	X	-.005	-.005	0	%100
76	M147A	X	-.003	-.003	0	%100
77	M167	X	-.003	-.003	0	%100
78	ST1-D1	X	-.003	-.003	0	%100
79	SA-1	X	-.007	-.007	0	%100
80	SA-2	X	-.007	-.007	0	%100
81	SA-3	X	-.014	-.014	0	%100
82	SA-4	X	-.007	-.007	0	%100
83	SA-5	X	-.007	-.007	0	%100
84	SA-6	X	-.014	-.014	0	%100
85	SA-1B	X	-.008	-.008	0	%100
86	SA-2B	X	-.008	-.008	0	%100
87	SA-3B	X	-.019	-.019	0	%100
88	SA-4B	X	-.008	-.008	0	%100
89	SA-5B	X	-.008	-.008	0	%100
90	SA-6B	X	-.019	-.019	0	%100
91	SR-1	X	-.009	-.009	0	%100
92	SR-2	X	-.005	-.005	0	%100
93	SR-3	X	-.005	-.005	0	%100
94	SRC-1	X	-.005	-.005	0	%100
95	SRC-2	X	-.011	-.011	0	%100
96	SRC-3	X	-.005	-.005	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	EC-1	X	-.014	-.014	0	%100
2	EC-2	X	-.014	-.014	0	%100
3	EC-3	X	0	0	0	%100
4	FFTH-1	X	-.014	-.014	0	%100
5	FFTH-2	X	0	0	0	%100
6	FFTH-3	X	-.014	-.014	0	%100
7	GS-1	X	-.009	-.009	0	%100
8	GS-2	X	-.009	-.009	0	%100
9	GS-3	X	-.009	-.009	0	%100
10	GS-4	X	-.007	-.007	0	%100
11	GS-5	X	0	0	0	%100
12	GS-6	X	0	0	0	%100
13	GS-7	X	0	0	0	%100
14	GS-8	X	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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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,%]
15	GS-9	X	-.007	-.007	0	%100
16	GS-10	X	-.007	-.007	0	%100
17	GS-11	X	-.007	-.007	0	%100
18	GS-12	X	-.006	-.006	0	%100
19	GSI-1	X	-.007	-.007	0	%100
20	GSI-1A	X	-.006	-.006	0	%100
21	GSI-2	X	-.008	-.008	0	%100
22	GSI-2A	X	-.008	-.008	0	%100
23	GSI-3	X	-.006	-.006	0	%100
24	GSI-4	X	-.008	-.008	0	%100
25	GSI-4A	X	-.006	-.006	0	%100
26	GSI-5	X	-.009	-.009	0	%100
27	GSI-5A	X	-.01	-.01	0	%100
28	GSI-6	X	-.007	-.007	0	%100
29	GSI-7	X	0	0	0	%100
30	GSI-7A	X	0	0	0	%100
31	GSI-8	X	0	0	0	%100
32	GSI-8A	X	0	0	0	%100
33	GSI-9	X	0	0	0	%100
34	INT-1	X	-.006	-.006	0	%100
35	INT-2	X	0	0	0	%100
36	INT-3	X	0	0	0	%100
37	INT-4	X	-.008	-.008	0	%100
38	INT-5	X	-.007	-.007	0	%100
39	INT-6	X	-.006	-.006	0	%100
40	INT-7	X	-.007	-.007	0	%100
41	INT-8	X	0	0	0	%100
42	INT-9	X	0	0	0	%100
43	INT-10	X	-.007	-.007	0	%100
44	INT-11	X	-.008	-.008	0	%100
45	INT-12	X	-.007	-.007	0	%100
46	MP-1	X	-.008	-.008	0	%100
47	MP-2	X	-.008	-.008	0	%100
48	MP-3	X	-.008	-.008	0	%100
49	MP-4	X	-.008	-.008	0	%100
50	MP-5	X	-.008	-.008	0	%100
51	MP-6	X	-.008	-.008	0	%100
52	MP-7	X	-.008	-.008	0	%100
53	MP-8	X	-.008	-.008	0	%100
54	MP-9	X	-.008	-.008	0	%100
55	MP-10	X	-.008	-.008	0	%100
56	MP-11	X	-.008	-.008	0	%100
57	MP-12	X	-.008	-.008	0	%100
58	ST1-V1	X	-.008	-.008	0	%100
59	ST1-V2	X	-.008	-.008	0	%100
60	ST2-V1	X	-.008	-.008	0	%100
61	ST2-V2	X	-.008	-.008	0	%100
62	ST3-V1	X	-.008	-.008	0	%100
63	ST3-V2	X	-.008	-.008	0	%100
64	STAB-1B	X	-.002	-.002	0	%100
65	STAB-1U	X	-.002	-.002	0	%100
66	STAB-2B	X	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	STAB-2U	X	-.003	-.003	0	%100
68	STAB-3B	X	-.007	-.007	0	%100
69	STAB-3U	X	-.007	-.007	0	%100
70	ST1-H1	X	-.002	-.002	0	%100
71	ST1-H2	X	-.002	-.002	0	%100
72	ST2-H1	X	-.005	-.005	0	%100
73	ST2-H2	X	-.005	-.005	0	%100
74	ST3-H1	X	-.003	-.003	0	%100
75	ST3-H2	X	-.003	-.003	0	%100
76	M147A	X	-.003	-.003	0	%100
77	M167	X	-.003	-.003	0	%100
78	ST1-D1	X	-.003	-.003	0	%100
79	SA-1	X	-.01	-.01	0	%100
80	SA-2	X	0	0	0	%100
81	SA-3	X	-.01	-.01	0	%100
82	SA-4	X	-.01	-.01	0	%100
83	SA-5	X	0	0	0	%100
84	SA-6	X	-.01	-.01	0	%100
85	SA-1B	X	-.012	-.012	0	%100
86	SA-2B	X	0	0	0	%100
87	SA-3B	X	-.014	-.014	0	%100
88	SA-4B	X	-.012	-.012	0	%100
89	SA-5B	X	0	0	0	%100
90	SA-6B	X	-.014	-.014	0	%100
91	SR-1	X	-.007	-.007	0	%100
92	SR-2	X	0	0	0	%100
93	SR-3	X	-.007	-.007	0	%100
94	SRC-1	X	-.007	-.007	0	%100
95	SRC-2	X	-.008	-.008	0	%100
96	SRC-3	X	0	0	0	%100
97	EC-1	Z	-.008	-.008	0	%100
98	EC-2	Z	-.008	-.008	0	%100
99	EC-3	Z	0	0	0	%100
100	FFTH-1	Z	-.008	-.008	0	%100
101	FFTH-2	Z	0	0	0	%100
102	FFTH-3	Z	-.008	-.008	0	%100
103	GS-1	Z	-.005	-.005	0	%100
104	GS-2	Z	-.005	-.005	0	%100
105	GS-3	Z	-.005	-.005	0	%100
106	GS-4	Z	-.004	-.004	0	%100
107	GS-5	Z	0	0	0	%100
108	GS-6	Z	0	0	0	%100
109	GS-7	Z	0	0	0	%100
110	GS-8	Z	0	0	0	%100
111	GS-9	Z	-.005	-.005	0	%100
112	GS-10	Z	-.005	-.005	0	%100
113	GS-11	Z	-.005	-.005	0	%100
114	GS-12	Z	-.004	-.004	0	%100
115	GSI-1	Z	-.004	-.004	0	%100
116	GSI-1A	Z	-.003	-.003	0	%100
117	GSI-2	Z	-.005	-.005	0	%100
118	GSI-2A	Z	-.005	-.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
119	GSI-3	Z	-.004	-.004	0	%100
120	GSI-4	Z	-.004	-.004	0	%100
121	GSI-4A	Z	-.003	-.003	0	%100
122	GSI-5	Z	-.005	-.005	0	%100
123	GSI-5A	Z	-.006	-.006	0	%100
124	GSI-6	Z	-.004	-.004	0	%100
125	GSI-7	Z	0	0	0	%100
126	GSI-7A	Z	0	0	0	%100
127	GSI-8	Z	0	0	0	%100
128	GSI-8A	Z	0	0	0	%100
129	GSI-9	Z	0	0	0	%100
130	INT-1	Z	-.004	-.004	0	%100
131	INT-2	Z	0	0	0	%100
132	INT-3	Z	0	0	0	%100
133	INT-4	Z	-.005	-.005	0	%100
134	INT-5	Z	-.004	-.004	0	%100
135	INT-6	Z	-.004	-.004	0	%100
136	INT-7	Z	-.004	-.004	0	%100
137	INT-8	Z	0	0	0	%100
138	INT-9	Z	0	0	0	%100
139	INT-10	Z	-.004	-.004	0	%100
140	INT-11	Z	-.005	-.005	0	%100
141	INT-12	Z	-.004	-.004	0	%100
142	MP-1	Z	-.005	-.005	0	%100
143	MP-2	Z	-.005	-.005	0	%100
144	MP-3	Z	-.005	-.005	0	%100
145	MP-4	Z	-.005	-.005	0	%100
146	MP-5	Z	-.005	-.005	0	%100
147	MP-6	Z	-.005	-.005	0	%100
148	MP-7	Z	-.005	-.005	0	%100
149	MP-8	Z	-.005	-.005	0	%100
150	MP-9	Z	-.005	-.005	0	%100
151	MP-10	Z	-.005	-.005	0	%100
152	MP-11	Z	-.005	-.005	0	%100
153	MP-12	Z	-.005	-.005	0	%100
154	ST1-V1	Z	-.005	-.005	0	%100
155	ST1-V2	Z	-.005	-.005	0	%100
156	ST2-V1	Z	-.005	-.005	0	%100
157	ST2-V2	Z	-.005	-.005	0	%100
158	ST3-V1	Z	-.005	-.005	0	%100
159	ST3-V2	Z	-.005	-.005	0	%100
160	STAB-1B	Z	-.001	-.001	0	%100
161	STAB-1U	Z	-.001	-.001	0	%100
162	STAB-2B	Z	-.003	-.003	0	%100
163	STAB-2U	Z	-.003	-.003	0	%100
164	STAB-3B	Z	-.003	-.003	0	%100
165	STAB-3U	Z	-.003	-.003	0	%100
166	ST1-H1	Z	-.002	-.002	0	%100
167	ST1-H2	Z	-.002	-.002	0	%100
168	ST2-H1	Z	-.003	-.003	0	%100
169	ST2-H2	Z	-.003	-.003	0	%100
170	ST3-H1	Z	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
171	ST3-H2	Z	-.001	-.001	0	%100
172	M147A	Z	-.001	-.001	0	%100
173	M167	Z	-.001	-.001	0	%100
174	ST1-D1	Z	-.001	-.001	0	%100
175	SA-1	Z	-.006	-.006	0	%100
176	SA-2	Z	0	0	0	%100
177	SA-3	Z	-.006	-.006	0	%100
178	SA-4	Z	-.006	-.006	0	%100
179	SA-5	Z	0	0	0	%100
180	SA-6	Z	-.006	-.006	0	%100
181	SA-1B	Z	-.008	-.008	0	%100
182	SA-2B	Z	0	0	0	%100
183	SA-3B	Z	-.008	-.008	0	%100
184	SA-4B	Z	-.008	-.008	0	%100
185	SA-5B	Z	0	0	0	%100
186	SA-6B	Z	-.008	-.008	0	%100
187	SR-1	Z	-.004	-.004	0	%100
188	SR-2	Z	0	0	0	%100
189	SR-3	Z	-.004	-.004	0	%100
190	SRC-1	Z	-.005	-.005	0	%100
191	SRC-2	Z	-.005	-.005	0	%100
192	SRC-3	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	EC-1	X	-.013	-.013	0	%100
2	EC-2	X	-.01	-.01	0	%100
3	EC-3	X	-.004	-.004	0	%100
4	FFTH-1	X	-.01	-.01	0	%100
5	FFTH-2	X	-.004	-.004	0	%100
6	FFTH-3	X	-.013	-.013	0	%100
7	GS-1	X	-.006	-.006	0	%100
8	GS-2	X	-.006	-.006	0	%100
9	GS-3	X	-.006	-.006	0	%100
10	GS-4	X	-.005	-.005	0	%100
11	GS-5	X	-.002	-.002	0	%100
12	GS-6	X	-.002	-.002	0	%100
13	GS-7	X	-.002	-.002	0	%100
14	GS-8	X	-.002	-.002	0	%100
15	GS-9	X	-.007	-.007	0	%100
16	GS-10	X	-.007	-.007	0	%100
17	GS-11	X	-.007	-.007	0	%100
18	GS-12	X	-.006	-.006	0	%100
19	GSI-1	X	-.006	-.006	0	%100
20	GSI-1A	X	-.005	-.005	0	%100
21	GSI-2	X	-.007	-.007	0	%100
22	GSI-2A	X	-.007	-.007	0	%100
23	GSI-3	X	-.006	-.006	0	%100
24	GSI-4	X	-.005	-.005	0	%100
25	GSI-4A	X	-.004	-.004	0	%100
26	GSI-5	X	-.006	-.006	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
27	GSI-5A	X	-.006	-.006	0	%100
28	GSI-6	X	-.005	-.005	0	%100
29	GSI-7	X	-.002	-.002	0	%100
30	GSI-7A	X	-.001	-.001	0	%100
31	GSI-8	X	-.002	-.002	0	%100
32	GSI-8A	X	-.002	-.002	0	%100
33	GSI-9	X	-.002	-.002	0	%100
34	INT-1	X	-.006	-.006	0	%100
35	INT-2	X	-.002	-.002	0	%100
36	INT-3	X	-.002	-.002	0	%100
37	INT-4	X	-.005	-.005	0	%100
38	INT-5	X	-.005	-.005	0	%100
39	INT-6	X	-.006	-.006	0	%100
40	INT-7	X	-.006	-.006	0	%100
41	INT-8	X	-.002	-.002	0	%100
42	INT-9	X	-.002	-.002	0	%100
43	INT-10	X	-.005	-.005	0	%100
44	INT-11	X	-.005	-.005	0	%100
45	INT-12	X	-.006	-.006	0	%100
46	MP-1	X	-.006	-.006	0	%100
47	MP-2	X	-.006	-.006	0	%100
48	MP-3	X	-.006	-.006	0	%100
49	MP-4	X	-.006	-.006	0	%100
50	MP-5	X	-.006	-.006	0	%100
51	MP-6	X	-.006	-.006	0	%100
52	MP-7	X	-.006	-.006	0	%100
53	MP-8	X	-.006	-.006	0	%100
54	MP-9	X	-.006	-.006	0	%100
55	MP-10	X	-.006	-.006	0	%100
56	MP-11	X	-.006	-.006	0	%100
57	MP-12	X	-.006	-.006	0	%100
58	ST1-V1	X	-.006	-.006	0	%100
59	ST1-V2	X	-.006	-.006	0	%100
60	ST2-V1	X	-.006	-.006	0	%100
61	ST2-V2	X	-.006	-.006	0	%100
62	ST3-V1	X	-.006	-.006	0	%100
63	ST3-V2	X	-.006	-.006	0	%100
64	STAB-1B	X	-.000491	-.000491	0	%100
65	STAB-1U	X	-.000491	-.000491	0	%100
66	STAB-2B	X	-.003	-.003	0	%100
67	STAB-2U	X	-.003	-.003	0	%100
68	STAB-3B	X	-.005	-.005	0	%100
69	STAB-3U	X	-.005	-.005	0	%100
70	ST1-H1	X	-.003	-.003	0	%100
71	ST1-H2	X	-.003	-.003	0	%100
72	ST2-H1	X	-.004	-.004	0	%100
73	ST2-H2	X	-.004	-.004	0	%100
74	ST3-H1	X	-.001	-.001	0	%100
75	ST3-H2	X	-.001	-.001	0	%100
76	M147A	X	-.002	-.002	0	%100
77	M167	X	-.002	-.002	0	%100
78	ST1-D1	X	-.002	-.002	0	%100

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,%]
79	SA-1	X	-.009	-.009	0	%100
80	SA-2	X	-.002	-.002	0	%100
81	SA-3	X	-.007	-.007	0	%100
82	SA-4	X	-.009	-.009	0	%100
83	SA-5	X	-.002	-.002	0	%100
84	SA-6	X	-.007	-.007	0	%100
85	SA-1B	X	-.011	-.011	0	%100
86	SA-2B	X	-.003	-.003	0	%100
87	SA-3B	X	-.009	-.009	0	%100
88	SA-4B	X	-.011	-.011	0	%100
89	SA-5B	X	-.003	-.003	0	%100
90	SA-6B	X	-.009	-.009	0	%100
91	SR-1	X	-.005	-.005	0	%100
92	SR-2	X	-.002	-.002	0	%100
93	SR-3	X	-.006	-.006	0	%100
94	SRC-1	X	-.007	-.007	0	%100
95	SRC-2	X	-.005	-.005	0	%100
96	SRC-3	X	-.002	-.002	0	%100
97	EC-1	Z	-.013	-.013	0	%100
98	EC-2	Z	-.01	-.01	0	%100
99	EC-3	Z	-.004	-.004	0	%100
100	FFTH-1	Z	-.01	-.01	0	%100
101	FFTH-2	Z	-.004	-.004	0	%100
102	FFTH-3	Z	-.013	-.013	0	%100
103	GS-1	Z	-.006	-.006	0	%100
104	GS-2	Z	-.006	-.006	0	%100
105	GS-3	Z	-.006	-.006	0	%100
106	GS-4	Z	-.005	-.005	0	%100
107	GS-5	Z	-.002	-.002	0	%100
108	GS-6	Z	-.002	-.002	0	%100
109	GS-7	Z	-.002	-.002	0	%100
110	GS-8	Z	-.002	-.002	0	%100
111	GS-9	Z	-.008	-.008	0	%100
112	GS-10	Z	-.008	-.008	0	%100
113	GS-11	Z	-.008	-.008	0	%100
114	GS-12	Z	-.007	-.007	0	%100
115	GSI-1	Z	-.007	-.007	0	%100
116	GSI-1A	Z	-.005	-.005	0	%100
117	GSI-2	Z	-.008	-.008	0	%100
118	GSI-2A	Z	-.008	-.008	0	%100
119	GSI-3	Z	-.007	-.007	0	%100
120	GSI-4	Z	-.005	-.005	0	%100
121	GSI-4A	Z	-.004	-.004	0	%100
122	GSI-5	Z	-.006	-.006	0	%100
123	GSI-5A	Z	-.006	-.006	0	%100
124	GSI-6	Z	-.005	-.005	0	%100
125	GSI-7	Z	-.002	-.002	0	%100
126	GSI-7A	Z	-.001	-.001	0	%100
127	GSI-8	Z	-.002	-.002	0	%100
128	GSI-8A	Z	-.002	-.002	0	%100
129	GSI-9	Z	-.002	-.002	0	%100
130	INT-1	Z	-.007	-.007	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
131	INT-2	Z	-.002	-.002	0	%100
132	INT-3	Z	-.002	-.002	0	%100
133	INT-4	Z	-.005	-.005	0	%100
134	INT-5	Z	-.005	-.005	0	%100
135	INT-6	Z	-.007	-.007	0	%100
136	INT-7	Z	-.007	-.007	0	%100
137	INT-8	Z	-.002	-.002	0	%100
138	INT-9	Z	-.002	-.002	0	%100
139	INT-10	Z	-.005	-.005	0	%100
140	INT-11	Z	-.005	-.005	0	%100
141	INT-12	Z	-.007	-.007	0	%100
142	MP-1	Z	-.006	-.006	0	%100
143	MP-2	Z	-.006	-.006	0	%100
144	MP-3	Z	-.006	-.006	0	%100
145	MP-4	Z	-.006	-.006	0	%100
146	MP-5	Z	-.006	-.006	0	%100
147	MP-6	Z	-.006	-.006	0	%100
148	MP-7	Z	-.006	-.006	0	%100
149	MP-8	Z	-.006	-.006	0	%100
150	MP-9	Z	-.006	-.006	0	%100
151	MP-10	Z	-.006	-.006	0	%100
152	MP-11	Z	-.006	-.006	0	%100
153	MP-12	Z	-.006	-.006	0	%100
154	ST1-V1	Z	-.006	-.006	0	%100
155	ST1-V2	Z	-.006	-.006	0	%100
156	ST2-V1	Z	-.006	-.006	0	%100
157	ST2-V2	Z	-.006	-.006	0	%100
158	ST3-V1	Z	-.006	-.006	0	%100
159	ST3-V2	Z	-.006	-.006	0	%100
160	STAB-1B	Z	-.000462	-.000462	0	%100
161	STAB-1U	Z	-.000462	-.000462	0	%100
162	STAB-2B	Z	-.005	-.005	0	%100
163	STAB-2U	Z	-.005	-.005	0	%100
164	STAB-3B	Z	-.004	-.004	0	%100
165	STAB-3U	Z	-.004	-.004	0	%100
166	ST1-H1	Z	-.003	-.003	0	%100
167	ST1-H2	Z	-.003	-.003	0	%100
168	ST2-H1	Z	-.004	-.004	0	%100
169	ST2-H2	Z	-.004	-.004	0	%100
170	ST3-H1	Z	-.001	-.001	0	%100
171	ST3-H2	Z	-.001	-.001	0	%100
172	M147A	Z	-.002	-.002	0	%100
173	M167	Z	-.002	-.002	0	%100
174	ST1-D1	Z	-.002	-.002	0	%100
175	SA-1	Z	-.009	-.009	0	%100
176	SA-2	Z	-.002	-.002	0	%100
177	SA-3	Z	-.007	-.007	0	%100
178	SA-4	Z	-.009	-.009	0	%100
179	SA-5	Z	-.002	-.002	0	%100
180	SA-6	Z	-.007	-.007	0	%100
181	SA-1B	Z	-.012	-.012	0	%100
182	SA-2B	Z	-.003	-.003	0	%100

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,%]
183	SA-3B	Z	-.009	-.009	0	%100
184	SA-4B	Z	-.012	-.012	0	%100
185	SA-5B	Z	-.003	-.003	0	%100
186	SA-6B	Z	-.009	-.009	0	%100
187	SR-1	Z	-.005	-.005	0	%100
188	SR-2	Z	-.002	-.002	0	%100
189	SR-3	Z	-.006	-.006	0	%100
190	SRC-1	Z	-.007	-.007	0	%100
191	SRC-2	Z	-.005	-.005	0	%100
192	SRC-3	Z	-.002	-.002	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	EC-1	X	-.01	-.01	0	%100
2	EC-2	X	-.005	-.005	0	%100
3	EC-3	X	-.005	-.005	0	%100
4	FFTH-1	X	-.005	-.005	0	%100
5	FFTH-2	X	-.005	-.005	0	%100
6	FFTH-3	X	-.01	-.01	0	%100
7	GS-1	X	-.003	-.003	0	%100
8	GS-2	X	-.003	-.003	0	%100
9	GS-3	X	-.003	-.003	0	%100
10	GS-4	X	-.002	-.002	0	%100
11	GS-5	X	-.002	-.002	0	%100
12	GS-6	X	-.002	-.002	0	%100
13	GS-7	X	-.002	-.002	0	%100
14	GS-8	X	-.002	-.002	0	%100
15	GS-9	X	-.005	-.005	0	%100
16	GS-10	X	-.005	-.005	0	%100
17	GS-11	X	-.005	-.005	0	%100
18	GS-12	X	-.004	-.004	0	%100
19	GSI-1	X	-.004	-.004	0	%100
20	GSI-1A	X	-.004	-.004	0	%100
21	GSI-2	X	-.005	-.005	0	%100
22	GSI-2A	X	-.005	-.005	0	%100
23	GSI-3	X	-.004	-.004	0	%100
24	GSI-4	X	-.003	-.003	0	%100
25	GSI-4A	X	-.002	-.002	0	%100
26	GSI-5	X	-.003	-.003	0	%100
27	GSI-5A	X	-.003	-.003	0	%100
28	GSI-6	X	-.002	-.002	0	%100
29	GSI-7	X	-.002	-.002	0	%100
30	GSI-7A	X	-.002	-.002	0	%100
31	GSI-8	X	-.003	-.003	0	%100
32	GSI-8A	X	-.003	-.003	0	%100
33	GSI-9	X	-.002	-.002	0	%100
34	INT-1	X	-.004	-.004	0	%100
35	INT-2	X	-.002	-.002	0	%100
36	INT-3	X	-.002	-.002	0	%100
37	INT-4	X	-.003	-.003	0	%100
38	INT-5	X	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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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,%]
39	INT-6	X	-.004	-.004	0	%100
40	INT-7	X	-.005	-.005	0	%100
41	INT-8	X	-.002	-.002	0	%100
42	INT-9	X	-.002	-.002	0	%100
43	INT-10	X	-.002	-.002	0	%100
44	INT-11	X	-.003	-.003	0	%100
45	INT-12	X	-.005	-.005	0	%100
46	MP-1	X	-.005	-.005	0	%100
47	MP-2	X	-.005	-.005	0	%100
48	MP-3	X	-.005	-.005	0	%100
49	MP-4	X	-.005	-.005	0	%100
50	MP-5	X	-.005	-.005	0	%100
51	MP-6	X	-.005	-.005	0	%100
52	MP-7	X	-.005	-.005	0	%100
53	MP-8	X	-.005	-.005	0	%100
54	MP-9	X	-.005	-.005	0	%100
55	MP-10	X	-.005	-.005	0	%100
56	MP-11	X	-.005	-.005	0	%100
57	MP-12	X	-.005	-.005	0	%100
58	ST1-V1	X	-.005	-.005	0	%100
59	ST1-V2	X	-.005	-.005	0	%100
60	ST2-V1	X	-.005	-.005	0	%100
61	ST2-V2	X	-.005	-.005	0	%100
62	ST3-V1	X	-.005	-.005	0	%100
63	ST3-V2	X	-.005	-.005	0	%100
64	STAB-1B	X	-.000639	-.000639	0	%100
65	STAB-1U	X	-.000639	-.000639	0	%100
66	STAB-2B	X	-.003	-.003	0	%100
67	STAB-2U	X	-.003	-.003	0	%100
68	STAB-3B	X	-.003	-.003	0	%100
69	STAB-3U	X	-.003	-.003	0	%100
70	ST1-H1	X	-.002	-.002	0	%100
71	ST1-H2	X	-.002	-.002	0	%100
72	ST2-H1	X	-.003	-.003	0	%100
73	ST2-H2	X	-.003	-.003	0	%100
74	ST3-H1	X	0	0	0	%100
75	ST3-H2	X	0	0	0	%100
76	M147A	X	-.001	-.001	0	%100
77	M167	X	-.001	-.001	0	%100
78	ST1-D1	X	-.001	-.001	0	%100
79	SA-1	X	-.007	-.007	0	%100
80	SA-2	X	-.003	-.003	0	%100
81	SA-3	X	-.003	-.003	0	%100
82	SA-4	X	-.007	-.007	0	%100
83	SA-5	X	-.003	-.003	0	%100
84	SA-6	X	-.003	-.003	0	%100
85	SA-1B	X	-.008	-.008	0	%100
86	SA-2B	X	-.004	-.004	0	%100
87	SA-3B	X	-.005	-.005	0	%100
88	SA-4B	X	-.008	-.008	0	%100
89	SA-5B	X	-.004	-.004	0	%100
90	SA-6B	X	-.005	-.005	0	%100

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,%]
91	SR-1	X	-.002	-.002	0	%100
92	SR-2	X	-.002	-.002	0	%100
93	SR-3	X	-.005	-.005	0	%100
94	SRC-1	X	-.005	-.005	0	%100
95	SRC-2	X	-.003	-.003	0	%100
96	SRC-3	X	-.002	-.002	0	%100
97	EC-1	Z	-.017	-.017	0	%100
98	EC-2	Z	-.008	-.008	0	%100
99	EC-3	Z	-.008	-.008	0	%100
100	FFTH-1	Z	-.008	-.008	0	%100
101	FFTH-2	Z	-.008	-.008	0	%100
102	FFTH-3	Z	-.017	-.017	0	%100
103	GS-1	Z	-.005	-.005	0	%100
104	GS-2	Z	-.005	-.005	0	%100
105	GS-3	Z	-.005	-.005	0	%100
106	GS-4	Z	-.004	-.004	0	%100
107	GS-5	Z	-.005	-.005	0	%100
108	GS-6	Z	-.005	-.005	0	%100
109	GS-7	Z	-.005	-.005	0	%100
110	GS-8	Z	-.004	-.004	0	%100
111	GS-9	Z	-.01	-.01	0	%100
112	GS-10	Z	-.01	-.01	0	%100
113	GS-11	Z	-.01	-.01	0	%100
114	GS-12	Z	-.008	-.008	0	%100
115	GSI-1	Z	-.008	-.008	0	%100
116	GSI-1A	Z	-.007	-.007	0	%100
117	GSI-2	Z	-.01	-.01	0	%100
118	GSI-2A	Z	-.011	-.011	0	%100
119	GSI-3	Z	-.008	-.008	0	%100
120	GSI-4	Z	-.004	-.004	0	%100
121	GSI-4A	Z	-.003	-.003	0	%100
122	GSI-5	Z	-.005	-.005	0	%100
123	GSI-5A	Z	-.006	-.006	0	%100
124	GSI-6	Z	-.004	-.004	0	%100
125	GSI-7	Z	-.004	-.004	0	%100
126	GSI-7A	Z	-.003	-.003	0	%100
127	GSI-8	Z	-.005	-.005	0	%100
128	GSI-8A	Z	-.005	-.005	0	%100
129	GSI-9	Z	-.004	-.004	0	%100
130	INT-1	Z	-.008	-.008	0	%100
131	INT-2	Z	-.004	-.004	0	%100
132	INT-3	Z	-.004	-.004	0	%100
133	INT-4	Z	-.005	-.005	0	%100
134	INT-5	Z	-.004	-.004	0	%100
135	INT-6	Z	-.008	-.008	0	%100
136	INT-7	Z	-.009	-.009	0	%100
137	INT-8	Z	-.004	-.004	0	%100
138	INT-9	Z	-.004	-.004	0	%100
139	INT-10	Z	-.004	-.004	0	%100
140	INT-11	Z	-.005	-.005	0	%100
141	INT-12	Z	-.009	-.009	0	%100
142	MP-1	Z	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
143	MP-2	Z	-.008	-.008	0	%100
144	MP-3	Z	-.008	-.008	0	%100
145	MP-4	Z	-.008	-.008	0	%100
146	MP-5	Z	-.008	-.008	0	%100
147	MP-6	Z	-.008	-.008	0	%100
148	MP-7	Z	-.008	-.008	0	%100
149	MP-8	Z	-.008	-.008	0	%100
150	MP-9	Z	-.008	-.008	0	%100
151	MP-10	Z	-.008	-.008	0	%100
152	MP-11	Z	-.008	-.008	0	%100
153	MP-12	Z	-.008	-.008	0	%100
154	ST1-V1	Z	-.008	-.008	0	%100
155	ST1-V2	Z	-.008	-.008	0	%100
156	ST2-V1	Z	-.008	-.008	0	%100
157	ST2-V2	Z	-.008	-.008	0	%100
158	ST3-V1	Z	-.008	-.008	0	%100
159	ST3-V2	Z	-.008	-.008	0	%100
160	STAB-1B	Z	-.001	-.001	0	%100
161	STAB-1U	Z	-.001	-.001	0	%100
162	STAB-2B	Z	-.007	-.007	0	%100
163	STAB-2U	Z	-.007	-.007	0	%100
164	STAB-3B	Z	-.004	-.004	0	%100
165	STAB-3U	Z	-.004	-.004	0	%100
166	ST1-H1	Z	-.005	-.005	0	%100
167	ST1-H2	Z	-.005	-.005	0	%100
168	ST2-H1	Z	-.004	-.004	0	%100
169	ST2-H2	Z	-.004	-.004	0	%100
170	ST3-H1	Z	0	0	0	%100
171	ST3-H2	Z	0	0	0	%100
172	M147A	Z	-.003	-.003	0	%100
173	M167	Z	-.003	-.003	0	%100
174	ST1-D1	Z	-.003	-.003	0	%100
175	SA-1	Z	-.012	-.012	0	%100
176	SA-2	Z	-.006	-.006	0	%100
177	SA-3	Z	-.006	-.006	0	%100
178	SA-4	Z	-.012	-.012	0	%100
179	SA-5	Z	-.006	-.006	0	%100
180	SA-6	Z	-.006	-.006	0	%100
181	SA-1B	Z	-.016	-.016	0	%100
182	SA-2B	Z	-.008	-.008	0	%100
183	SA-3B	Z	-.008	-.008	0	%100
184	SA-4B	Z	-.016	-.016	0	%100
185	SA-5B	Z	-.008	-.008	0	%100
186	SA-6B	Z	-.008	-.008	0	%100
187	SR-1	Z	-.004	-.004	0	%100
188	SR-2	Z	-.004	-.004	0	%100
189	SR-3	Z	-.008	-.008	0	%100
190	SRC-1	Z	-.009	-.009	0	%100
191	SRC-2	Z	-.005	-.005	0	%100
192	SRC-3	Z	-.005	-.005	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	EC-1	Z	-.017	-.017	0	%100
2	EC-2	Z	0	0	0	%100
3	EC-3	Z	-.017	-.017	0	%100
4	FFTH-1	Z	0	0	0	%100
5	FFTH-2	Z	-.017	-.017	0	%100
6	FFTH-3	Z	-.017	-.017	0	%100
7	GS-1	Z	0	0	0	%100
8	GS-2	Z	0	0	0	%100
9	GS-3	Z	0	0	0	%100
10	GS-4	Z	0	0	0	%100
11	GS-5	Z	-.01	-.01	0	%100
12	GS-6	Z	-.01	-.01	0	%100
13	GS-7	Z	-.01	-.01	0	%100
14	GS-8	Z	-.008	-.008	0	%100
15	GS-9	Z	-.01	-.01	0	%100
16	GS-10	Z	-.01	-.01	0	%100
17	GS-11	Z	-.01	-.01	0	%100
18	GS-12	Z	-.008	-.008	0	%100
19	GSI-1	Z	-.008	-.008	0	%100
20	GSI-1A	Z	-.007	-.007	0	%100
21	GSI-2	Z	-.01	-.01	0	%100
22	GSI-2A	Z	-.011	-.011	0	%100
23	GSI-3	Z	-.008	-.008	0	%100
24	GSI-4	Z	0	0	0	%100
25	GSI-4A	Z	0	0	0	%100
26	GSI-5	Z	0	0	0	%100
27	GSI-5A	Z	0	0	0	%100
28	GSI-6	Z	0	0	0	%100
29	GSI-7	Z	-.008	-.008	0	%100
30	GSI-7A	Z	-.007	-.007	0	%100
31	GSI-8	Z	-.01	-.01	0	%100
32	GSI-8A	Z	-.011	-.011	0	%100
33	GSI-9	Z	-.008	-.008	0	%100
34	INT-1	Z	-.008	-.008	0	%100
35	INT-2	Z	-.008	-.008	0	%100
36	INT-3	Z	-.009	-.009	0	%100
37	INT-4	Z	0	0	0	%100
38	INT-5	Z	0	0	0	%100
39	INT-6	Z	-.008	-.008	0	%100
40	INT-7	Z	-.009	-.009	0	%100
41	INT-8	Z	-.009	-.009	0	%100
42	INT-9	Z	-.008	-.008	0	%100
43	INT-10	Z	0	0	0	%100
44	INT-11	Z	0	0	0	%100
45	INT-12	Z	-.009	-.009	0	%100
46	MP-1	Z	-.009	-.009	0	%100
47	MP-2	Z	-.009	-.009	0	%100
48	MP-3	Z	-.009	-.009	0	%100
49	MP-4	Z	-.009	-.009	0	%100
50	MP-5	Z	-.009	-.009	0	%100
51	MP-6	Z	-.009	-.009	0	%100
52	MP-7	Z	-.009	-.009	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
53	MP-8	Z	-.009	-.009	0	%100
54	MP-9	Z	-.009	-.009	0	%100
55	MP-10	Z	-.009	-.009	0	%100
56	MP-11	Z	-.009	-.009	0	%100
57	MP-12	Z	-.009	-.009	0	%100
58	ST1-V1	Z	-.009	-.009	0	%100
59	ST1-V2	Z	-.009	-.009	0	%100
60	ST2-V1	Z	-.009	-.009	0	%100
61	ST2-V2	Z	-.009	-.009	0	%100
62	ST3-V1	Z	-.009	-.009	0	%100
63	ST3-V2	Z	-.009	-.009	0	%100
64	STAB-1B	Z	-.005	-.005	0	%100
65	STAB-1U	Z	-.005	-.005	0	%100
66	STAB-2B	Z	-.008	-.008	0	%100
67	STAB-2U	Z	-.008	-.008	0	%100
68	STAB-3B	Z	-.002	-.002	0	%100
69	STAB-3U	Z	-.002	-.002	0	%100
70	ST1-H1	Z	-.006	-.006	0	%100
71	ST1-H2	Z	-.006	-.006	0	%100
72	ST2-H1	Z	-.003	-.003	0	%100
73	ST2-H2	Z	-.003	-.003	0	%100
74	ST3-H1	Z	-.003	-.003	0	%100
75	ST3-H2	Z	-.003	-.003	0	%100
76	M147A	Z	-.003	-.003	0	%100
77	M167	Z	-.003	-.003	0	%100
78	ST1-D1	Z	-.003	-.003	0	%100
79	SA-1	Z	-.012	-.012	0	%100
80	SA-2	Z	-.012	-.012	0	%100
81	SA-3	Z	0	0	0	%100
82	SA-4	Z	-.012	-.012	0	%100
83	SA-5	Z	-.012	-.012	0	%100
84	SA-6	Z	0	0	0	%100
85	SA-1B	Z	-.016	-.016	0	%100
86	SA-2B	Z	-.016	-.016	0	%100
87	SA-3B	Z	0	0	0	%100
88	SA-4B	Z	-.016	-.016	0	%100
89	SA-5B	Z	-.016	-.016	0	%100
90	SA-6B	Z	0	0	0	%100
91	SR-1	Z	0	0	0	%100
92	SR-2	Z	-.008	-.008	0	%100
93	SR-3	Z	-.008	-.008	0	%100
94	SRC-1	Z	-.009	-.009	0	%100
95	SRC-2	Z	0	0	0	%100
96	SRC-3	Z	-.009	-.009	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	EC-1	X	.005	.005	0	%100
2	EC-2	X	.005	.005	0	%100
3	EC-3	X	.01	.01	0	%100
4	FFTH-1	X	.005	.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	FFTH-2	X	.01	.01	0	%100
6	FFTH-3	X	.005	.005	0	%100
7	GS-1	X	.003	.003	0	%100
8	GS-2	X	.003	.003	0	%100
9	GS-3	X	.003	.003	0	%100
10	GS-4	X	.002	.002	0	%100
11	GS-5	X	.005	.005	0	%100
12	GS-6	X	.005	.005	0	%100
13	GS-7	X	.005	.005	0	%100
14	GS-8	X	.004	.004	0	%100
15	GS-9	X	.002	.002	0	%100
16	GS-10	X	.002	.002	0	%100
17	GS-11	X	.002	.002	0	%100
18	GS-12	X	.002	.002	0	%100
19	GSI-1	X	.002	.002	0	%100
20	GSI-1A	X	.002	.002	0	%100
21	GSI-2	X	.003	.003	0	%100
22	GSI-2A	X	.003	.003	0	%100
23	GSI-3	X	.002	.002	0	%100
24	GSI-4	X	.003	.003	0	%100
25	GSI-4A	X	.002	.002	0	%100
26	GSI-5	X	.003	.003	0	%100
27	GSI-5A	X	.003	.003	0	%100
28	GSI-6	X	.002	.002	0	%100
29	GSI-7	X	.004	.004	0	%100
30	GSI-7A	X	.004	.004	0	%100
31	GSI-8	X	.005	.005	0	%100
32	GSI-8A	X	.005	.005	0	%100
33	GSI-9	X	.004	.004	0	%100
34	INT-1	X	.002	.002	0	%100
35	INT-2	X	.004	.004	0	%100
36	INT-3	X	.005	.005	0	%100
37	INT-4	X	.003	.003	0	%100
38	INT-5	X	.002	.002	0	%100
39	INT-6	X	.002	.002	0	%100
40	INT-7	X	.002	.002	0	%100
41	INT-8	X	.005	.005	0	%100
42	INT-9	X	.004	.004	0	%100
43	INT-10	X	.002	.002	0	%100
44	INT-11	X	.003	.003	0	%100
45	INT-12	X	.002	.002	0	%100
46	MP-1	X	.005	.005	0	%100
47	MP-2	X	.005	.005	0	%100
48	MP-3	X	.005	.005	0	%100
49	MP-4	X	.005	.005	0	%100
50	MP-5	X	.005	.005	0	%100
51	MP-6	X	.005	.005	0	%100
52	MP-7	X	.005	.005	0	%100
53	MP-8	X	.005	.005	0	%100
54	MP-9	X	.005	.005	0	%100
55	MP-10	X	.005	.005	0	%100
56	MP-11	X	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
57	MP-12	X	.005	.005	0	%100
58	ST1-V1	X	.005	.005	0	%100
59	ST1-V2	X	.005	.005	0	%100
60	ST2-V1	X	.005	.005	0	%100
61	ST2-V2	X	.005	.005	0	%100
62	ST3-V1	X	.005	.005	0	%100
63	ST3-V2	X	.005	.005	0	%100
64	STAB-1B	X	.004	.004	0	%100
65	STAB-1U	X	.004	.004	0	%100
66	STAB-2B	X	.002	.002	0	%100
67	STAB-2U	X	.002	.002	0	%100
68	STAB-3B	X	.000688	.000688	0	%100
69	STAB-3U	X	.000688	.000688	0	%100
70	ST1-H1	X	.002	.002	0	%100
71	ST1-H2	X	.002	.002	0	%100
72	ST2-H1	X	0	0	0	%100
73	ST2-H2	X	0	0	0	%100
74	ST3-H1	X	.003	.003	0	%100
75	ST3-H2	X	.003	.003	0	%100
76	M147A	X	.001	.001	0	%100
77	M167	X	.001	.001	0	%100
78	ST1-D1	X	.001	.001	0	%100
79	SA-1	X	.003	.003	0	%100
80	SA-2	X	.007	.007	0	%100
81	SA-3	X	.003	.003	0	%100
82	SA-4	X	.003	.003	0	%100
83	SA-5	X	.007	.007	0	%100
84	SA-6	X	.003	.003	0	%100
85	SA-1B	X	.004	.004	0	%100
86	SA-2B	X	.008	.008	0	%100
87	SA-3B	X	.005	.005	0	%100
88	SA-4B	X	.004	.004	0	%100
89	SA-5B	X	.008	.008	0	%100
90	SA-6B	X	.005	.005	0	%100
91	SR-1	X	.002	.002	0	%100
92	SR-2	X	.005	.005	0	%100
93	SR-3	X	.002	.002	0	%100
94	SRC-1	X	.002	.002	0	%100
95	SRC-2	X	.003	.003	0	%100
96	SRC-3	X	.005	.005	0	%100
97	EC-1	Z	-.008	-.008	0	%100
98	EC-2	Z	-.008	-.008	0	%100
99	EC-3	Z	-.017	-.017	0	%100
100	FFTH-1	Z	-.008	-.008	0	%100
101	FFTH-2	Z	-.017	-.017	0	%100
102	FFTH-3	Z	-.008	-.008	0	%100
103	GS-1	Z	-.005	-.005	0	%100
104	GS-2	Z	-.005	-.005	0	%100
105	GS-3	Z	-.005	-.005	0	%100
106	GS-4	Z	-.004	-.004	0	%100
107	GS-5	Z	-.01	-.01	0	%100
108	GS-6	Z	-.01	-.01	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	GS-7	Z	-.01	-.01	0	%100
110	GS-8	Z	-.008	-.008	0	%100
111	GS-9	Z	-.005	-.005	0	%100
112	GS-10	Z	-.005	-.005	0	%100
113	GS-11	Z	-.005	-.005	0	%100
114	GS-12	Z	-.004	-.004	0	%100
115	GSI-1	Z	-.004	-.004	0	%100
116	GSI-1A	Z	-.003	-.003	0	%100
117	GSI-2	Z	-.005	-.005	0	%100
118	GSI-2A	Z	-.005	-.005	0	%100
119	GSI-3	Z	-.004	-.004	0	%100
120	GSI-4	Z	-.004	-.004	0	%100
121	GSI-4A	Z	-.003	-.003	0	%100
122	GSI-5	Z	-.005	-.005	0	%100
123	GSI-5A	Z	-.006	-.006	0	%100
124	GSI-6	Z	-.004	-.004	0	%100
125	GSI-7	Z	-.008	-.008	0	%100
126	GSI-7A	Z	-.007	-.007	0	%100
127	GSI-8	Z	-.01	-.01	0	%100
128	GSI-8A	Z	-.011	-.011	0	%100
129	GSI-9	Z	-.008	-.008	0	%100
130	INT-1	Z	-.004	-.004	0	%100
131	INT-2	Z	-.008	-.008	0	%100
132	INT-3	Z	-.009	-.009	0	%100
133	INT-4	Z	-.005	-.005	0	%100
134	INT-5	Z	-.004	-.004	0	%100
135	INT-6	Z	-.004	-.004	0	%100
136	INT-7	Z	-.004	-.004	0	%100
137	INT-8	Z	-.009	-.009	0	%100
138	INT-9	Z	-.008	-.008	0	%100
139	INT-10	Z	-.004	-.004	0	%100
140	INT-11	Z	-.005	-.005	0	%100
141	INT-12	Z	-.004	-.004	0	%100
142	MP-1	Z	-.008	-.008	0	%100
143	MP-2	Z	-.008	-.008	0	%100
144	MP-3	Z	-.008	-.008	0	%100
145	MP-4	Z	-.008	-.008	0	%100
146	MP-5	Z	-.008	-.008	0	%100
147	MP-6	Z	-.008	-.008	0	%100
148	MP-7	Z	-.008	-.008	0	%100
149	MP-8	Z	-.008	-.008	0	%100
150	MP-9	Z	-.008	-.008	0	%100
151	MP-10	Z	-.008	-.008	0	%100
152	MP-11	Z	-.008	-.008	0	%100
153	MP-12	Z	-.008	-.008	0	%100
154	ST1-V1	Z	-.008	-.008	0	%100
155	ST1-V2	Z	-.008	-.008	0	%100
156	ST2-V1	Z	-.008	-.008	0	%100
157	ST2-V2	Z	-.008	-.008	0	%100
158	ST3-V1	Z	-.008	-.008	0	%100
159	ST3-V2	Z	-.008	-.008	0	%100
160	STAB-1B	Z	-.006	-.006	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
161	STAB-1U	Z	-.006	-.006	0	%100
162	STAB-2B	Z	-.006	-.006	0	%100
163	STAB-2U	Z	-.006	-.006	0	%100
164	STAB-3B	Z	-.000895	-.000895	0	%100
165	STAB-3U	Z	-.000895	-.000895	0	%100
166	ST1-H1	Z	-.005	-.005	0	%100
167	ST1-H2	Z	-.005	-.005	0	%100
168	ST2-H1	Z	0	0	0	%100
169	ST2-H2	Z	0	0	0	%100
170	ST3-H1	Z	-.004	-.004	0	%100
171	ST3-H2	Z	-.004	-.004	0	%100
172	M147A	Z	-.003	-.003	0	%100
173	M167	Z	-.003	-.003	0	%100
174	ST1-D1	Z	-.003	-.003	0	%100
175	SA-1	Z	-.006	-.006	0	%100
176	SA-2	Z	-.012	-.012	0	%100
177	SA-3	Z	-.006	-.006	0	%100
178	SA-4	Z	-.006	-.006	0	%100
179	SA-5	Z	-.012	-.012	0	%100
180	SA-6	Z	-.006	-.006	0	%100
181	SA-1B	Z	-.008	-.008	0	%100
182	SA-2B	Z	-.016	-.016	0	%100
183	SA-3B	Z	-.008	-.008	0	%100
184	SA-4B	Z	-.008	-.008	0	%100
185	SA-5B	Z	-.016	-.016	0	%100
186	SA-6B	Z	-.008	-.008	0	%100
187	SR-1	Z	-.004	-.004	0	%100
188	SR-2	Z	-.008	-.008	0	%100
189	SR-3	Z	-.004	-.004	0	%100
190	SRC-1	Z	-.005	-.005	0	%100
191	SRC-2	Z	-.005	-.005	0	%100
192	SRC-3	Z	-.009	-.009	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	EC-1	X	.004	.004	0	%100
2	EC-2	X	.01	.01	0	%100
3	EC-3	X	.013	.013	0	%100
4	FFTH-1	X	.01	.01	0	%100
5	FFTH-2	X	.013	.013	0	%100
6	FFTH-3	X	.004	.004	0	%100
7	GS-1	X	.006	.006	0	%100
8	GS-2	X	.006	.006	0	%100
9	GS-3	X	.006	.006	0	%100
10	GS-4	X	.005	.005	0	%100
11	GS-5	X	.007	.007	0	%100
12	GS-6	X	.007	.007	0	%100
13	GS-7	X	.007	.007	0	%100
14	GS-8	X	.006	.006	0	%100
15	GS-9	X	.002	.002	0	%100
16	GS-10	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	GS-11	X	.002	.002	0	%100
18	GS-12	X	.002	.002	0	%100
19	GSI-1	X	.002	.002	0	%100
20	GSI-1A	X	.001	.001	0	%100
21	GSI-2	X	.002	.002	0	%100
22	GSI-2A	X	.002	.002	0	%100
23	GSI-3	X	.002	.002	0	%100
24	GSI-4	X	.005	.005	0	%100
25	GSI-4A	X	.004	.004	0	%100
26	GSI-5	X	.006	.006	0	%100
27	GSI-5A	X	.006	.006	0	%100
28	GSI-6	X	.005	.005	0	%100
29	GSI-7	X	.006	.006	0	%100
30	GSI-7A	X	.005	.005	0	%100
31	GSI-8	X	.007	.007	0	%100
32	GSI-8A	X	.007	.007	0	%100
33	GSI-9	X	.006	.006	0	%100
34	INT-1	X	.002	.002	0	%100
35	INT-2	X	.006	.006	0	%100
36	INT-3	X	.006	.006	0	%100
37	INT-4	X	.005	.005	0	%100
38	INT-5	X	.005	.005	0	%100
39	INT-6	X	.002	.002	0	%100
40	INT-7	X	.002	.002	0	%100
41	INT-8	X	.006	.006	0	%100
42	INT-9	X	.006	.006	0	%100
43	INT-10	X	.005	.005	0	%100
44	INT-11	X	.005	.005	0	%100
45	INT-12	X	.002	.002	0	%100
46	MP-1	X	.006	.006	0	%100
47	MP-2	X	.006	.006	0	%100
48	MP-3	X	.006	.006	0	%100
49	MP-4	X	.006	.006	0	%100
50	MP-5	X	.006	.006	0	%100
51	MP-6	X	.006	.006	0	%100
52	MP-7	X	.006	.006	0	%100
53	MP-8	X	.006	.006	0	%100
54	MP-9	X	.006	.006	0	%100
55	MP-10	X	.006	.006	0	%100
56	MP-11	X	.006	.006	0	%100
57	MP-12	X	.006	.006	0	%100
58	ST1-V1	X	.006	.006	0	%100
59	ST1-V2	X	.006	.006	0	%100
60	ST2-V1	X	.006	.006	0	%100
61	ST2-V2	X	.006	.006	0	%100
62	ST3-V1	X	.006	.006	0	%100
63	ST3-V2	X	.006	.006	0	%100
64	STAB-1B	X	.005	.005	0	%100
65	STAB-1U	X	.005	.005	0	%100
66	STAB-2B	X	.002	.002	0	%100
67	STAB-2U	X	.002	.002	0	%100
68	STAB-3B	X	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
69	STAB-3U	X	.002	.002	0	%100
70	ST1-H1	X	.003	.003	0	%100
71	ST1-H2	X	.003	.003	0	%100
72	ST2-H1	X	.001	.001	0	%100
73	ST2-H2	X	.001	.001	0	%100
74	ST3-H1	X	.004	.004	0	%100
75	ST3-H2	X	.004	.004	0	%100
76	M147A	X	.002	.002	0	%100
77	M167	X	.002	.002	0	%100
78	ST1-D1	X	.002	.002	0	%100
79	SA-1	X	.002	.002	0	%100
80	SA-2	X	.009	.009	0	%100
81	SA-3	X	.007	.007	0	%100
82	SA-4	X	.002	.002	0	%100
83	SA-5	X	.009	.009	0	%100
84	SA-6	X	.007	.007	0	%100
85	SA-1B	X	.003	.003	0	%100
86	SA-2B	X	.011	.011	0	%100
87	SA-3B	X	.009	.009	0	%100
88	SA-4B	X	.003	.003	0	%100
89	SA-5B	X	.011	.011	0	%100
90	SA-6B	X	.009	.009	0	%100
91	SR-1	X	.005	.005	0	%100
92	SR-2	X	.006	.006	0	%100
93	SR-3	X	.002	.002	0	%100
94	SRC-1	X	.002	.002	0	%100
95	SRC-2	X	.005	.005	0	%100
96	SRC-3	X	.007	.007	0	%100
97	EC-1	Z	-.004	-.004	0	%100
98	EC-2	Z	-.01	-.01	0	%100
99	EC-3	Z	-.013	-.013	0	%100
100	FFTH-1	Z	-.01	-.01	0	%100
101	FFTH-2	Z	-.013	-.013	0	%100
102	FFTH-3	Z	-.004	-.004	0	%100
103	GS-1	Z	-.006	-.006	0	%100
104	GS-2	Z	-.006	-.006	0	%100
105	GS-3	Z	-.006	-.006	0	%100
106	GS-4	Z	-.005	-.005	0	%100
107	GS-5	Z	-.008	-.008	0	%100
108	GS-6	Z	-.008	-.008	0	%100
109	GS-7	Z	-.008	-.008	0	%100
110	GS-8	Z	-.007	-.007	0	%100
111	GS-9	Z	-.002	-.002	0	%100
112	GS-10	Z	-.002	-.002	0	%100
113	GS-11	Z	-.002	-.002	0	%100
114	GS-12	Z	-.002	-.002	0	%100
115	GSI-1	Z	-.002	-.002	0	%100
116	GSI-1A	Z	-.001	-.001	0	%100
117	GSI-2	Z	-.002	-.002	0	%100
118	GSI-2A	Z	-.002	-.002	0	%100
119	GSI-3	Z	-.002	-.002	0	%100
120	GSI-4	Z	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	GSI-4A	Z	-.004	-.004	0	%100
122	GSI-5	Z	-.006	-.006	0	%100
123	GSI-5A	Z	-.006	-.006	0	%100
124	GSI-6	Z	-.005	-.005	0	%100
125	GSI-7	Z	-.007	-.007	0	%100
126	GSI-7A	Z	-.005	-.005	0	%100
127	GSI-8	Z	-.008	-.008	0	%100
128	GSI-8A	Z	-.008	-.008	0	%100
129	GSI-9	Z	-.007	-.007	0	%100
130	INT-1	Z	-.002	-.002	0	%100
131	INT-2	Z	-.007	-.007	0	%100
132	INT-3	Z	-.007	-.007	0	%100
133	INT-4	Z	-.005	-.005	0	%100
134	INT-5	Z	-.005	-.005	0	%100
135	INT-6	Z	-.002	-.002	0	%100
136	INT-7	Z	-.002	-.002	0	%100
137	INT-8	Z	-.007	-.007	0	%100
138	INT-9	Z	-.007	-.007	0	%100
139	INT-10	Z	-.005	-.005	0	%100
140	INT-11	Z	-.005	-.005	0	%100
141	INT-12	Z	-.002	-.002	0	%100
142	MP-1	Z	-.006	-.006	0	%100
143	MP-2	Z	-.006	-.006	0	%100
144	MP-3	Z	-.006	-.006	0	%100
145	MP-4	Z	-.006	-.006	0	%100
146	MP-5	Z	-.006	-.006	0	%100
147	MP-6	Z	-.006	-.006	0	%100
148	MP-7	Z	-.006	-.006	0	%100
149	MP-8	Z	-.006	-.006	0	%100
150	MP-9	Z	-.006	-.006	0	%100
151	MP-10	Z	-.006	-.006	0	%100
152	MP-11	Z	-.006	-.006	0	%100
153	MP-12	Z	-.006	-.006	0	%100
154	ST1-V1	Z	-.006	-.006	0	%100
155	ST1-V2	Z	-.006	-.006	0	%100
156	ST2-V1	Z	-.006	-.006	0	%100
157	ST2-V2	Z	-.006	-.006	0	%100
158	ST3-V1	Z	-.006	-.006	0	%100
159	ST3-V2	Z	-.006	-.006	0	%100
160	STAB-1B	Z	-.005	-.005	0	%100
161	STAB-1U	Z	-.005	-.005	0	%100
162	STAB-2B	Z	-.003	-.003	0	%100
163	STAB-2U	Z	-.003	-.003	0	%100
164	STAB-3B	Z	-.002	-.002	0	%100
165	STAB-3U	Z	-.002	-.002	0	%100
166	ST1-H1	Z	-.003	-.003	0	%100
167	ST1-H2	Z	-.003	-.003	0	%100
168	ST2-H1	Z	-.001	-.001	0	%100
169	ST2-H2	Z	-.001	-.001	0	%100
170	ST3-H1	Z	-.004	-.004	0	%100
171	ST3-H2	Z	-.004	-.004	0	%100
172	M147A	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
173	M167	Z	-.002	-.002	0	%100
174	ST1-D1	Z	-.002	-.002	0	%100
175	SA-1	Z	-.002	-.002	0	%100
176	SA-2	Z	-.009	-.009	0	%100
177	SA-3	Z	-.007	-.007	0	%100
178	SA-4	Z	-.002	-.002	0	%100
179	SA-5	Z	-.009	-.009	0	%100
180	SA-6	Z	-.007	-.007	0	%100
181	SA-1B	Z	-.003	-.003	0	%100
182	SA-2B	Z	-.012	-.012	0	%100
183	SA-3B	Z	-.009	-.009	0	%100
184	SA-4B	Z	-.003	-.003	0	%100
185	SA-5B	Z	-.012	-.012	0	%100
186	SA-6B	Z	-.009	-.009	0	%100
187	SR-1	Z	-.005	-.005	0	%100
188	SR-2	Z	-.006	-.006	0	%100
189	SR-3	Z	-.002	-.002	0	%100
190	SRC-1	Z	-.002	-.002	0	%100
191	SRC-2	Z	-.005	-.005	0	%100
192	SRC-3	Z	-.007	-.007	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	EC-1	X	0	0	0	%100
2	EC-2	X	.014	.014	0	%100
3	EC-3	X	.014	.014	0	%100
4	FFTH-1	X	.014	.014	0	%100
5	FFTH-2	X	.014	.014	0	%100
6	FFTH-3	X	0	0	0	%100
7	GS-1	X	.009	.009	0	%100
8	GS-2	X	.009	.009	0	%100
9	GS-3	X	.009	.009	0	%100
10	GS-4	X	.007	.007	0	%100
11	GS-5	X	.007	.007	0	%100
12	GS-6	X	.007	.007	0	%100
13	GS-7	X	.007	.007	0	%100
14	GS-8	X	.006	.006	0	%100
15	GS-9	X	0	0	0	%100
16	GS-10	X	0	0	0	%100
17	GS-11	X	0	0	0	%100
18	GS-12	X	0	0	0	%100
19	GSI-1	X	0	0	0	%100
20	GSI-1A	X	0	0	0	%100
21	GSI-2	X	0	0	0	%100
22	GSI-2A	X	0	0	0	%100
23	GSI-3	X	0	0	0	%100
24	GSI-4	X	.008	.008	0	%100
25	GSI-4A	X	.006	.006	0	%100
26	GSI-5	X	.009	.009	0	%100
27	GSI-5A	X	.01	.01	0	%100
28	GSI-6	X	.007	.007	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	GSI-7	X	.007	.007	0	%100
30	GSI-7A	X	.006	.006	0	%100
31	GSI-8	X	.008	.008	0	%100
32	GSI-8A	X	.008	.008	0	%100
33	GSI-9	X	.006	.006	0	%100
34	INT-1	X	0	0	0	%100
35	INT-2	X	.006	.006	0	%100
36	INT-3	X	.007	.007	0	%100
37	INT-4	X	.008	.008	0	%100
38	INT-5	X	.007	.007	0	%100
39	INT-6	X	0	0	0	%100
40	INT-7	X	0	0	0	%100
41	INT-8	X	.007	.007	0	%100
42	INT-9	X	.006	.006	0	%100
43	INT-10	X	.007	.007	0	%100
44	INT-11	X	.008	.008	0	%100
45	INT-12	X	0	0	0	%100
46	MP-1	X	.008	.008	0	%100
47	MP-2	X	.008	.008	0	%100
48	MP-3	X	.008	.008	0	%100
49	MP-4	X	.008	.008	0	%100
50	MP-5	X	.008	.008	0	%100
51	MP-6	X	.008	.008	0	%100
52	MP-7	X	.008	.008	0	%100
53	MP-8	X	.008	.008	0	%100
54	MP-9	X	.008	.008	0	%100
55	MP-10	X	.008	.008	0	%100
56	MP-11	X	.008	.008	0	%100
57	MP-12	X	.008	.008	0	%100
58	ST1-V1	X	.008	.008	0	%100
59	ST1-V2	X	.008	.008	0	%100
60	ST2-V1	X	.008	.008	0	%100
61	ST2-V2	X	.008	.008	0	%100
62	ST3-V1	X	.008	.008	0	%100
63	ST3-V2	X	.008	.008	0	%100
64	STAB-1B	X	.006	.006	0	%100
65	STAB-1U	X	.006	.006	0	%100
66	STAB-2B	X	.002	.002	0	%100
67	STAB-2U	X	.002	.002	0	%100
68	STAB-3B	X	.005	.005	0	%100
69	STAB-3U	X	.005	.005	0	%100
70	ST1-H1	X	.002	.002	0	%100
71	ST1-H2	X	.002	.002	0	%100
72	ST2-H1	X	.003	.003	0	%100
73	ST2-H2	X	.003	.003	0	%100
74	ST3-H1	X	.005	.005	0	%100
75	ST3-H2	X	.005	.005	0	%100
76	M147A	X	.003	.003	0	%100
77	M167	X	.003	.003	0	%100
78	ST1-D1	X	.003	.003	0	%100
79	SA-1	X	0	0	0	%100
80	SA-2	X	.01	.01	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
81	SA-3	X	.01	.01	0	%100
82	SA-4	X	0	0	0	%100
83	SA-5	X	.01	.01	0	%100
84	SA-6	X	.01	.01	0	%100
85	SA-1B	X	0	0	0	%100
86	SA-2B	X	.012	.012	0	%100
87	SA-3B	X	.014	.014	0	%100
88	SA-4B	X	0	0	0	%100
89	SA-5B	X	.012	.012	0	%100
90	SA-6B	X	.014	.014	0	%100
91	SR-1	X	.007	.007	0	%100
92	SR-2	X	.007	.007	0	%100
93	SR-3	X	0	0	0	%100
94	SRC-1	X	0	0	0	%100
95	SRC-2	X	.008	.008	0	%100
96	SRC-3	X	.007	.007	0	%100
97	EC-1	Z	0	0	0	%100
98	EC-2	Z	-.008	-.008	0	%100
99	EC-3	Z	-.008	-.008	0	%100
100	FFTH-1	Z	-.008	-.008	0	%100
101	FFTH-2	Z	-.008	-.008	0	%100
102	FFTH-3	Z	0	0	0	%100
103	GS-1	Z	-.005	-.005	0	%100
104	GS-2	Z	-.005	-.005	0	%100
105	GS-3	Z	-.005	-.005	0	%100
106	GS-4	Z	-.004	-.004	0	%100
107	GS-5	Z	-.005	-.005	0	%100
108	GS-6	Z	-.005	-.005	0	%100
109	GS-7	Z	-.005	-.005	0	%100
110	GS-8	Z	-.004	-.004	0	%100
111	GS-9	Z	0	0	0	%100
112	GS-10	Z	0	0	0	%100
113	GS-11	Z	0	0	0	%100
114	GS-12	Z	0	0	0	%100
115	GSI-1	Z	0	0	0	%100
116	GSI-1A	Z	0	0	0	%100
117	GSI-2	Z	0	0	0	%100
118	GSI-2A	Z	0	0	0	%100
119	GSI-3	Z	0	0	0	%100
120	GSI-4	Z	-.004	-.004	0	%100
121	GSI-4A	Z	-.003	-.003	0	%100
122	GSI-5	Z	-.005	-.005	0	%100
123	GSI-5A	Z	-.006	-.006	0	%100
124	GSI-6	Z	-.004	-.004	0	%100
125	GSI-7	Z	-.004	-.004	0	%100
126	GSI-7A	Z	-.003	-.003	0	%100
127	GSI-8	Z	-.005	-.005	0	%100
128	GSI-8A	Z	-.005	-.005	0	%100
129	GSI-9	Z	-.004	-.004	0	%100
130	INT-1	Z	0	0	0	%100
131	INT-2	Z	-.004	-.004	0	%100
132	INT-3	Z	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
133	INT-4	Z	-.005	-.005	0	%100
134	INT-5	Z	-.004	-.004	0	%100
135	INT-6	Z	0	0	0	%100
136	INT-7	Z	0	0	0	%100
137	INT-8	Z	-.004	-.004	0	%100
138	INT-9	Z	-.004	-.004	0	%100
139	INT-10	Z	-.004	-.004	0	%100
140	INT-11	Z	-.005	-.005	0	%100
141	INT-12	Z	0	0	0	%100
142	MP-1	Z	-.005	-.005	0	%100
143	MP-2	Z	-.005	-.005	0	%100
144	MP-3	Z	-.005	-.005	0	%100
145	MP-4	Z	-.005	-.005	0	%100
146	MP-5	Z	-.005	-.005	0	%100
147	MP-6	Z	-.005	-.005	0	%100
148	MP-7	Z	-.005	-.005	0	%100
149	MP-8	Z	-.005	-.005	0	%100
150	MP-9	Z	-.005	-.005	0	%100
151	MP-10	Z	-.005	-.005	0	%100
152	MP-11	Z	-.005	-.005	0	%100
153	MP-12	Z	-.005	-.005	0	%100
154	ST1-V1	Z	-.005	-.005	0	%100
155	ST1-V2	Z	-.005	-.005	0	%100
156	ST2-V1	Z	-.005	-.005	0	%100
157	ST2-V2	Z	-.005	-.005	0	%100
158	ST3-V1	Z	-.005	-.005	0	%100
159	ST3-V2	Z	-.005	-.005	0	%100
160	STAB-1B	Z	-.004	-.004	0	%100
161	STAB-1U	Z	-.004	-.004	0	%100
162	STAB-2B	Z	-.001	-.001	0	%100
163	STAB-2U	Z	-.001	-.001	0	%100
164	STAB-3B	Z	-.002	-.002	0	%100
165	STAB-3U	Z	-.002	-.002	0	%100
166	ST1-H1	Z	-.002	-.002	0	%100
167	ST1-H2	Z	-.002	-.002	0	%100
168	ST2-H1	Z	-.001	-.001	0	%100
169	ST2-H2	Z	-.001	-.001	0	%100
170	ST3-H1	Z	-.003	-.003	0	%100
171	ST3-H2	Z	-.003	-.003	0	%100
172	M147A	Z	-.001	-.001	0	%100
173	M167	Z	-.001	-.001	0	%100
174	ST1-D1	Z	-.001	-.001	0	%100
175	SA-1	Z	0	0	0	%100
176	SA-2	Z	-.006	-.006	0	%100
177	SA-3	Z	-.006	-.006	0	%100
178	SA-4	Z	0	0	0	%100
179	SA-5	Z	-.006	-.006	0	%100
180	SA-6	Z	-.006	-.006	0	%100
181	SA-1B	Z	0	0	0	%100
182	SA-2B	Z	-.008	-.008	0	%100
183	SA-3B	Z	-.008	-.008	0	%100
184	SA-4B	Z	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
185	SA-5B	Z	-.008	-.008	0	%100
186	SA-6B	Z	-.008	-.008	0	%100
187	SR-1	Z	-.004	-.004	0	%100
188	SR-2	Z	-.004	-.004	0	%100
189	SR-3	Z	0	0	0	%100
190	SRC-1	Z	0	0	0	%100
191	SRC-2	Z	-.005	-.005	0	%100
192	SRC-3	Z	-.005	-.005	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	EC-1	X	.01	.01	0	%100
2	EC-2	X	.019	.019	0	%100
3	EC-3	X	.01	.01	0	%100
4	FFTH-1	X	.019	.019	0	%100
5	FFTH-2	X	.01	.01	0	%100
6	FFTH-3	X	.01	.01	0	%100
7	GS-1	X	.012	.012	0	%100
8	GS-2	X	.012	.012	0	%100
9	GS-3	X	.012	.012	0	%100
10	GS-4	X	.01	.01	0	%100
11	GS-5	X	.005	.005	0	%100
12	GS-6	X	.005	.005	0	%100
13	GS-7	X	.005	.005	0	%100
14	GS-8	X	.004	.004	0	%100
15	GS-9	X	.005	.005	0	%100
16	GS-10	X	.005	.005	0	%100
17	GS-11	X	.005	.005	0	%100
18	GS-12	X	.004	.004	0	%100
19	GSI-1	X	.004	.004	0	%100
20	GSI-1A	X	.004	.004	0	%100
21	GSI-2	X	.005	.005	0	%100
22	GSI-2A	X	.005	.005	0	%100
23	GSI-3	X	.004	.004	0	%100
24	GSI-4	X	.01	.01	0	%100
25	GSI-4A	X	.008	.008	0	%100
26	GSI-5	X	.013	.013	0	%100
27	GSI-5A	X	.013	.013	0	%100
28	GSI-6	X	.01	.01	0	%100
29	GSI-7	X	.004	.004	0	%100
30	GSI-7A	X	.004	.004	0	%100
31	GSI-8	X	.005	.005	0	%100
32	GSI-8A	X	.005	.005	0	%100
33	GSI-9	X	.004	.004	0	%100
34	INT-1	X	.004	.004	0	%100
35	INT-2	X	.004	.004	0	%100
36	INT-3	X	.005	.005	0	%100
37	INT-4	X	.011	.011	0	%100
38	INT-5	X	.01	.01	0	%100
39	INT-6	X	.004	.004	0	%100
40	INT-7	X	.005	.005	0	%100

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,%]
41	INT-8	X	.005	.005	0	%100
42	INT-9	X	.004	.004	0	%100
43	INT-10	X	.01	.01	0	%100
44	INT-11	X	.011	.011	0	%100
45	INT-12	X	.005	.005	0	%100
46	MP-1	X	.009	.009	0	%100
47	MP-2	X	.009	.009	0	%100
48	MP-3	X	.009	.009	0	%100
49	MP-4	X	.009	.009	0	%100
50	MP-5	X	.009	.009	0	%100
51	MP-6	X	.009	.009	0	%100
52	MP-7	X	.009	.009	0	%100
53	MP-8	X	.009	.009	0	%100
54	MP-9	X	.009	.009	0	%100
55	MP-10	X	.009	.009	0	%100
56	MP-11	X	.009	.009	0	%100
57	MP-12	X	.009	.009	0	%100
58	ST1-V1	X	.009	.009	0	%100
59	ST1-V2	X	.009	.009	0	%100
60	ST2-V1	X	.009	.009	0	%100
61	ST2-V2	X	.009	.009	0	%100
62	ST3-V1	X	.009	.009	0	%100
63	ST3-V2	X	.009	.009	0	%100
64	STAB-1B	X	.006	.006	0	%100
65	STAB-1U	X	.006	.006	0	%100
66	STAB-2B	X	.000931	.000931	0	%100
67	STAB-2U	X	.000931	.000931	0	%100
68	STAB-3B	X	.008	.008	0	%100
69	STAB-3U	X	.008	.008	0	%100
70	ST1-H1	X	0	0	0	%100
71	ST1-H2	X	0	0	0	%100
72	ST2-H1	X	.005	.005	0	%100
73	ST2-H2	X	.005	.005	0	%100
74	ST3-H1	X	.005	.005	0	%100
75	ST3-H2	X	.005	.005	0	%100
76	M147A	X	.003	.003	0	%100
77	M167	X	.003	.003	0	%100
78	ST1-D1	X	.003	.003	0	%100
79	SA-1	X	.007	.007	0	%100
80	SA-2	X	.007	.007	0	%100
81	SA-3	X	.014	.014	0	%100
82	SA-4	X	.007	.007	0	%100
83	SA-5	X	.007	.007	0	%100
84	SA-6	X	.014	.014	0	%100
85	SA-1B	X	.008	.008	0	%100
86	SA-2B	X	.008	.008	0	%100
87	SA-3B	X	.019	.019	0	%100
88	SA-4B	X	.008	.008	0	%100
89	SA-5B	X	.008	.008	0	%100
90	SA-6B	X	.019	.019	0	%100
91	SR-1	X	.009	.009	0	%100
92	SR-2	X	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
93	SR-3	X	.005	.005	0	%100
94	SRC-1	X	.005	.005	0	%100
95	SRC-2	X	.011	.011	0	%100
96	SRC-3	X	.005	.005	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	EC-1	X	.014	.014	0	%100
2	EC-2	X	.014	.014	0	%100
3	EC-3	X	0	0	0	%100
4	FFTH-1	X	.014	.014	0	%100
5	FFTH-2	X	0	0	0	%100
6	FFTH-3	X	.014	.014	0	%100
7	GS-1	X	.009	.009	0	%100
8	GS-2	X	.009	.009	0	%100
9	GS-3	X	.009	.009	0	%100
10	GS-4	X	.007	.007	0	%100
11	GS-5	X	0	0	0	%100
12	GS-6	X	0	0	0	%100
13	GS-7	X	0	0	0	%100
14	GS-8	X	0	0	0	%100
15	GS-9	X	.007	.007	0	%100
16	GS-10	X	.007	.007	0	%100
17	GS-11	X	.007	.007	0	%100
18	GS-12	X	.006	.006	0	%100
19	GSI-1	X	.007	.007	0	%100
20	GSI-1A	X	.006	.006	0	%100
21	GSI-2	X	.008	.008	0	%100
22	GSI-2A	X	.008	.008	0	%100
23	GSI-3	X	.006	.006	0	%100
24	GSI-4	X	.008	.008	0	%100
25	GSI-4A	X	.006	.006	0	%100
26	GSI-5	X	.009	.009	0	%100
27	GSI-5A	X	.01	.01	0	%100
28	GSI-6	X	.007	.007	0	%100
29	GSI-7	X	0	0	0	%100
30	GSI-7A	X	0	0	0	%100
31	GSI-8	X	0	0	0	%100
32	GSI-8A	X	0	0	0	%100
33	GSI-9	X	0	0	0	%100
34	INT-1	X	.006	.006	0	%100
35	INT-2	X	0	0	0	%100
36	INT-3	X	0	0	0	%100
37	INT-4	X	.008	.008	0	%100
38	INT-5	X	.007	.007	0	%100
39	INT-6	X	.006	.006	0	%100
40	INT-7	X	.007	.007	0	%100
41	INT-8	X	0	0	0	%100
42	INT-9	X	0	0	0	%100
43	INT-10	X	.007	.007	0	%100
44	INT-11	X	.008	.008	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	INT-12	X	.007	.007	0	%100
46	MP-1	X	.008	.008	0	%100
47	MP-2	X	.008	.008	0	%100
48	MP-3	X	.008	.008	0	%100
49	MP-4	X	.008	.008	0	%100
50	MP-5	X	.008	.008	0	%100
51	MP-6	X	.008	.008	0	%100
52	MP-7	X	.008	.008	0	%100
53	MP-8	X	.008	.008	0	%100
54	MP-9	X	.008	.008	0	%100
55	MP-10	X	.008	.008	0	%100
56	MP-11	X	.008	.008	0	%100
57	MP-12	X	.008	.008	0	%100
58	ST1-V1	X	.008	.008	0	%100
59	ST1-V2	X	.008	.008	0	%100
60	ST2-V1	X	.008	.008	0	%100
61	ST2-V2	X	.008	.008	0	%100
62	ST3-V1	X	.008	.008	0	%100
63	ST3-V2	X	.008	.008	0	%100
64	STAB-1B	X	.002	.002	0	%100
65	STAB-1U	X	.002	.002	0	%100
66	STAB-2B	X	.003	.003	0	%100
67	STAB-2U	X	.003	.003	0	%100
68	STAB-3B	X	.007	.007	0	%100
69	STAB-3U	X	.007	.007	0	%100
70	ST1-H1	X	.002	.002	0	%100
71	ST1-H2	X	.002	.002	0	%100
72	ST2-H1	X	.005	.005	0	%100
73	ST2-H2	X	.005	.005	0	%100
74	ST3-H1	X	.003	.003	0	%100
75	ST3-H2	X	.003	.003	0	%100
76	M147A	X	.003	.003	0	%100
77	M167	X	.003	.003	0	%100
78	ST1-D1	X	.003	.003	0	%100
79	SA-1	X	.01	.01	0	%100
80	SA-2	X	0	0	0	%100
81	SA-3	X	.01	.01	0	%100
82	SA-4	X	.01	.01	0	%100
83	SA-5	X	0	0	0	%100
84	SA-6	X	.01	.01	0	%100
85	SA-1B	X	.012	.012	0	%100
86	SA-2B	X	0	0	0	%100
87	SA-3B	X	.014	.014	0	%100
88	SA-4B	X	.012	.012	0	%100
89	SA-5B	X	0	0	0	%100
90	SA-6B	X	.014	.014	0	%100
91	SR-1	X	.007	.007	0	%100
92	SR-2	X	0	0	0	%100
93	SR-3	X	.007	.007	0	%100
94	SRC-1	X	.007	.007	0	%100
95	SRC-2	X	.008	.008	0	%100
96	SRC-3	X	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
97	EC-1	Z	.008	.008	0	%100
98	EC-2	Z	.008	.008	0	%100
99	EC-3	Z	0	0	0	%100
100	FFTH-1	Z	.008	.008	0	%100
101	FFTH-2	Z	0	0	0	%100
102	FFTH-3	Z	.008	.008	0	%100
103	GS-1	Z	.005	.005	0	%100
104	GS-2	Z	.005	.005	0	%100
105	GS-3	Z	.005	.005	0	%100
106	GS-4	Z	.004	.004	0	%100
107	GS-5	Z	0	0	0	%100
108	GS-6	Z	0	0	0	%100
109	GS-7	Z	0	0	0	%100
110	GS-8	Z	0	0	0	%100
111	GS-9	Z	.005	.005	0	%100
112	GS-10	Z	.005	.005	0	%100
113	GS-11	Z	.005	.005	0	%100
114	GS-12	Z	.004	.004	0	%100
115	GSI-1	Z	.004	.004	0	%100
116	GSI-1A	Z	.003	.003	0	%100
117	GSI-2	Z	.005	.005	0	%100
118	GSI-2A	Z	.005	.005	0	%100
119	GSI-3	Z	.004	.004	0	%100
120	GSI-4	Z	.004	.004	0	%100
121	GSI-4A	Z	.003	.003	0	%100
122	GSI-5	Z	.005	.005	0	%100
123	GSI-5A	Z	.006	.006	0	%100
124	GSI-6	Z	.004	.004	0	%100
125	GSI-7	Z	0	0	0	%100
126	GSI-7A	Z	0	0	0	%100
127	GSI-8	Z	0	0	0	%100
128	GSI-8A	Z	0	0	0	%100
129	GSI-9	Z	0	0	0	%100
130	INT-1	Z	.004	.004	0	%100
131	INT-2	Z	0	0	0	%100
132	INT-3	Z	0	0	0	%100
133	INT-4	Z	.005	.005	0	%100
134	INT-5	Z	.004	.004	0	%100
135	INT-6	Z	.004	.004	0	%100
136	INT-7	Z	.004	.004	0	%100
137	INT-8	Z	0	0	0	%100
138	INT-9	Z	0	0	0	%100
139	INT-10	Z	.004	.004	0	%100
140	INT-11	Z	.005	.005	0	%100
141	INT-12	Z	.004	.004	0	%100
142	MP-1	Z	.005	.005	0	%100
143	MP-2	Z	.005	.005	0	%100
144	MP-3	Z	.005	.005	0	%100
145	MP-4	Z	.005	.005	0	%100
146	MP-5	Z	.005	.005	0	%100
147	MP-6	Z	.005	.005	0	%100
148	MP-7	Z	.005	.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
149	MP-8	Z	.005	.005	0	%100
150	MP-9	Z	.005	.005	0	%100
151	MP-10	Z	.005	.005	0	%100
152	MP-11	Z	.005	.005	0	%100
153	MP-12	Z	.005	.005	0	%100
154	ST1-V1	Z	.005	.005	0	%100
155	ST1-V2	Z	.005	.005	0	%100
156	ST2-V1	Z	.005	.005	0	%100
157	ST2-V2	Z	.005	.005	0	%100
158	ST3-V1	Z	.005	.005	0	%100
159	ST3-V2	Z	.005	.005	0	%100
160	STAB-1B	Z	.001	.001	0	%100
161	STAB-1U	Z	.001	.001	0	%100
162	STAB-2B	Z	.003	.003	0	%100
163	STAB-2U	Z	.003	.003	0	%100
164	STAB-3B	Z	.003	.003	0	%100
165	STAB-3U	Z	.003	.003	0	%100
166	ST1-H1	Z	.002	.002	0	%100
167	ST1-H2	Z	.002	.002	0	%100
168	ST2-H1	Z	.003	.003	0	%100
169	ST2-H2	Z	.003	.003	0	%100
170	ST3-H1	Z	.001	.001	0	%100
171	ST3-H2	Z	.001	.001	0	%100
172	M147A	Z	.001	.001	0	%100
173	M167	Z	.001	.001	0	%100
174	ST1-D1	Z	.001	.001	0	%100
175	SA-1	Z	.006	.006	0	%100
176	SA-2	Z	0	0	0	%100
177	SA-3	Z	.006	.006	0	%100
178	SA-4	Z	.006	.006	0	%100
179	SA-5	Z	0	0	0	%100
180	SA-6	Z	.006	.006	0	%100
181	SA-1B	Z	.008	.008	0	%100
182	SA-2B	Z	0	0	0	%100
183	SA-3B	Z	.008	.008	0	%100
184	SA-4B	Z	.008	.008	0	%100
185	SA-5B	Z	0	0	0	%100
186	SA-6B	Z	.008	.008	0	%100
187	SR-1	Z	.004	.004	0	%100
188	SR-2	Z	0	0	0	%100
189	SR-3	Z	.004	.004	0	%100
190	SRC-1	Z	.005	.005	0	%100
191	SRC-2	Z	.005	.005	0	%100
192	SRC-3	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	EC-1	X	.013	.013	0	%100
2	EC-2	X	.01	.01	0	%100
3	EC-3	X	.004	.004	0	%100
4	FFTH-1	X	.01	.01	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
5	FFTH-2	X	.004	.004	0	%100
6	FFTH-3	X	.013	.013	0	%100
7	GS-1	X	.006	.006	0	%100
8	GS-2	X	.006	.006	0	%100
9	GS-3	X	.006	.006	0	%100
10	GS-4	X	.005	.005	0	%100
11	GS-5	X	.002	.002	0	%100
12	GS-6	X	.002	.002	0	%100
13	GS-7	X	.002	.002	0	%100
14	GS-8	X	.002	.002	0	%100
15	GS-9	X	.007	.007	0	%100
16	GS-10	X	.007	.007	0	%100
17	GS-11	X	.007	.007	0	%100
18	GS-12	X	.006	.006	0	%100
19	GSI-1	X	.006	.006	0	%100
20	GSI-1A	X	.005	.005	0	%100
21	GSI-2	X	.007	.007	0	%100
22	GSI-2A	X	.007	.007	0	%100
23	GSI-3	X	.006	.006	0	%100
24	GSI-4	X	.005	.005	0	%100
25	GSI-4A	X	.004	.004	0	%100
26	GSI-5	X	.006	.006	0	%100
27	GSI-5A	X	.006	.006	0	%100
28	GSI-6	X	.005	.005	0	%100
29	GSI-7	X	.002	.002	0	%100
30	GSI-7A	X	.001	.001	0	%100
31	GSI-8	X	.002	.002	0	%100
32	GSI-8A	X	.002	.002	0	%100
33	GSI-9	X	.002	.002	0	%100
34	INT-1	X	.006	.006	0	%100
35	INT-2	X	.002	.002	0	%100
36	INT-3	X	.002	.002	0	%100
37	INT-4	X	.005	.005	0	%100
38	INT-5	X	.005	.005	0	%100
39	INT-6	X	.006	.006	0	%100
40	INT-7	X	.006	.006	0	%100
41	INT-8	X	.002	.002	0	%100
42	INT-9	X	.002	.002	0	%100
43	INT-10	X	.005	.005	0	%100
44	INT-11	X	.005	.005	0	%100
45	INT-12	X	.006	.006	0	%100
46	MP-1	X	.006	.006	0	%100
47	MP-2	X	.006	.006	0	%100
48	MP-3	X	.006	.006	0	%100
49	MP-4	X	.006	.006	0	%100
50	MP-5	X	.006	.006	0	%100
51	MP-6	X	.006	.006	0	%100
52	MP-7	X	.006	.006	0	%100
53	MP-8	X	.006	.006	0	%100
54	MP-9	X	.006	.006	0	%100
55	MP-10	X	.006	.006	0	%100
56	MP-11	X	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	MP-12	X	.006	.006	0	%100
58	ST1-V1	X	.006	.006	0	%100
59	ST1-V2	X	.006	.006	0	%100
60	ST2-V1	X	.006	.006	0	%100
61	ST2-V2	X	.006	.006	0	%100
62	ST3-V1	X	.006	.006	0	%100
63	ST3-V2	X	.006	.006	0	%100
64	STAB-1B	X	.000491	.000491	0	%100
65	STAB-1U	X	.000491	.000491	0	%100
66	STAB-2B	X	.003	.003	0	%100
67	STAB-2U	X	.003	.003	0	%100
68	STAB-3B	X	.005	.005	0	%100
69	STAB-3U	X	.005	.005	0	%100
70	ST1-H1	X	.003	.003	0	%100
71	ST1-H2	X	.003	.003	0	%100
72	ST2-H1	X	.004	.004	0	%100
73	ST2-H2	X	.004	.004	0	%100
74	ST3-H1	X	.001	.001	0	%100
75	ST3-H2	X	.001	.001	0	%100
76	M147A	X	.002	.002	0	%100
77	M167	X	.002	.002	0	%100
78	ST1-D1	X	.002	.002	0	%100
79	SA-1	X	.009	.009	0	%100
80	SA-2	X	.002	.002	0	%100
81	SA-3	X	.007	.007	0	%100
82	SA-4	X	.009	.009	0	%100
83	SA-5	X	.002	.002	0	%100
84	SA-6	X	.007	.007	0	%100
85	SA-1B	X	.011	.011	0	%100
86	SA-2B	X	.003	.003	0	%100
87	SA-3B	X	.009	.009	0	%100
88	SA-4B	X	.011	.011	0	%100
89	SA-5B	X	.003	.003	0	%100
90	SA-6B	X	.009	.009	0	%100
91	SR-1	X	.005	.005	0	%100
92	SR-2	X	.002	.002	0	%100
93	SR-3	X	.006	.006	0	%100
94	SRC-1	X	.007	.007	0	%100
95	SRC-2	X	.005	.005	0	%100
96	SRC-3	X	.002	.002	0	%100
97	EC-1	Z	.013	.013	0	%100
98	EC-2	Z	.01	.01	0	%100
99	EC-3	Z	.004	.004	0	%100
100	FFTH-1	Z	.01	.01	0	%100
101	FFTH-2	Z	.004	.004	0	%100
102	FFTH-3	Z	.013	.013	0	%100
103	GS-1	Z	.006	.006	0	%100
104	GS-2	Z	.006	.006	0	%100
105	GS-3	Z	.006	.006	0	%100
106	GS-4	Z	.005	.005	0	%100
107	GS-5	Z	.002	.002	0	%100
108	GS-6	Z	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
109	GS-7	Z	.002	.002	0	%100
110	GS-8	Z	.002	.002	0	%100
111	GS-9	Z	.008	.008	0	%100
112	GS-10	Z	.008	.008	0	%100
113	GS-11	Z	.008	.008	0	%100
114	GS-12	Z	.007	.007	0	%100
115	GSI-1	Z	.007	.007	0	%100
116	GSI-1A	Z	.005	.005	0	%100
117	GSI-2	Z	.008	.008	0	%100
118	GSI-2A	Z	.008	.008	0	%100
119	GSI-3	Z	.007	.007	0	%100
120	GSI-4	Z	.005	.005	0	%100
121	GSI-4A	Z	.004	.004	0	%100
122	GSI-5	Z	.006	.006	0	%100
123	GSI-5A	Z	.006	.006	0	%100
124	GSI-6	Z	.005	.005	0	%100
125	GSI-7	Z	.002	.002	0	%100
126	GSI-7A	Z	.001	.001	0	%100
127	GSI-8	Z	.002	.002	0	%100
128	GSI-8A	Z	.002	.002	0	%100
129	GSI-9	Z	.002	.002	0	%100
130	INT-1	Z	.007	.007	0	%100
131	INT-2	Z	.002	.002	0	%100
132	INT-3	Z	.002	.002	0	%100
133	INT-4	Z	.005	.005	0	%100
134	INT-5	Z	.005	.005	0	%100
135	INT-6	Z	.007	.007	0	%100
136	INT-7	Z	.007	.007	0	%100
137	INT-8	Z	.002	.002	0	%100
138	INT-9	Z	.002	.002	0	%100
139	INT-10	Z	.005	.005	0	%100
140	INT-11	Z	.005	.005	0	%100
141	INT-12	Z	.007	.007	0	%100
142	MP-1	Z	.006	.006	0	%100
143	MP-2	Z	.006	.006	0	%100
144	MP-3	Z	.006	.006	0	%100
145	MP-4	Z	.006	.006	0	%100
146	MP-5	Z	.006	.006	0	%100
147	MP-6	Z	.006	.006	0	%100
148	MP-7	Z	.006	.006	0	%100
149	MP-8	Z	.006	.006	0	%100
150	MP-9	Z	.006	.006	0	%100
151	MP-10	Z	.006	.006	0	%100
152	MP-11	Z	.006	.006	0	%100
153	MP-12	Z	.006	.006	0	%100
154	ST1-V1	Z	.006	.006	0	%100
155	ST1-V2	Z	.006	.006	0	%100
156	ST2-V1	Z	.006	.006	0	%100
157	ST2-V2	Z	.006	.006	0	%100
158	ST3-V1	Z	.006	.006	0	%100
159	ST3-V2	Z	.006	.006	0	%100
160	STAB-1B	Z	.000462	.000462	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
161	STAB-1U	Z	.000462	.000462	0	%100
162	STAB-2B	Z	.005	.005	0	%100
163	STAB-2U	Z	.005	.005	0	%100
164	STAB-3B	Z	.004	.004	0	%100
165	STAB-3U	Z	.004	.004	0	%100
166	ST1-H1	Z	.003	.003	0	%100
167	ST1-H2	Z	.003	.003	0	%100
168	ST2-H1	Z	.004	.004	0	%100
169	ST2-H2	Z	.004	.004	0	%100
170	ST3-H1	Z	.001	.001	0	%100
171	ST3-H2	Z	.001	.001	0	%100
172	M147A	Z	.002	.002	0	%100
173	M167	Z	.002	.002	0	%100
174	ST1-D1	Z	.002	.002	0	%100
175	SA-1	Z	.009	.009	0	%100
176	SA-2	Z	.002	.002	0	%100
177	SA-3	Z	.007	.007	0	%100
178	SA-4	Z	.009	.009	0	%100
179	SA-5	Z	.002	.002	0	%100
180	SA-6	Z	.007	.007	0	%100
181	SA-1B	Z	.012	.012	0	%100
182	SA-2B	Z	.003	.003	0	%100
183	SA-3B	Z	.009	.009	0	%100
184	SA-4B	Z	.012	.012	0	%100
185	SA-5B	Z	.003	.003	0	%100
186	SA-6B	Z	.009	.009	0	%100
187	SR-1	Z	.005	.005	0	%100
188	SR-2	Z	.002	.002	0	%100
189	SR-3	Z	.006	.006	0	%100
190	SRC-1	Z	.007	.007	0	%100
191	SRC-2	Z	.005	.005	0	%100
192	SRC-3	Z	.002	.002	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	EC-1	X	.01	.01	0	%100
2	EC-2	X	.005	.005	0	%100
3	EC-3	X	.005	.005	0	%100
4	FFTH-1	X	.005	.005	0	%100
5	FFTH-2	X	.005	.005	0	%100
6	FFTH-3	X	.01	.01	0	%100
7	GS-1	X	.003	.003	0	%100
8	GS-2	X	.003	.003	0	%100
9	GS-3	X	.003	.003	0	%100
10	GS-4	X	.002	.002	0	%100
11	GS-5	X	.002	.002	0	%100
12	GS-6	X	.002	.002	0	%100
13	GS-7	X	.002	.002	0	%100
14	GS-8	X	.002	.002	0	%100
15	GS-9	X	.005	.005	0	%100
16	GS-10	X	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
17	GS-11	X	.005	.005	0	%100
18	GS-12	X	.004	.004	0	%100
19	GSI-1	X	.004	.004	0	%100
20	GSI-1A	X	.004	.004	0	%100
21	GSI-2	X	.005	.005	0	%100
22	GSI-2A	X	.005	.005	0	%100
23	GSI-3	X	.004	.004	0	%100
24	GSI-4	X	.003	.003	0	%100
25	GSI-4A	X	.002	.002	0	%100
26	GSI-5	X	.003	.003	0	%100
27	GSI-5A	X	.003	.003	0	%100
28	GSI-6	X	.002	.002	0	%100
29	GSI-7	X	.002	.002	0	%100
30	GSI-7A	X	.002	.002	0	%100
31	GSI-8	X	.003	.003	0	%100
32	GSI-8A	X	.003	.003	0	%100
33	GSI-9	X	.002	.002	0	%100
34	INT-1	X	.004	.004	0	%100
35	INT-2	X	.002	.002	0	%100
36	INT-3	X	.002	.002	0	%100
37	INT-4	X	.003	.003	0	%100
38	INT-5	X	.002	.002	0	%100
39	INT-6	X	.004	.004	0	%100
40	INT-7	X	.005	.005	0	%100
41	INT-8	X	.002	.002	0	%100
42	INT-9	X	.002	.002	0	%100
43	INT-10	X	.002	.002	0	%100
44	INT-11	X	.003	.003	0	%100
45	INT-12	X	.005	.005	0	%100
46	MP-1	X	.005	.005	0	%100
47	MP-2	X	.005	.005	0	%100
48	MP-3	X	.005	.005	0	%100
49	MP-4	X	.005	.005	0	%100
50	MP-5	X	.005	.005	0	%100
51	MP-6	X	.005	.005	0	%100
52	MP-7	X	.005	.005	0	%100
53	MP-8	X	.005	.005	0	%100
54	MP-9	X	.005	.005	0	%100
55	MP-10	X	.005	.005	0	%100
56	MP-11	X	.005	.005	0	%100
57	MP-12	X	.005	.005	0	%100
58	ST1-V1	X	.005	.005	0	%100
59	ST1-V2	X	.005	.005	0	%100
60	ST2-V1	X	.005	.005	0	%100
61	ST2-V2	X	.005	.005	0	%100
62	ST3-V1	X	.005	.005	0	%100
63	ST3-V2	X	.005	.005	0	%100
64	STAB-1B	X	.000639	.000639	0	%100
65	STAB-1U	X	.000639	.000639	0	%100
66	STAB-2B	X	.003	.003	0	%100
67	STAB-2U	X	.003	.003	0	%100
68	STAB-3B	X	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	STAB-3U	X	.003	.003	0	%100
70	ST1-H1	X	.002	.002	0	%100
71	ST1-H2	X	.002	.002	0	%100
72	ST2-H1	X	.003	.003	0	%100
73	ST2-H2	X	.003	.003	0	%100
74	ST3-H1	X	0	0	0	%100
75	ST3-H2	X	0	0	0	%100
76	M147A	X	.001	.001	0	%100
77	M167	X	.001	.001	0	%100
78	ST1-D1	X	.001	.001	0	%100
79	SA-1	X	.007	.007	0	%100
80	SA-2	X	.003	.003	0	%100
81	SA-3	X	.003	.003	0	%100
82	SA-4	X	.007	.007	0	%100
83	SA-5	X	.003	.003	0	%100
84	SA-6	X	.003	.003	0	%100
85	SA-1B	X	.008	.008	0	%100
86	SA-2B	X	.004	.004	0	%100
87	SA-3B	X	.005	.005	0	%100
88	SA-4B	X	.008	.008	0	%100
89	SA-5B	X	.004	.004	0	%100
90	SA-6B	X	.005	.005	0	%100
91	SR-1	X	.002	.002	0	%100
92	SR-2	X	.002	.002	0	%100
93	SR-3	X	.005	.005	0	%100
94	SRC-1	X	.005	.005	0	%100
95	SRC-2	X	.003	.003	0	%100
96	SRC-3	X	.002	.002	0	%100
97	EC-1	Z	.017	.017	0	%100
98	EC-2	Z	.008	.008	0	%100
99	EC-3	Z	.008	.008	0	%100
100	FFTH-1	Z	.008	.008	0	%100
101	FFTH-2	Z	.008	.008	0	%100
102	FFTH-3	Z	.017	.017	0	%100
103	GS-1	Z	.005	.005	0	%100
104	GS-2	Z	.005	.005	0	%100
105	GS-3	Z	.005	.005	0	%100
106	GS-4	Z	.004	.004	0	%100
107	GS-5	Z	.005	.005	0	%100
108	GS-6	Z	.005	.005	0	%100
109	GS-7	Z	.005	.005	0	%100
110	GS-8	Z	.004	.004	0	%100
111	GS-9	Z	.01	.01	0	%100
112	GS-10	Z	.01	.01	0	%100
113	GS-11	Z	.01	.01	0	%100
114	GS-12	Z	.008	.008	0	%100
115	GSI-1	Z	.008	.008	0	%100
116	GSI-1A	Z	.007	.007	0	%100
117	GSI-2	Z	.01	.01	0	%100
118	GSI-2A	Z	.011	.011	0	%100
119	GSI-3	Z	.008	.008	0	%100
120	GSI-4	Z	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
121	GSI-4A	Z	.003	.003	0	%100
122	GSI-5	Z	.005	.005	0	%100
123	GSI-5A	Z	.006	.006	0	%100
124	GSI-6	Z	.004	.004	0	%100
125	GSI-7	Z	.004	.004	0	%100
126	GSI-7A	Z	.003	.003	0	%100
127	GSI-8	Z	.005	.005	0	%100
128	GSI-8A	Z	.005	.005	0	%100
129	GSI-9	Z	.004	.004	0	%100
130	INT-1	Z	.008	.008	0	%100
131	INT-2	Z	.004	.004	0	%100
132	INT-3	Z	.004	.004	0	%100
133	INT-4	Z	.005	.005	0	%100
134	INT-5	Z	.004	.004	0	%100
135	INT-6	Z	.008	.008	0	%100
136	INT-7	Z	.009	.009	0	%100
137	INT-8	Z	.004	.004	0	%100
138	INT-9	Z	.004	.004	0	%100
139	INT-10	Z	.004	.004	0	%100
140	INT-11	Z	.005	.005	0	%100
141	INT-12	Z	.009	.009	0	%100
142	MP-1	Z	.008	.008	0	%100
143	MP-2	Z	.008	.008	0	%100
144	MP-3	Z	.008	.008	0	%100
145	MP-4	Z	.008	.008	0	%100
146	MP-5	Z	.008	.008	0	%100
147	MP-6	Z	.008	.008	0	%100
148	MP-7	Z	.008	.008	0	%100
149	MP-8	Z	.008	.008	0	%100
150	MP-9	Z	.008	.008	0	%100
151	MP-10	Z	.008	.008	0	%100
152	MP-11	Z	.008	.008	0	%100
153	MP-12	Z	.008	.008	0	%100
154	ST1-V1	Z	.008	.008	0	%100
155	ST1-V2	Z	.008	.008	0	%100
156	ST2-V1	Z	.008	.008	0	%100
157	ST2-V2	Z	.008	.008	0	%100
158	ST3-V1	Z	.008	.008	0	%100
159	ST3-V2	Z	.008	.008	0	%100
160	STAB-1B	Z	.001	.001	0	%100
161	STAB-1U	Z	.001	.001	0	%100
162	STAB-2B	Z	.007	.007	0	%100
163	STAB-2U	Z	.007	.007	0	%100
164	STAB-3B	Z	.004	.004	0	%100
165	STAB-3U	Z	.004	.004	0	%100
166	ST1-H1	Z	.005	.005	0	%100
167	ST1-H2	Z	.005	.005	0	%100
168	ST2-H1	Z	.004	.004	0	%100
169	ST2-H2	Z	.004	.004	0	%100
170	ST3-H1	Z	0	0	0	%100
171	ST3-H2	Z	0	0	0	%100
172	M147A	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
173	M167	Z	.003	.003	0	%100
174	ST1-D1	Z	.003	.003	0	%100
175	SA-1	Z	.012	.012	0	%100
176	SA-2	Z	.006	.006	0	%100
177	SA-3	Z	.006	.006	0	%100
178	SA-4	Z	.012	.012	0	%100
179	SA-5	Z	.006	.006	0	%100
180	SA-6	Z	.006	.006	0	%100
181	SA-1B	Z	.016	.016	0	%100
182	SA-2B	Z	.008	.008	0	%100
183	SA-3B	Z	.008	.008	0	%100
184	SA-4B	Z	.016	.016	0	%100
185	SA-5B	Z	.008	.008	0	%100
186	SA-6B	Z	.008	.008	0	%100
187	SR-1	Z	.004	.004	0	%100
188	SR-2	Z	.004	.004	0	%100
189	SR-3	Z	.008	.008	0	%100
190	SRC-1	Z	.009	.009	0	%100
191	SRC-2	Z	.005	.005	0	%100
192	SRC-3	Z	.005	.005	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	EC-1	Z	.017	.017	0	%100
2	EC-2	Z	0	0	0	%100
3	EC-3	Z	.017	.017	0	%100
4	FFTH-1	Z	0	0	0	%100
5	FFTH-2	Z	.017	.017	0	%100
6	FFTH-3	Z	.017	.017	0	%100
7	GS-1	Z	0	0	0	%100
8	GS-2	Z	0	0	0	%100
9	GS-3	Z	0	0	0	%100
10	GS-4	Z	0	0	0	%100
11	GS-5	Z	.01	.01	0	%100
12	GS-6	Z	.01	.01	0	%100
13	GS-7	Z	.01	.01	0	%100
14	GS-8	Z	.008	.008	0	%100
15	GS-9	Z	.01	.01	0	%100
16	GS-10	Z	.01	.01	0	%100
17	GS-11	Z	.01	.01	0	%100
18	GS-12	Z	.008	.008	0	%100
19	GSI-1	Z	.008	.008	0	%100
20	GSI-1A	Z	.007	.007	0	%100
21	GSI-2	Z	.01	.01	0	%100
22	GSI-2A	Z	.011	.011	0	%100
23	GSI-3	Z	.008	.008	0	%100
24	GSI-4	Z	0	0	0	%100
25	GSI-4A	Z	0	0	0	%100
26	GSI-5	Z	0	0	0	%100
27	GSI-5A	Z	0	0	0	%100
28	GSI-6	Z	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
29	GSI-7	Z	.008	.008	0	%100
30	GSI-7A	Z	.007	.007	0	%100
31	GSI-8	Z	.01	.01	0	%100
32	GSI-8A	Z	.011	.011	0	%100
33	GSI-9	Z	.008	.008	0	%100
34	INT-1	Z	.008	.008	0	%100
35	INT-2	Z	.008	.008	0	%100
36	INT-3	Z	.009	.009	0	%100
37	INT-4	Z	0	0	0	%100
38	INT-5	Z	0	0	0	%100
39	INT-6	Z	.008	.008	0	%100
40	INT-7	Z	.009	.009	0	%100
41	INT-8	Z	.009	.009	0	%100
42	INT-9	Z	.008	.008	0	%100
43	INT-10	Z	0	0	0	%100
44	INT-11	Z	0	0	0	%100
45	INT-12	Z	.009	.009	0	%100
46	MP-1	Z	.009	.009	0	%100
47	MP-2	Z	.009	.009	0	%100
48	MP-3	Z	.009	.009	0	%100
49	MP-4	Z	.009	.009	0	%100
50	MP-5	Z	.009	.009	0	%100
51	MP-6	Z	.009	.009	0	%100
52	MP-7	Z	.009	.009	0	%100
53	MP-8	Z	.009	.009	0	%100
54	MP-9	Z	.009	.009	0	%100
55	MP-10	Z	.009	.009	0	%100
56	MP-11	Z	.009	.009	0	%100
57	MP-12	Z	.009	.009	0	%100
58	ST1-V1	Z	.009	.009	0	%100
59	ST1-V2	Z	.009	.009	0	%100
60	ST2-V1	Z	.009	.009	0	%100
61	ST2-V2	Z	.009	.009	0	%100
62	ST3-V1	Z	.009	.009	0	%100
63	ST3-V2	Z	.009	.009	0	%100
64	STAB-1B	Z	.005	.005	0	%100
65	STAB-1U	Z	.005	.005	0	%100
66	STAB-2B	Z	.008	.008	0	%100
67	STAB-2U	Z	.008	.008	0	%100
68	STAB-3B	Z	.002	.002	0	%100
69	STAB-3U	Z	.002	.002	0	%100
70	ST1-H1	Z	.006	.006	0	%100
71	ST1-H2	Z	.006	.006	0	%100
72	ST2-H1	Z	.003	.003	0	%100
73	ST2-H2	Z	.003	.003	0	%100
74	ST3-H1	Z	.003	.003	0	%100
75	ST3-H2	Z	.003	.003	0	%100
76	M147A	Z	.003	.003	0	%100
77	M167	Z	.003	.003	0	%100
78	ST1-D1	Z	.003	.003	0	%100
79	SA-1	Z	.012	.012	0	%100
80	SA-2	Z	.012	.012	0	%100

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,%]
81	SA-3	Z	0	0	0	%100
82	SA-4	Z	.012	.012	0	%100
83	SA-5	Z	.012	.012	0	%100
84	SA-6	Z	0	0	0	%100
85	SA-1B	Z	.016	.016	0	%100
86	SA-2B	Z	.016	.016	0	%100
87	SA-3B	Z	0	0	0	%100
88	SA-4B	Z	.016	.016	0	%100
89	SA-5B	Z	.016	.016	0	%100
90	SA-6B	Z	0	0	0	%100
91	SR-1	Z	0	0	0	%100
92	SR-2	Z	.008	.008	0	%100
93	SR-3	Z	.008	.008	0	%100
94	SRC-1	Z	.009	.009	0	%100
95	SRC-2	Z	0	0	0	%100
96	SRC-3	Z	.009	.009	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	EC-1	X	-.005	-.005	0	%100
2	EC-2	X	-.005	-.005	0	%100
3	EC-3	X	-.01	-.01	0	%100
4	FFTH-1	X	-.005	-.005	0	%100
5	FFTH-2	X	-.01	-.01	0	%100
6	FFTH-3	X	-.005	-.005	0	%100
7	GS-1	X	-.003	-.003	0	%100
8	GS-2	X	-.003	-.003	0	%100
9	GS-3	X	-.003	-.003	0	%100
10	GS-4	X	-.002	-.002	0	%100
11	GS-5	X	-.005	-.005	0	%100
12	GS-6	X	-.005	-.005	0	%100
13	GS-7	X	-.005	-.005	0	%100
14	GS-8	X	-.004	-.004	0	%100
15	GS-9	X	-.002	-.002	0	%100
16	GS-10	X	-.002	-.002	0	%100
17	GS-11	X	-.002	-.002	0	%100
18	GS-12	X	-.002	-.002	0	%100
19	GSI-1	X	-.002	-.002	0	%100
20	GSI-1A	X	-.002	-.002	0	%100
21	GSI-2	X	-.003	-.003	0	%100
22	GSI-2A	X	-.003	-.003	0	%100
23	GSI-3	X	-.002	-.002	0	%100
24	GSI-4	X	-.003	-.003	0	%100
25	GSI-4A	X	-.002	-.002	0	%100
26	GSI-5	X	-.003	-.003	0	%100
27	GSI-5A	X	-.003	-.003	0	%100
28	GSI-6	X	-.002	-.002	0	%100
29	GSI-7	X	-.004	-.004	0	%100
30	GSI-7A	X	-.004	-.004	0	%100
31	GSI-8	X	-.005	-.005	0	%100
32	GSI-8A	X	-.005	-.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
33	GSI-9	X	-.004	-.004	0	%100
34	INT-1	X	-.002	-.002	0	%100
35	INT-2	X	-.004	-.004	0	%100
36	INT-3	X	-.005	-.005	0	%100
37	INT-4	X	-.003	-.003	0	%100
38	INT-5	X	-.002	-.002	0	%100
39	INT-6	X	-.002	-.002	0	%100
40	INT-7	X	-.002	-.002	0	%100
41	INT-8	X	-.005	-.005	0	%100
42	INT-9	X	-.004	-.004	0	%100
43	INT-10	X	-.002	-.002	0	%100
44	INT-11	X	-.003	-.003	0	%100
45	INT-12	X	-.002	-.002	0	%100
46	MP-1	X	-.005	-.005	0	%100
47	MP-2	X	-.005	-.005	0	%100
48	MP-3	X	-.005	-.005	0	%100
49	MP-4	X	-.005	-.005	0	%100
50	MP-5	X	-.005	-.005	0	%100
51	MP-6	X	-.005	-.005	0	%100
52	MP-7	X	-.005	-.005	0	%100
53	MP-8	X	-.005	-.005	0	%100
54	MP-9	X	-.005	-.005	0	%100
55	MP-10	X	-.005	-.005	0	%100
56	MP-11	X	-.005	-.005	0	%100
57	MP-12	X	-.005	-.005	0	%100
58	ST1-V1	X	-.005	-.005	0	%100
59	ST1-V2	X	-.005	-.005	0	%100
60	ST2-V1	X	-.005	-.005	0	%100
61	ST2-V2	X	-.005	-.005	0	%100
62	ST3-V1	X	-.005	-.005	0	%100
63	ST3-V2	X	-.005	-.005	0	%100
64	STAB-1B	X	-.004	-.004	0	%100
65	STAB-1U	X	-.004	-.004	0	%100
66	STAB-2B	X	-.002	-.002	0	%100
67	STAB-2U	X	-.002	-.002	0	%100
68	STAB-3B	X	-.000688	-.000688	0	%100
69	STAB-3U	X	-.000688	-.000688	0	%100
70	ST1-H1	X	-.002	-.002	0	%100
71	ST1-H2	X	-.002	-.002	0	%100
72	ST2-H1	X	0	0	0	%100
73	ST2-H2	X	0	0	0	%100
74	ST3-H1	X	-.003	-.003	0	%100
75	ST3-H2	X	-.003	-.003	0	%100
76	M147A	X	-.001	-.001	0	%100
77	M167	X	-.001	-.001	0	%100
78	ST1-D1	X	-.001	-.001	0	%100
79	SA-1	X	-.003	-.003	0	%100
80	SA-2	X	-.007	-.007	0	%100
81	SA-3	X	-.003	-.003	0	%100
82	SA-4	X	-.003	-.003	0	%100
83	SA-5	X	-.007	-.007	0	%100
84	SA-6	X	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	SA-1B	X	-.004	-.004	0	%100
86	SA-2B	X	-.008	-.008	0	%100
87	SA-3B	X	-.005	-.005	0	%100
88	SA-4B	X	-.004	-.004	0	%100
89	SA-5B	X	-.008	-.008	0	%100
90	SA-6B	X	-.005	-.005	0	%100
91	SR-1	X	-.002	-.002	0	%100
92	SR-2	X	-.005	-.005	0	%100
93	SR-3	X	-.002	-.002	0	%100
94	SRC-1	X	-.002	-.002	0	%100
95	SRC-2	X	-.003	-.003	0	%100
96	SRC-3	X	-.005	-.005	0	%100
97	EC-1	Z	.008	.008	0	%100
98	EC-2	Z	.008	.008	0	%100
99	EC-3	Z	.017	.017	0	%100
100	FFTH-1	Z	.008	.008	0	%100
101	FFTH-2	Z	.017	.017	0	%100
102	FFTH-3	Z	.008	.008	0	%100
103	GS-1	Z	.005	.005	0	%100
104	GS-2	Z	.005	.005	0	%100
105	GS-3	Z	.005	.005	0	%100
106	GS-4	Z	.004	.004	0	%100
107	GS-5	Z	.01	.01	0	%100
108	GS-6	Z	.01	.01	0	%100
109	GS-7	Z	.01	.01	0	%100
110	GS-8	Z	.008	.008	0	%100
111	GS-9	Z	.005	.005	0	%100
112	GS-10	Z	.005	.005	0	%100
113	GS-11	Z	.005	.005	0	%100
114	GS-12	Z	.004	.004	0	%100
115	GSI-1	Z	.004	.004	0	%100
116	GSI-1A	Z	.003	.003	0	%100
117	GSI-2	Z	.005	.005	0	%100
118	GSI-2A	Z	.005	.005	0	%100
119	GSI-3	Z	.004	.004	0	%100
120	GSI-4	Z	.004	.004	0	%100
121	GSI-4A	Z	.003	.003	0	%100
122	GSI-5	Z	.005	.005	0	%100
123	GSI-5A	Z	.006	.006	0	%100
124	GSI-6	Z	.004	.004	0	%100
125	GSI-7	Z	.008	.008	0	%100
126	GSI-7A	Z	.007	.007	0	%100
127	GSI-8	Z	.01	.01	0	%100
128	GSI-8A	Z	.011	.011	0	%100
129	GSI-9	Z	.008	.008	0	%100
130	INT-1	Z	.004	.004	0	%100
131	INT-2	Z	.008	.008	0	%100
132	INT-3	Z	.009	.009	0	%100
133	INT-4	Z	.005	.005	0	%100
134	INT-5	Z	.004	.004	0	%100
135	INT-6	Z	.004	.004	0	%100
136	INT-7	Z	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
137	INT-8	Z	.009	.009	0	%100
138	INT-9	Z	.008	.008	0	%100
139	INT-10	Z	.004	.004	0	%100
140	INT-11	Z	.005	.005	0	%100
141	INT-12	Z	.004	.004	0	%100
142	MP-1	Z	.008	.008	0	%100
143	MP-2	Z	.008	.008	0	%100
144	MP-3	Z	.008	.008	0	%100
145	MP-4	Z	.008	.008	0	%100
146	MP-5	Z	.008	.008	0	%100
147	MP-6	Z	.008	.008	0	%100
148	MP-7	Z	.008	.008	0	%100
149	MP-8	Z	.008	.008	0	%100
150	MP-9	Z	.008	.008	0	%100
151	MP-10	Z	.008	.008	0	%100
152	MP-11	Z	.008	.008	0	%100
153	MP-12	Z	.008	.008	0	%100
154	ST1-V1	Z	.008	.008	0	%100
155	ST1-V2	Z	.008	.008	0	%100
156	ST2-V1	Z	.008	.008	0	%100
157	ST2-V2	Z	.008	.008	0	%100
158	ST3-V1	Z	.008	.008	0	%100
159	ST3-V2	Z	.008	.008	0	%100
160	STAB-1B	Z	.006	.006	0	%100
161	STAB-1U	Z	.006	.006	0	%100
162	STAB-2B	Z	.006	.006	0	%100
163	STAB-2U	Z	.006	.006	0	%100
164	STAB-3B	Z	.000895	.000895	0	%100
165	STAB-3U	Z	.000895	.000895	0	%100
166	ST1-H1	Z	.005	.005	0	%100
167	ST1-H2	Z	.005	.005	0	%100
168	ST2-H1	Z	0	0	0	%100
169	ST2-H2	Z	0	0	0	%100
170	ST3-H1	Z	.004	.004	0	%100
171	ST3-H2	Z	.004	.004	0	%100
172	M147A	Z	.003	.003	0	%100
173	M167	Z	.003	.003	0	%100
174	ST1-D1	Z	.003	.003	0	%100
175	SA-1	Z	.006	.006	0	%100
176	SA-2	Z	.012	.012	0	%100
177	SA-3	Z	.006	.006	0	%100
178	SA-4	Z	.006	.006	0	%100
179	SA-5	Z	.012	.012	0	%100
180	SA-6	Z	.006	.006	0	%100
181	SA-1B	Z	.008	.008	0	%100
182	SA-2B	Z	.016	.016	0	%100
183	SA-3B	Z	.008	.008	0	%100
184	SA-4B	Z	.008	.008	0	%100
185	SA-5B	Z	.016	.016	0	%100
186	SA-6B	Z	.008	.008	0	%100
187	SR-1	Z	.004	.004	0	%100
188	SR-2	Z	.008	.008	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
189	SR-3	Z	.004	.004	0	%100
190	SRC-1	Z	.005	.005	0	%100
191	SRC-2	Z	.005	.005	0	%100
192	SRC-3	Z	.009	.009	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	EC-1	X	-.004	-.004	0	%100
2	EC-2	X	-.01	-.01	0	%100
3	EC-3	X	-.013	-.013	0	%100
4	FFTH-1	X	-.01	-.01	0	%100
5	FFTH-2	X	-.013	-.013	0	%100
6	FFTH-3	X	-.004	-.004	0	%100
7	GS-1	X	-.006	-.006	0	%100
8	GS-2	X	-.006	-.006	0	%100
9	GS-3	X	-.006	-.006	0	%100
10	GS-4	X	-.005	-.005	0	%100
11	GS-5	X	-.007	-.007	0	%100
12	GS-6	X	-.007	-.007	0	%100
13	GS-7	X	-.007	-.007	0	%100
14	GS-8	X	-.006	-.006	0	%100
15	GS-9	X	-.002	-.002	0	%100
16	GS-10	X	-.002	-.002	0	%100
17	GS-11	X	-.002	-.002	0	%100
18	GS-12	X	-.002	-.002	0	%100
19	GSI-1	X	-.002	-.002	0	%100
20	GSI-1A	X	-.001	-.001	0	%100
21	GSI-2	X	-.002	-.002	0	%100
22	GSI-2A	X	-.002	-.002	0	%100
23	GSI-3	X	-.002	-.002	0	%100
24	GSI-4	X	-.005	-.005	0	%100
25	GSI-4A	X	-.004	-.004	0	%100
26	GSI-5	X	-.006	-.006	0	%100
27	GSI-5A	X	-.006	-.006	0	%100
28	GSI-6	X	-.005	-.005	0	%100
29	GSI-7	X	-.006	-.006	0	%100
30	GSI-7A	X	-.005	-.005	0	%100
31	GSI-8	X	-.007	-.007	0	%100
32	GSI-8A	X	-.007	-.007	0	%100
33	GSI-9	X	-.006	-.006	0	%100
34	INT-1	X	-.002	-.002	0	%100
35	INT-2	X	-.006	-.006	0	%100
36	INT-3	X	-.006	-.006	0	%100
37	INT-4	X	-.005	-.005	0	%100
38	INT-5	X	-.005	-.005	0	%100
39	INT-6	X	-.002	-.002	0	%100
40	INT-7	X	-.002	-.002	0	%100
41	INT-8	X	-.006	-.006	0	%100
42	INT-9	X	-.006	-.006	0	%100
43	INT-10	X	-.005	-.005	0	%100
44	INT-11	X	-.005	-.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
45	INT-12	X	-.002	-.002	0	%100
46	MP-1	X	-.006	-.006	0	%100
47	MP-2	X	-.006	-.006	0	%100
48	MP-3	X	-.006	-.006	0	%100
49	MP-4	X	-.006	-.006	0	%100
50	MP-5	X	-.006	-.006	0	%100
51	MP-6	X	-.006	-.006	0	%100
52	MP-7	X	-.006	-.006	0	%100
53	MP-8	X	-.006	-.006	0	%100
54	MP-9	X	-.006	-.006	0	%100
55	MP-10	X	-.006	-.006	0	%100
56	MP-11	X	-.006	-.006	0	%100
57	MP-12	X	-.006	-.006	0	%100
58	ST1-V1	X	-.006	-.006	0	%100
59	ST1-V2	X	-.006	-.006	0	%100
60	ST2-V1	X	-.006	-.006	0	%100
61	ST2-V2	X	-.006	-.006	0	%100
62	ST3-V1	X	-.006	-.006	0	%100
63	ST3-V2	X	-.006	-.006	0	%100
64	STAB-1B	X	-.005	-.005	0	%100
65	STAB-1U	X	-.005	-.005	0	%100
66	STAB-2B	X	-.002	-.002	0	%100
67	STAB-2U	X	-.002	-.002	0	%100
68	STAB-3B	X	-.002	-.002	0	%100
69	STAB-3U	X	-.002	-.002	0	%100
70	ST1-H1	X	-.003	-.003	0	%100
71	ST1-H2	X	-.003	-.003	0	%100
72	ST2-H1	X	-.001	-.001	0	%100
73	ST2-H2	X	-.001	-.001	0	%100
74	ST3-H1	X	-.004	-.004	0	%100
75	ST3-H2	X	-.004	-.004	0	%100
76	M147A	X	-.002	-.002	0	%100
77	M167	X	-.002	-.002	0	%100
78	ST1-D1	X	-.002	-.002	0	%100
79	SA-1	X	-.002	-.002	0	%100
80	SA-2	X	-.009	-.009	0	%100
81	SA-3	X	-.007	-.007	0	%100
82	SA-4	X	-.002	-.002	0	%100
83	SA-5	X	-.009	-.009	0	%100
84	SA-6	X	-.007	-.007	0	%100
85	SA-1B	X	-.003	-.003	0	%100
86	SA-2B	X	-.011	-.011	0	%100
87	SA-3B	X	-.009	-.009	0	%100
88	SA-4B	X	-.003	-.003	0	%100
89	SA-5B	X	-.011	-.011	0	%100
90	SA-6B	X	-.009	-.009	0	%100
91	SR-1	X	-.005	-.005	0	%100
92	SR-2	X	-.006	-.006	0	%100
93	SR-3	X	-.002	-.002	0	%100
94	SRC-1	X	-.002	-.002	0	%100
95	SRC-2	X	-.005	-.005	0	%100
96	SRC-3	X	-.007	-.007	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	EC-1	Z	.004	.004	0	%100
98	EC-2	Z	.01	.01	0	%100
99	EC-3	Z	.013	.013	0	%100
100	FFTH-1	Z	.01	.01	0	%100
101	FFTH-2	Z	.013	.013	0	%100
102	FFTH-3	Z	.004	.004	0	%100
103	GS-1	Z	.006	.006	0	%100
104	GS-2	Z	.006	.006	0	%100
105	GS-3	Z	.006	.006	0	%100
106	GS-4	Z	.005	.005	0	%100
107	GS-5	Z	.008	.008	0	%100
108	GS-6	Z	.008	.008	0	%100
109	GS-7	Z	.008	.008	0	%100
110	GS-8	Z	.007	.007	0	%100
111	GS-9	Z	.002	.002	0	%100
112	GS-10	Z	.002	.002	0	%100
113	GS-11	Z	.002	.002	0	%100
114	GS-12	Z	.002	.002	0	%100
115	GSI-1	Z	.002	.002	0	%100
116	GSI-1A	Z	.001	.001	0	%100
117	GSI-2	Z	.002	.002	0	%100
118	GSI-2A	Z	.002	.002	0	%100
119	GSI-3	Z	.002	.002	0	%100
120	GSI-4	Z	.005	.005	0	%100
121	GSI-4A	Z	.004	.004	0	%100
122	GSI-5	Z	.006	.006	0	%100
123	GSI-5A	Z	.006	.006	0	%100
124	GSI-6	Z	.005	.005	0	%100
125	GSI-7	Z	.007	.007	0	%100
126	GSI-7A	Z	.005	.005	0	%100
127	GSI-8	Z	.008	.008	0	%100
128	GSI-8A	Z	.008	.008	0	%100
129	GSI-9	Z	.007	.007	0	%100
130	INT-1	Z	.002	.002	0	%100
131	INT-2	Z	.007	.007	0	%100
132	INT-3	Z	.007	.007	0	%100
133	INT-4	Z	.005	.005	0	%100
134	INT-5	Z	.005	.005	0	%100
135	INT-6	Z	.002	.002	0	%100
136	INT-7	Z	.002	.002	0	%100
137	INT-8	Z	.007	.007	0	%100
138	INT-9	Z	.007	.007	0	%100
139	INT-10	Z	.005	.005	0	%100
140	INT-11	Z	.005	.005	0	%100
141	INT-12	Z	.002	.002	0	%100
142	MP-1	Z	.006	.006	0	%100
143	MP-2	Z	.006	.006	0	%100
144	MP-3	Z	.006	.006	0	%100
145	MP-4	Z	.006	.006	0	%100
146	MP-5	Z	.006	.006	0	%100
147	MP-6	Z	.006	.006	0	%100
148	MP-7	Z	.006	.006	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
149	MP-8	Z	.006	.006	0	%100
150	MP-9	Z	.006	.006	0	%100
151	MP-10	Z	.006	.006	0	%100
152	MP-11	Z	.006	.006	0	%100
153	MP-12	Z	.006	.006	0	%100
154	ST1-V1	Z	.006	.006	0	%100
155	ST1-V2	Z	.006	.006	0	%100
156	ST2-V1	Z	.006	.006	0	%100
157	ST2-V2	Z	.006	.006	0	%100
158	ST3-V1	Z	.006	.006	0	%100
159	ST3-V2	Z	.006	.006	0	%100
160	STAB-1B	Z	.005	.005	0	%100
161	STAB-1U	Z	.005	.005	0	%100
162	STAB-2B	Z	.003	.003	0	%100
163	STAB-2U	Z	.003	.003	0	%100
164	STAB-3B	Z	.002	.002	0	%100
165	STAB-3U	Z	.002	.002	0	%100
166	ST1-H1	Z	.003	.003	0	%100
167	ST1-H2	Z	.003	.003	0	%100
168	ST2-H1	Z	.001	.001	0	%100
169	ST2-H2	Z	.001	.001	0	%100
170	ST3-H1	Z	.004	.004	0	%100
171	ST3-H2	Z	.004	.004	0	%100
172	M147A	Z	.002	.002	0	%100
173	M167	Z	.002	.002	0	%100
174	ST1-D1	Z	.002	.002	0	%100
175	SA-1	Z	.002	.002	0	%100
176	SA-2	Z	.009	.009	0	%100
177	SA-3	Z	.007	.007	0	%100
178	SA-4	Z	.002	.002	0	%100
179	SA-5	Z	.009	.009	0	%100
180	SA-6	Z	.007	.007	0	%100
181	SA-1B	Z	.003	.003	0	%100
182	SA-2B	Z	.012	.012	0	%100
183	SA-3B	Z	.009	.009	0	%100
184	SA-4B	Z	.003	.003	0	%100
185	SA-5B	Z	.012	.012	0	%100
186	SA-6B	Z	.009	.009	0	%100
187	SR-1	Z	.005	.005	0	%100
188	SR-2	Z	.006	.006	0	%100
189	SR-3	Z	.002	.002	0	%100
190	SRC-1	Z	.002	.002	0	%100
191	SRC-2	Z	.005	.005	0	%100
192	SRC-3	Z	.007	.007	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	EC-1	X	0	0	0	%100
2	EC-2	X	-.014	-.014	0	%100
3	EC-3	X	-.014	-.014	0	%100
4	FFTH-1	X	-.014	-.014	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	FFTH-2	X	-.014	-.014	0	%100
6	FFTH-3	X	0	0	0	%100
7	GS-1	X	-.009	-.009	0	%100
8	GS-2	X	-.009	-.009	0	%100
9	GS-3	X	-.009	-.009	0	%100
10	GS-4	X	-.007	-.007	0	%100
11	GS-5	X	-.007	-.007	0	%100
12	GS-6	X	-.007	-.007	0	%100
13	GS-7	X	-.007	-.007	0	%100
14	GS-8	X	-.006	-.006	0	%100
15	GS-9	X	0	0	0	%100
16	GS-10	X	0	0	0	%100
17	GS-11	X	0	0	0	%100
18	GS-12	X	0	0	0	%100
19	GSI-1	X	0	0	0	%100
20	GSI-1A	X	0	0	0	%100
21	GSI-2	X	0	0	0	%100
22	GSI-2A	X	0	0	0	%100
23	GSI-3	X	0	0	0	%100
24	GSI-4	X	-.008	-.008	0	%100
25	GSI-4A	X	-.006	-.006	0	%100
26	GSI-5	X	-.009	-.009	0	%100
27	GSI-5A	X	-.01	-.01	0	%100
28	GSI-6	X	-.007	-.007	0	%100
29	GSI-7	X	-.007	-.007	0	%100
30	GSI-7A	X	-.006	-.006	0	%100
31	GSI-8	X	-.008	-.008	0	%100
32	GSI-8A	X	-.008	-.008	0	%100
33	GSI-9	X	-.006	-.006	0	%100
34	INT-1	X	0	0	0	%100
35	INT-2	X	-.006	-.006	0	%100
36	INT-3	X	-.007	-.007	0	%100
37	INT-4	X	-.008	-.008	0	%100
38	INT-5	X	-.007	-.007	0	%100
39	INT-6	X	0	0	0	%100
40	INT-7	X	0	0	0	%100
41	INT-8	X	-.007	-.007	0	%100
42	INT-9	X	-.006	-.006	0	%100
43	INT-10	X	-.007	-.007	0	%100
44	INT-11	X	-.008	-.008	0	%100
45	INT-12	X	0	0	0	%100
46	MP-1	X	-.008	-.008	0	%100
47	MP-2	X	-.008	-.008	0	%100
48	MP-3	X	-.008	-.008	0	%100
49	MP-4	X	-.008	-.008	0	%100
50	MP-5	X	-.008	-.008	0	%100
51	MP-6	X	-.008	-.008	0	%100
52	MP-7	X	-.008	-.008	0	%100
53	MP-8	X	-.008	-.008	0	%100
54	MP-9	X	-.008	-.008	0	%100
55	MP-10	X	-.008	-.008	0	%100
56	MP-11	X	-.008	-.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
57	MP-12	X	-.008	-.008	0	%100
58	ST1-V1	X	-.008	-.008	0	%100
59	ST1-V2	X	-.008	-.008	0	%100
60	ST2-V1	X	-.008	-.008	0	%100
61	ST2-V2	X	-.008	-.008	0	%100
62	ST3-V1	X	-.008	-.008	0	%100
63	ST3-V2	X	-.008	-.008	0	%100
64	STAB-1B	X	-.006	-.006	0	%100
65	STAB-1U	X	-.006	-.006	0	%100
66	STAB-2B	X	-.002	-.002	0	%100
67	STAB-2U	X	-.002	-.002	0	%100
68	STAB-3B	X	-.005	-.005	0	%100
69	STAB-3U	X	-.005	-.005	0	%100
70	ST1-H1	X	-.002	-.002	0	%100
71	ST1-H2	X	-.002	-.002	0	%100
72	ST2-H1	X	-.003	-.003	0	%100
73	ST2-H2	X	-.003	-.003	0	%100
74	ST3-H1	X	-.005	-.005	0	%100
75	ST3-H2	X	-.005	-.005	0	%100
76	M147A	X	-.003	-.003	0	%100
77	M167	X	-.003	-.003	0	%100
78	ST1-D1	X	-.003	-.003	0	%100
79	SA-1	X	0	0	0	%100
80	SA-2	X	-.01	-.01	0	%100
81	SA-3	X	-.01	-.01	0	%100
82	SA-4	X	0	0	0	%100
83	SA-5	X	-.01	-.01	0	%100
84	SA-6	X	-.01	-.01	0	%100
85	SA-1B	X	0	0	0	%100
86	SA-2B	X	-.012	-.012	0	%100
87	SA-3B	X	-.014	-.014	0	%100
88	SA-4B	X	0	0	0	%100
89	SA-5B	X	-.012	-.012	0	%100
90	SA-6B	X	-.014	-.014	0	%100
91	SR-1	X	-.007	-.007	0	%100
92	SR-2	X	-.007	-.007	0	%100
93	SR-3	X	0	0	0	%100
94	SRC-1	X	0	0	0	%100
95	SRC-2	X	-.008	-.008	0	%100
96	SRC-3	X	-.007	-.007	0	%100
97	EC-1	Z	0	0	0	%100
98	EC-2	Z	.008	.008	0	%100
99	EC-3	Z	.008	.008	0	%100
100	FFTH-1	Z	.008	.008	0	%100
101	FFTH-2	Z	.008	.008	0	%100
102	FFTH-3	Z	0	0	0	%100
103	GS-1	Z	.005	.005	0	%100
104	GS-2	Z	.005	.005	0	%100
105	GS-3	Z	.005	.005	0	%100
106	GS-4	Z	.004	.004	0	%100
107	GS-5	Z	.005	.005	0	%100
108	GS-6	Z	.005	.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	GS-7	Z	.005	.005	0	%100
110	GS-8	Z	.004	.004	0	%100
111	GS-9	Z	0	0	0	%100
112	GS-10	Z	0	0	0	%100
113	GS-11	Z	0	0	0	%100
114	GS-12	Z	0	0	0	%100
115	GSI-1	Z	0	0	0	%100
116	GSI-1A	Z	0	0	0	%100
117	GSI-2	Z	0	0	0	%100
118	GSI-2A	Z	0	0	0	%100
119	GSI-3	Z	0	0	0	%100
120	GSI-4	Z	.004	.004	0	%100
121	GSI-4A	Z	.003	.003	0	%100
122	GSI-5	Z	.005	.005	0	%100
123	GSI-5A	Z	.006	.006	0	%100
124	GSI-6	Z	.004	.004	0	%100
125	GSI-7	Z	.004	.004	0	%100
126	GSI-7A	Z	.003	.003	0	%100
127	GSI-8	Z	.005	.005	0	%100
128	GSI-8A	Z	.005	.005	0	%100
129	GSI-9	Z	.004	.004	0	%100
130	INT-1	Z	0	0	0	%100
131	INT-2	Z	.004	.004	0	%100
132	INT-3	Z	.004	.004	0	%100
133	INT-4	Z	.005	.005	0	%100
134	INT-5	Z	.004	.004	0	%100
135	INT-6	Z	0	0	0	%100
136	INT-7	Z	0	0	0	%100
137	INT-8	Z	.004	.004	0	%100
138	INT-9	Z	.004	.004	0	%100
139	INT-10	Z	.004	.004	0	%100
140	INT-11	Z	.005	.005	0	%100
141	INT-12	Z	0	0	0	%100
142	MP-1	Z	.005	.005	0	%100
143	MP-2	Z	.005	.005	0	%100
144	MP-3	Z	.005	.005	0	%100
145	MP-4	Z	.005	.005	0	%100
146	MP-5	Z	.005	.005	0	%100
147	MP-6	Z	.005	.005	0	%100
148	MP-7	Z	.005	.005	0	%100
149	MP-8	Z	.005	.005	0	%100
150	MP-9	Z	.005	.005	0	%100
151	MP-10	Z	.005	.005	0	%100
152	MP-11	Z	.005	.005	0	%100
153	MP-12	Z	.005	.005	0	%100
154	ST1-V1	Z	.005	.005	0	%100
155	ST1-V2	Z	.005	.005	0	%100
156	ST2-V1	Z	.005	.005	0	%100
157	ST2-V2	Z	.005	.005	0	%100
158	ST3-V1	Z	.005	.005	0	%100
159	ST3-V2	Z	.005	.005	0	%100
160	STAB-1B	Z	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
161	STAB-1U	Z	.004	.004	0	%100
162	STAB-2B	Z	.001	.001	0	%100
163	STAB-2U	Z	.001	.001	0	%100
164	STAB-3B	Z	.002	.002	0	%100
165	STAB-3U	Z	.002	.002	0	%100
166	ST1-H1	Z	.002	.002	0	%100
167	ST1-H2	Z	.002	.002	0	%100
168	ST2-H1	Z	.001	.001	0	%100
169	ST2-H2	Z	.001	.001	0	%100
170	ST3-H1	Z	.003	.003	0	%100
171	ST3-H2	Z	.003	.003	0	%100
172	M147A	Z	.001	.001	0	%100
173	M167	Z	.001	.001	0	%100
174	ST1-D1	Z	.001	.001	0	%100
175	SA-1	Z	0	0	0	%100
176	SA-2	Z	.006	.006	0	%100
177	SA-3	Z	.006	.006	0	%100
178	SA-4	Z	0	0	0	%100
179	SA-5	Z	.006	.006	0	%100
180	SA-6	Z	.006	.006	0	%100
181	SA-1B	Z	0	0	0	%100
182	SA-2B	Z	.008	.008	0	%100
183	SA-3B	Z	.008	.008	0	%100
184	SA-4B	Z	0	0	0	%100
185	SA-5B	Z	.008	.008	0	%100
186	SA-6B	Z	.008	.008	0	%100
187	SR-1	Z	.004	.004	0	%100
188	SR-2	Z	.004	.004	0	%100
189	SR-3	Z	0	0	0	%100
190	SRC-1	Z	0	0	0	%100
191	SRC-2	Z	.005	.005	0	%100
192	SRC-3	Z	.005	.005	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	EC-1	Y	-.02	-.02	0	%100
2	EC-2	Y	-.02	-.02	0	%100
3	EC-3	Y	-.02	-.02	0	%100
4	FFTH-1	Y	-.008	-.008	0	%100
5	FFTH-2	Y	-.008	-.008	0	%100
6	FFTH-3	Y	-.008	-.008	0	%100
7	GS-1	Y	-.006	-.006	0	%100
8	GS-2	Y	-.006	-.006	0	%100
9	GS-3	Y	-.006	-.006	0	%100
10	GS-4	Y	-.006	-.006	0	%100
11	GS-5	Y	-.006	-.006	0	%100
12	GS-6	Y	-.006	-.006	0	%100
13	GS-7	Y	-.006	-.006	0	%100
14	GS-8	Y	-.006	-.006	0	%100
15	GS-9	Y	-.006	-.006	0	%100
16	GS-10	Y	-.006	-.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	GS-11	Y	-.006	-.006	0	%100
18	GS-12	Y	-.006	-.006	0	%100
19	GSI-1	Y	-.006	-.006	0	%100
20	GSI-1A	Y	-.008	-.008	0	%100
21	GSI-2	Y	-.006	-.006	0	%100
22	GSI-2A	Y	-.006	-.006	0	%100
23	GSI-3	Y	-.006	-.006	0	%100
24	GSI-4	Y	-.006	-.006	0	%100
25	GSI-4A	Y	-.008	-.008	0	%100
26	GSI-5	Y	-.006	-.006	0	%100
27	GSI-5A	Y	-.006	-.006	0	%100
28	GSI-6	Y	-.006	-.006	0	%100
29	GSI-7	Y	-.006	-.006	0	%100
30	GSI-7A	Y	-.008	-.008	0	%100
31	GSI-8	Y	-.006	-.006	0	%100
32	GSI-8A	Y	-.006	-.006	0	%100
33	GSI-9	Y	-.006	-.006	0	%100
34	INT-1	Y	-.006	-.006	0	%100
35	INT-2	Y	-.006	-.006	0	%100
36	INT-3	Y	-.006	-.006	0	%100
37	INT-4	Y	-.006	-.006	0	%100
38	INT-5	Y	-.006	-.006	0	%100
39	INT-6	Y	-.006	-.006	0	%100
40	INT-7	Y	-.006	-.006	0	%100
41	INT-8	Y	-.006	-.006	0	%100
42	INT-9	Y	-.006	-.006	0	%100
43	INT-10	Y	-.006	-.006	0	%100
44	INT-11	Y	-.006	-.006	0	%100
45	INT-12	Y	-.006	-.006	0	%100
46	MP-1	Y	-.009	-.009	0	%100
47	MP-2	Y	-.009	-.009	0	%100
48	MP-3	Y	-.009	-.009	0	%100
49	MP-4	Y	-.009	-.009	0	%100
50	MP-5	Y	-.009	-.009	0	%100
51	MP-6	Y	-.009	-.009	0	%100
52	MP-7	Y	-.009	-.009	0	%100
53	MP-8	Y	-.009	-.009	0	%100
54	MP-9	Y	-.009	-.009	0	%100
55	MP-10	Y	-.009	-.009	0	%100
56	MP-11	Y	-.009	-.009	0	%100
57	MP-12	Y	-.009	-.009	0	%100
58	ST1-V1	Y	-.009	-.009	0	%100
59	ST1-V2	Y	-.009	-.009	0	%100
60	ST2-V1	Y	-.009	-.009	0	%100
61	ST2-V2	Y	-.009	-.009	0	%100
62	ST3-V1	Y	-.009	-.009	0	%100
63	ST3-V2	Y	-.009	-.009	0	%100
64	STAB-1B	Y	-.009	-.009	0	%100
65	STAB-1U	Y	-.009	-.009	0	%100
66	STAB-2B	Y	-.009	-.009	0	%100
67	STAB-2U	Y	-.009	-.009	0	%100
68	STAB-3B	Y	-.009	-.009	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
69	STAB-3U	Y	-.009	-.009	0	%100
70	ST1-H1	Y	-.01	-.01	0	%100
71	ST1-H2	Y	-.01	-.01	0	%100
72	ST2-H1	Y	-.01	-.01	0	%100
73	ST2-H2	Y	-.01	-.01	0	%100
74	ST3-H1	Y	-.01	-.01	0	%100
75	ST3-H2	Y	-.01	-.01	0	%100
76	M147A	Y	-.005	-.005	0	%100
77	M167	Y	-.005	-.005	0	%100
78	ST1-D1	Y	-.005	-.005	0	%100
79	SA-1	Y	-.012	-.012	0	%100
80	SA-2	Y	-.012	-.012	0	%100
81	SA-3	Y	-.012	-.012	0	%100
82	SA-4	Y	-.012	-.012	0	%100
83	SA-5	Y	-.012	-.012	0	%100
84	SA-6	Y	-.012	-.012	0	%100
85	SA-1B	Y	-.012	-.012	0	%100
86	SA-2B	Y	-.012	-.012	0	%100
87	SA-3B	Y	-.012	-.012	0	%100
88	SA-4B	Y	-.012	-.012	0	%100
89	SA-5B	Y	-.012	-.012	0	%100
90	SA-6B	Y	-.012	-.012	0	%100
91	SR-1	Y	-.009	-.009	0	%100
92	SR-2	Y	-.009	-.009	0	%100
93	SR-3	Y	-.009	-.009	0	%100
94	SRC-1	Y	-.008	-.008	0	%100
95	SRC-2	Y	-.008	-.008	0	%100
96	SRC-3	Y	-.008	-.008	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	EC-1	X	-.009	-.009	0	%100
2	EC-2	X	-.009	-.009	0	%100
3	EC-3	X	-.009	-.009	0	%100
4	FFTH-1	X	-.008	-.008	0	%100
5	FFTH-2	X	-.006	-.006	0	%100
6	FFTH-3	X	-.006	-.006	0	%100
7	GS-1	X	-.005	-.005	0	%100
8	GS-2	X	-.005	-.005	0	%100
9	GS-3	X	-.005	-.005	0	%100
10	GS-4	X	-.005	-.005	0	%100
11	GS-5	X	-.004	-.004	0	%100
12	GS-6	X	-.004	-.004	0	%100
13	GS-7	X	-.004	-.004	0	%100
14	GS-8	X	-.004	-.004	0	%100
15	GS-9	X	-.004	-.004	0	%100
16	GS-10	X	-.004	-.004	0	%100
17	GS-11	X	-.004	-.004	0	%100
18	GS-12	X	-.004	-.004	0	%100
19	GSI-1	X	-.004	-.004	0	%100
20	GSI-1A	X	-.006	-.006	0	%100

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,%]
21	GSI-2	X	-.004	-.004	0	%100
22	GSI-2A	X	-.004	-.004	0	%100
23	GSI-3	X	-.004	-.004	0	%100
24	GSI-4	X	-.005	-.005	0	%100
25	GSI-4A	X	-.006	-.006	0	%100
26	GSI-5	X	-.005	-.005	0	%100
27	GSI-5A	X	-.005	-.005	0	%100
28	GSI-6	X	-.005	-.005	0	%100
29	GSI-7	X	-.004	-.004	0	%100
30	GSI-7A	X	-.006	-.006	0	%100
31	GSI-8	X	-.004	-.004	0	%100
32	GSI-8A	X	-.004	-.004	0	%100
33	GSI-9	X	-.004	-.004	0	%100
34	INT-1	X	-.004	-.004	0	%100
35	INT-2	X	-.004	-.004	0	%100
36	INT-3	X	-.004	-.004	0	%100
37	INT-4	X	-.005	-.005	0	%100
38	INT-5	X	-.005	-.005	0	%100
39	INT-6	X	-.004	-.004	0	%100
40	INT-7	X	-.004	-.004	0	%100
41	INT-8	X	-.004	-.004	0	%100
42	INT-9	X	-.004	-.004	0	%100
43	INT-10	X	-.005	-.005	0	%100
44	INT-11	X	-.005	-.005	0	%100
45	INT-12	X	-.004	-.004	0	%100
46	MP-1	X	-.003	-.003	0	%100
47	MP-2	X	-.004	-.004	0	%100
48	MP-3	X	-.004	-.004	0	%100
49	MP-4	X	-.003	-.003	0	%100
50	MP-5	X	-.003	-.003	0	%100
51	MP-6	X	-.004	-.004	0	%100
52	MP-7	X	-.004	-.004	0	%100
53	MP-8	X	-.003	-.003	0	%100
54	MP-9	X	-.003	-.003	0	%100
55	MP-10	X	-.004	-.004	0	%100
56	MP-11	X	-.004	-.004	0	%100
57	MP-12	X	-.003	-.003	0	%100
58	ST1-V1	X	-.003	-.003	0	%100
59	ST1-V2	X	-.003	-.003	0	%100
60	ST2-V1	X	-.003	-.003	0	%100
61	ST2-V2	X	-.003	-.003	0	%100
62	ST3-V1	X	-.003	-.003	0	%100
63	ST3-V2	X	-.003	-.003	0	%100
64	STAB-1B	X	-.003	-.003	0	%100
65	STAB-1U	X	-.003	-.003	0	%100
66	STAB-2B	X	-.003	-.003	0	%100
67	STAB-2U	X	-.003	-.003	0	%100
68	STAB-3B	X	-.003	-.003	0	%100
69	STAB-3U	X	-.003	-.003	0	%100
70	ST1-H1	X	-.003	-.003	0	%100
71	ST1-H2	X	-.003	-.003	0	%100
72	ST2-H1	X	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
73	ST2-H2	X	-.003	-.003	0	%100
74	ST3-H1	X	-.003	-.003	0	%100
75	ST3-H2	X	-.003	-.003	0	%100
76	M147A	X	-.002	-.002	0	%100
77	M167	X	-.002	-.002	0	%100
78	ST1-D1	X	-.002	-.002	0	%100
79	SA-1	X	-.006	-.006	0	%100
80	SA-2	X	-.006	-.006	0	%100
81	SA-3	X	-.006	-.006	0	%100
82	SA-4	X	-.006	-.006	0	%100
83	SA-5	X	-.006	-.006	0	%100
84	SA-6	X	-.006	-.006	0	%100
85	SA-1B	X	-.006	-.006	0	%100
86	SA-2B	X	-.006	-.006	0	%100
87	SA-3B	X	-.006	-.006	0	%100
88	SA-4B	X	-.006	-.006	0	%100
89	SA-5B	X	-.006	-.006	0	%100
90	SA-6B	X	-.006	-.006	0	%100
91	SR-1	X	-.004	-.004	0	%100
92	SR-2	X	-.003	-.003	0	%100
93	SR-3	X	-.003	-.003	0	%100
94	SRC-1	X	-.005	-.005	0	%100
95	SRC-2	X	-.005	-.005	0	%100
96	SRC-3	X	-.005	-.005	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	EC-1	X	-.007	-.007	0	%100
2	EC-2	X	-.007	-.007	0	%100
3	EC-3	X	0	0	0	%100
4	FFTH-1	X	-.006	-.006	0	%100
5	FFTH-2	X	0	0	0	%100
6	FFTH-3	X	-.005	-.005	0	%100
7	GS-1	X	-.004	-.004	0	%100
8	GS-2	X	-.004	-.004	0	%100
9	GS-3	X	-.004	-.004	0	%100
10	GS-4	X	-.004	-.004	0	%100
11	GS-5	X	0	0	0	%100
12	GS-6	X	0	0	0	%100
13	GS-7	X	0	0	0	%100
14	GS-8	X	0	0	0	%100
15	GS-9	X	-.003	-.003	0	%100
16	GS-10	X	-.003	-.003	0	%100
17	GS-11	X	-.003	-.003	0	%100
18	GS-12	X	-.003	-.003	0	%100
19	GSI-1	X	-.003	-.003	0	%100
20	GSI-1A	X	-.004	-.004	0	%100
21	GSI-2	X	-.003	-.003	0	%100
22	GSI-2A	X	-.003	-.003	0	%100
23	GSI-3	X	-.003	-.003	0	%100
24	GSI-4	X	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	GSI-4A	X	-.004	-.004	0	%100
26	GSI-5	X	-.004	-.004	0	%100
27	GSI-5A	X	-.004	-.004	0	%100
28	GSI-6	X	-.004	-.004	0	%100
29	GSI-7	X	0	0	0	%100
30	GSI-7A	X	0	0	0	%100
31	GSI-8	X	0	0	0	%100
32	GSI-8A	X	0	0	0	%100
33	GSI-9	X	0	0	0	%100
34	INT-1	X	-.003	-.003	0	%100
35	INT-2	X	0	0	0	%100
36	INT-3	X	0	0	0	%100
37	INT-4	X	-.004	-.004	0	%100
38	INT-5	X	-.004	-.004	0	%100
39	INT-6	X	-.003	-.003	0	%100
40	INT-7	X	-.003	-.003	0	%100
41	INT-8	X	0	0	0	%100
42	INT-9	X	0	0	0	%100
43	INT-10	X	-.004	-.004	0	%100
44	INT-11	X	-.004	-.004	0	%100
45	INT-12	X	-.003	-.003	0	%100
46	MP-1	X	-.003	-.003	0	%100
47	MP-2	X	-.003	-.003	0	%100
48	MP-3	X	-.003	-.003	0	%100
49	MP-4	X	-.003	-.003	0	%100
50	MP-5	X	-.003	-.003	0	%100
51	MP-6	X	-.003	-.003	0	%100
52	MP-7	X	-.003	-.003	0	%100
53	MP-8	X	-.003	-.003	0	%100
54	MP-9	X	-.003	-.003	0	%100
55	MP-10	X	-.003	-.003	0	%100
56	MP-11	X	-.003	-.003	0	%100
57	MP-12	X	-.003	-.003	0	%100
58	ST1-V1	X	-.003	-.003	0	%100
59	ST1-V2	X	-.003	-.003	0	%100
60	ST2-V1	X	-.003	-.003	0	%100
61	ST2-V2	X	-.003	-.003	0	%100
62	ST3-V1	X	-.003	-.003	0	%100
63	ST3-V2	X	-.003	-.003	0	%100
64	STAB-1B	X	-.000872	-.000872	0	%100
65	STAB-1U	X	-.000872	-.000872	0	%100
66	STAB-2B	X	-.001	-.001	0	%100
67	STAB-2U	X	-.001	-.001	0	%100
68	STAB-3B	X	-.003	-.003	0	%100
69	STAB-3U	X	-.003	-.003	0	%100
70	ST1-H1	X	-.001	-.001	0	%100
71	ST1-H2	X	-.001	-.001	0	%100
72	ST2-H1	X	-.002	-.002	0	%100
73	ST2-H2	X	-.002	-.002	0	%100
74	ST3-H1	X	-.001	-.001	0	%100
75	ST3-H2	X	-.001	-.001	0	%100
76	M147A	X	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
77	M167	X	-.002	-.002	0	%100
78	ST1-D1	X	-.002	-.002	0	%100
79	SA-1	X	-.005	-.005	0	%100
80	SA-2	X	0	0	0	%100
81	SA-3	X	-.005	-.005	0	%100
82	SA-4	X	-.005	-.005	0	%100
83	SA-5	X	0	0	0	%100
84	SA-6	X	-.005	-.005	0	%100
85	SA-1B	X	-.004	-.004	0	%100
86	SA-2B	X	0	0	0	%100
87	SA-3B	X	-.005	-.005	0	%100
88	SA-4B	X	-.004	-.004	0	%100
89	SA-5B	X	0	0	0	%100
90	SA-6B	X	-.005	-.005	0	%100
91	SR-1	X	-.003	-.003	0	%100
92	SR-2	X	0	0	0	%100
93	SR-3	X	-.002	-.002	0	%100
94	SRC-1	X	-.004	-.004	0	%100
95	SRC-2	X	-.004	-.004	0	%100
96	SRC-3	X	0	0	0	%100
97	EC-1	Z	-.004	-.004	0	%100
98	EC-2	Z	-.003	-.003	0	%100
99	EC-3	Z	0	0	0	%100
100	FFTH-1	Z	-.003	-.003	0	%100
101	FFTH-2	Z	0	0	0	%100
102	FFTH-3	Z	-.003	-.003	0	%100
103	GS-1	Z	-.002	-.002	0	%100
104	GS-2	Z	-.002	-.002	0	%100
105	GS-3	Z	-.002	-.002	0	%100
106	GS-4	Z	-.002	-.002	0	%100
107	GS-5	Z	0	0	0	%100
108	GS-6	Z	0	0	0	%100
109	GS-7	Z	0	0	0	%100
110	GS-8	Z	0	0	0	%100
111	GS-9	Z	-.002	-.002	0	%100
112	GS-10	Z	-.002	-.002	0	%100
113	GS-11	Z	-.002	-.002	0	%100
114	GS-12	Z	-.002	-.002	0	%100
115	GSI-1	Z	-.002	-.002	0	%100
116	GSI-1A	Z	-.002	-.002	0	%100
117	GSI-2	Z	-.002	-.002	0	%100
118	GSI-2A	Z	-.002	-.002	0	%100
119	GSI-3	Z	-.002	-.002	0	%100
120	GSI-4	Z	-.002	-.002	0	%100
121	GSI-4A	Z	-.002	-.002	0	%100
122	GSI-5	Z	-.002	-.002	0	%100
123	GSI-5A	Z	-.002	-.002	0	%100
124	GSI-6	Z	-.002	-.002	0	%100
125	GSI-7	Z	0	0	0	%100
126	GSI-7A	Z	0	0	0	%100
127	GSI-8	Z	0	0	0	%100
128	GSI-8A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
129	GSI-9	Z	0	0	0	%100
130	INT-1	Z	-.002	-.002	0	%100
131	INT-2	Z	0	0	0	%100
132	INT-3	Z	0	0	0	%100
133	INT-4	Z	-.002	-.002	0	%100
134	INT-5	Z	-.002	-.002	0	%100
135	INT-6	Z	-.002	-.002	0	%100
136	INT-7	Z	-.002	-.002	0	%100
137	INT-8	Z	0	0	0	%100
138	INT-9	Z	0	0	0	%100
139	INT-10	Z	-.002	-.002	0	%100
140	INT-11	Z	-.002	-.002	0	%100
141	INT-12	Z	-.002	-.002	0	%100
142	MP-1	Z	-.002	-.002	0	%100
143	MP-2	Z	-.002	-.002	0	%100
144	MP-3	Z	-.002	-.002	0	%100
145	MP-4	Z	-.002	-.002	0	%100
146	MP-5	Z	-.002	-.002	0	%100
147	MP-6	Z	-.002	-.002	0	%100
148	MP-7	Z	-.002	-.002	0	%100
149	MP-8	Z	-.002	-.002	0	%100
150	MP-9	Z	-.002	-.002	0	%100
151	MP-10	Z	-.002	-.002	0	%100
152	MP-11	Z	-.002	-.002	0	%100
153	MP-12	Z	-.002	-.002	0	%100
154	ST1-V1	Z	-.002	-.002	0	%100
155	ST1-V2	Z	-.002	-.002	0	%100
156	ST2-V1	Z	-.002	-.002	0	%100
157	ST2-V2	Z	-.002	-.002	0	%100
158	ST3-V1	Z	-.002	-.002	0	%100
159	ST3-V2	Z	-.002	-.002	0	%100
160	STAB-1B	Z	-.000488	-.000488	0	%100
161	STAB-1U	Z	-.000488	-.000488	0	%100
162	STAB-2B	Z	-.000975	-.000975	0	%100
163	STAB-2U	Z	-.000975	-.000975	0	%100
164	STAB-3B	Z	-.001	-.001	0	%100
165	STAB-3U	Z	-.001	-.001	0	%100
166	ST1-H1	Z	-.000728	-.000728	0	%100
167	ST1-H2	Z	-.000728	-.000728	0	%100
168	ST2-H1	Z	-.001	-.001	0	%100
169	ST2-H2	Z	-.001	-.001	0	%100
170	ST3-H1	Z	-.000688	-.000688	0	%100
171	ST3-H2	Z	-.000688	-.000688	0	%100
172	M147A	Z	-.001	-.001	0	%100
173	M167	Z	-.001	-.001	0	%100
174	ST1-D1	Z	-.001	-.001	0	%100
175	SA-1	Z	-.003	-.003	0	%100
176	SA-2	Z	0	0	0	%100
177	SA-3	Z	-.002	-.002	0	%100
178	SA-4	Z	-.003	-.003	0	%100
179	SA-5	Z	0	0	0	%100
180	SA-6	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
181	SA-1B	Z	-.003	-.003	0	%100
182	SA-2B	Z	0	0	0	%100
183	SA-3B	Z	-.002	-.002	0	%100
184	SA-4B	Z	-.003	-.003	0	%100
185	SA-5B	Z	0	0	0	%100
186	SA-6B	Z	-.002	-.002	0	%100
187	SR-1	Z	-.002	-.002	0	%100
188	SR-2	Z	0	0	0	%100
189	SR-3	Z	-.002	-.002	0	%100
190	SRC-1	Z	-.002	-.002	0	%100
191	SRC-2	Z	-.002	-.002	0	%100
192	SRC-3	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	EC-1	X	-.006	-.006	0	%100
2	EC-2	X	-.004	-.004	0	%100
3	EC-3	X	-.002	-.002	0	%100
4	FFTH-1	X	-.004	-.004	0	%100
5	FFTH-2	X	-.001	-.001	0	%100
6	FFTH-3	X	-.004	-.004	0	%100
7	GS-1	X	-.002	-.002	0	%100
8	GS-2	X	-.002	-.002	0	%100
9	GS-3	X	-.002	-.002	0	%100
10	GS-4	X	-.002	-.002	0	%100
11	GS-5	X	-.000808	-.000808	0	%100
12	GS-6	X	-.000813	-.000813	0	%100
13	GS-7	X	-.000808	-.000808	0	%100
14	GS-8	X	-.00081	-.00081	0	%100
15	GS-9	X	-.003	-.003	0	%100
16	GS-10	X	-.003	-.003	0	%100
17	GS-11	X	-.003	-.003	0	%100
18	GS-12	X	-.003	-.003	0	%100
19	GSI-1	X	-.003	-.003	0	%100
20	GSI-1A	X	-.004	-.004	0	%100
21	GSI-2	X	-.003	-.003	0	%100
22	GSI-2A	X	-.003	-.003	0	%100
23	GSI-3	X	-.003	-.003	0	%100
24	GSI-4	X	-.002	-.002	0	%100
25	GSI-4A	X	-.003	-.003	0	%100
26	GSI-5	X	-.003	-.003	0	%100
27	GSI-5A	X	-.003	-.003	0	%100
28	GSI-6	X	-.002	-.002	0	%100
29	GSI-7	X	-.000805	-.000805	0	%100
30	GSI-7A	X	-.001	-.001	0	%100
31	GSI-8	X	-.000817	-.000817	0	%100
32	GSI-8A	X	-.000821	-.000821	0	%100
33	GSI-9	X	-.00081	-.00081	0	%100
34	INT-1	X	-.003	-.003	0	%100
35	INT-2	X	-.000809	-.000809	0	%100
36	INT-3	X	-.000803	-.000803	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	INT-4	X	-.002	-.002	0	%100
38	INT-5	X	-.002	-.002	0	%100
39	INT-6	X	-.003	-.003	0	%100
40	INT-7	X	-.003	-.003	0	%100
41	INT-8	X	-.000803	-.000803	0	%100
42	INT-9	X	-.000809	-.000809	0	%100
43	INT-10	X	-.002	-.002	0	%100
44	INT-11	X	-.002	-.002	0	%100
45	INT-12	X	-.003	-.003	0	%100
46	MP-1	X	-.002	-.002	0	%100
47	MP-2	X	-.003	-.003	0	%100
48	MP-3	X	-.002	-.002	0	%100
49	MP-4	X	-.002	-.002	0	%100
50	MP-5	X	-.002	-.002	0	%100
51	MP-6	X	-.003	-.003	0	%100
52	MP-7	X	-.002	-.002	0	%100
53	MP-8	X	-.002	-.002	0	%100
54	MP-9	X	-.002	-.002	0	%100
55	MP-10	X	-.003	-.003	0	%100
56	MP-11	X	-.002	-.002	0	%100
57	MP-12	X	-.002	-.002	0	%100
58	ST1-V1	X	-.002	-.002	0	%100
59	ST1-V2	X	-.002	-.002	0	%100
60	ST2-V1	X	-.002	-.002	0	%100
61	ST2-V2	X	-.002	-.002	0	%100
62	ST3-V1	X	-.002	-.002	0	%100
63	ST3-V2	X	-.002	-.002	0	%100
64	STAB-1B	X	-.000189	-.000189	0	%100
65	STAB-1U	X	-.000189	-.000189	0	%100
66	STAB-2B	X	-.001	-.001	0	%100
67	STAB-2U	X	-.001	-.001	0	%100
68	STAB-3B	X	-.002	-.002	0	%100
69	STAB-3U	X	-.002	-.002	0	%100
70	ST1-H1	X	-.001	-.001	0	%100
71	ST1-H2	X	-.001	-.001	0	%100
72	ST2-H1	X	-.002	-.002	0	%100
73	ST2-H2	X	-.002	-.002	0	%100
74	ST3-H1	X	-.000525	-.000525	0	%100
75	ST3-H2	X	-.000525	-.000525	0	%100
76	M147A	X	-.001	-.001	0	%100
77	M167	X	-.001	-.001	0	%100
78	ST1-D1	X	-.001	-.001	0	%100
79	SA-1	X	-.004	-.004	0	%100
80	SA-2	X	-.001	-.001	0	%100
81	SA-3	X	-.003	-.003	0	%100
82	SA-4	X	-.004	-.004	0	%100
83	SA-5	X	-.001	-.001	0	%100
84	SA-6	X	-.003	-.003	0	%100
85	SA-1B	X	-.004	-.004	0	%100
86	SA-2B	X	-.001	-.001	0	%100
87	SA-3B	X	-.003	-.003	0	%100
88	SA-4B	X	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
Checked By: NPD

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,%]
89	SA-5B	X	-.001	-.001	0	%100
90	SA-6B	X	-.003	-.003	0	%100
91	SR-1	X	-.002	-.002	0	%100
92	SR-2	X	-.000601	-.000601	0	%100
93	SR-3	X	-.002	-.002	0	%100
94	SRC-1	X	-.003	-.003	0	%100
95	SRC-2	X	-.003	-.003	0	%100
96	SRC-3	X	-.000934	-.000934	0	%100
97	EC-1	Z	-.006	-.006	0	%100
98	EC-2	Z	-.004	-.004	0	%100
99	EC-3	Z	-.002	-.002	0	%100
100	FFTH-1	Z	-.003	-.003	0	%100
101	FFTH-2	Z	-.001	-.001	0	%100
102	FFTH-3	Z	-.005	-.005	0	%100
103	GS-1	Z	-.002	-.002	0	%100
104	GS-2	Z	-.002	-.002	0	%100
105	GS-3	Z	-.002	-.002	0	%100
106	GS-4	Z	-.002	-.002	0	%100
107	GS-5	Z	-.000884	-.000884	0	%100
108	GS-6	Z	-.000892	-.000892	0	%100
109	GS-7	Z	-.000884	-.000884	0	%100
110	GS-8	Z	-.000854	-.000854	0	%100
111	GS-9	Z	-.003	-.003	0	%100
112	GS-10	Z	-.003	-.003	0	%100
113	GS-11	Z	-.003	-.003	0	%100
114	GS-12	Z	-.003	-.003	0	%100
115	GSI-1	Z	-.003	-.003	0	%100
116	GSI-1A	Z	-.004	-.004	0	%100
117	GSI-2	Z	-.003	-.003	0	%100
118	GSI-2A	Z	-.003	-.003	0	%100
119	GSI-3	Z	-.003	-.003	0	%100
120	GSI-4	Z	-.002	-.002	0	%100
121	GSI-4A	Z	-.003	-.003	0	%100
122	GSI-5	Z	-.002	-.002	0	%100
123	GSI-5A	Z	-.002	-.002	0	%100
124	GSI-6	Z	-.002	-.002	0	%100
125	GSI-7	Z	-.000854	-.000854	0	%100
126	GSI-7A	Z	-.001	-.001	0	%100
127	GSI-8	Z	-.000898	-.000898	0	%100
128	GSI-8A	Z	-.000903	-.000903	0	%100
129	GSI-9	Z	-.000854	-.000854	0	%100
130	INT-1	Z	-.003	-.003	0	%100
131	INT-2	Z	-.000854	-.000854	0	%100
132	INT-3	Z	-.000857	-.000857	0	%100
133	INT-4	Z	-.002	-.002	0	%100
134	INT-5	Z	-.002	-.002	0	%100
135	INT-6	Z	-.003	-.003	0	%100
136	INT-7	Z	-.003	-.003	0	%100
137	INT-8	Z	-.000857	-.000857	0	%100
138	INT-9	Z	-.000854	-.000854	0	%100
139	INT-10	Z	-.002	-.002	0	%100
140	INT-11	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
141	INT-12	Z	-.003	-.003	0	%100
142	MP-1	Z	-.002	-.002	0	%100
143	MP-2	Z	-.003	-.003	0	%100
144	MP-3	Z	-.003	-.003	0	%100
145	MP-4	Z	-.003	-.003	0	%100
146	MP-5	Z	-.002	-.002	0	%100
147	MP-6	Z	-.003	-.003	0	%100
148	MP-7	Z	-.003	-.003	0	%100
149	MP-8	Z	-.003	-.003	0	%100
150	MP-9	Z	-.002	-.002	0	%100
151	MP-10	Z	-.003	-.003	0	%100
152	MP-11	Z	-.003	-.003	0	%100
153	MP-12	Z	-.003	-.003	0	%100
154	ST1-V1	Z	-.002	-.002	0	%100
155	ST1-V2	Z	-.002	-.002	0	%100
156	ST2-V1	Z	-.002	-.002	0	%100
157	ST2-V2	Z	-.002	-.002	0	%100
158	ST3-V1	Z	-.002	-.002	0	%100
159	ST3-V2	Z	-.002	-.002	0	%100
160	STAB-1B	Z	-.000183	-.000183	0	%100
161	STAB-1U	Z	-.000183	-.000183	0	%100
162	STAB-2B	Z	-.002	-.002	0	%100
163	STAB-2U	Z	-.002	-.002	0	%100
164	STAB-3B	Z	-.002	-.002	0	%100
165	STAB-3U	Z	-.002	-.002	0	%100
166	ST1-H1	Z	-.001	-.001	0	%100
167	ST1-H2	Z	-.001	-.001	0	%100
168	ST2-H1	Z	-.002	-.002	0	%100
169	ST2-H2	Z	-.002	-.002	0	%100
170	ST3-H1	Z	-.000503	-.000503	0	%100
171	ST3-H2	Z	-.000503	-.000503	0	%100
172	M147A	Z	-.002	-.002	0	%100
173	M167	Z	-.002	-.002	0	%100
174	ST1-D1	Z	-.002	-.002	0	%100
175	SA-1	Z	-.004	-.004	0	%100
176	SA-2	Z	-.001	-.001	0	%100
177	SA-3	Z	-.003	-.003	0	%100
178	SA-4	Z	-.004	-.004	0	%100
179	SA-5	Z	-.001	-.001	0	%100
180	SA-6	Z	-.003	-.003	0	%100
181	SA-1B	Z	-.004	-.004	0	%100
182	SA-2B	Z	-.001	-.001	0	%100
183	SA-3B	Z	-.003	-.003	0	%100
184	SA-4B	Z	-.004	-.004	0	%100
185	SA-5B	Z	-.001	-.001	0	%100
186	SA-6B	Z	-.003	-.003	0	%100
187	SR-1	Z	-.002	-.002	0	%100
188	SR-2	Z	-.000736	-.000736	0	%100
189	SR-3	Z	-.003	-.003	0	%100
190	SRC-1	Z	-.004	-.004	0	%100
191	SRC-2	Z	-.002	-.002	0	%100
192	SRC-3	Z	-.000944	-.000944	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
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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	EC-1	X	-.004	-.004	0	%100
2	EC-2	X	-.002	-.002	0	%100
3	EC-3	X	-.002	-.002	0	%100
4	FFTH-1	X	-.002	-.002	0	%100
5	FFTH-2	X	-.002	-.002	0	%100
6	FFTH-3	X	-.003	-.003	0	%100
7	GS-1	X	-.001	-.001	0	%100
8	GS-2	X	-.001	-.001	0	%100
9	GS-3	X	-.001	-.001	0	%100
10	GS-4	X	-.001	-.001	0	%100
11	GS-5	X	-.001	-.001	0	%100
12	GS-6	X	-.001	-.001	0	%100
13	GS-7	X	-.001	-.001	0	%100
14	GS-8	X	-.001	-.001	0	%100
15	GS-9	X	-.002	-.002	0	%100
16	GS-10	X	-.002	-.002	0	%100
17	GS-11	X	-.002	-.002	0	%100
18	GS-12	X	-.002	-.002	0	%100
19	GSI-1	X	-.002	-.002	0	%100
20	GSI-1A	X	-.003	-.003	0	%100
21	GSI-2	X	-.002	-.002	0	%100
22	GSI-2A	X	-.002	-.002	0	%100
23	GSI-3	X	-.002	-.002	0	%100
24	GSI-4	X	-.001	-.001	0	%100
25	GSI-4A	X	-.001	-.001	0	%100
26	GSI-5	X	-.001	-.001	0	%100
27	GSI-5A	X	-.001	-.001	0	%100
28	GSI-6	X	-.001	-.001	0	%100
29	GSI-7	X	-.001	-.001	0	%100
30	GSI-7A	X	-.001	-.001	0	%100
31	GSI-8	X	-.001	-.001	0	%100
32	GSI-8A	X	-.001	-.001	0	%100
33	GSI-9	X	-.001	-.001	0	%100
34	INT-1	X	-.002	-.002	0	%100
35	INT-2	X	-.001	-.001	0	%100
36	INT-3	X	-.001	-.001	0	%100
37	INT-4	X	-.001	-.001	0	%100
38	INT-5	X	-.001	-.001	0	%100
39	INT-6	X	-.002	-.002	0	%100
40	INT-7	X	-.002	-.002	0	%100
41	INT-8	X	-.001	-.001	0	%100
42	INT-9	X	-.001	-.001	0	%100
43	INT-10	X	-.001	-.001	0	%100
44	INT-11	X	-.001	-.001	0	%100
45	INT-12	X	-.002	-.002	0	%100
46	MP-1	X	-.001	-.001	0	%100
47	MP-2	X	-.002	-.002	0	%100
48	MP-3	X	-.002	-.002	0	%100
49	MP-4	X	-.002	-.002	0	%100
50	MP-5	X	-.001	-.001	0	%100
51	MP-6	X	-.002	-.002	0	%100
52	MP-7	X	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP-8	X	-.002	-.002	0	%100
54	MP-9	X	-.001	-.001	0	%100
55	MP-10	X	-.002	-.002	0	%100
56	MP-11	X	-.002	-.002	0	%100
57	MP-12	X	-.002	-.002	0	%100
58	ST1-V1	X	-.001	-.001	0	%100
59	ST1-V2	X	-.001	-.001	0	%100
60	ST2-V1	X	-.001	-.001	0	%100
61	ST2-V2	X	-.001	-.001	0	%100
62	ST3-V1	X	-.001	-.001	0	%100
63	ST3-V2	X	-.001	-.001	0	%100
64	STAB-1B	X	-.000246	-.000246	0	%100
65	STAB-1U	X	-.000246	-.000246	0	%100
66	STAB-2B	X	-.001	-.001	0	%100
67	STAB-2U	X	-.001	-.001	0	%100
68	STAB-3B	X	-.001	-.001	0	%100
69	STAB-3U	X	-.001	-.001	0	%100
70	ST1-H1	X	-.001	-.001	0	%100
71	ST1-H2	X	-.001	-.001	0	%100
72	ST2-H1	X	-.001	-.001	0	%100
73	ST2-H2	X	-.001	-.001	0	%100
74	ST3-H1	X	0	0	0	%100
75	ST3-H2	X	0	0	0	%100
76	M147A	X	-.001	-.001	0	%100
77	M167	X	-.001	-.001	0	%100
78	ST1-D1	X	-.001	-.001	0	%100
79	SA-1	X	-.003	-.003	0	%100
80	SA-2	X	-.002	-.002	0	%100
81	SA-3	X	-.002	-.002	0	%100
82	SA-4	X	-.003	-.003	0	%100
83	SA-5	X	-.002	-.002	0	%100
84	SA-6	X	-.002	-.002	0	%100
85	SA-1B	X	-.003	-.003	0	%100
86	SA-2B	X	-.001	-.001	0	%100
87	SA-3B	X	-.002	-.002	0	%100
88	SA-4B	X	-.003	-.003	0	%100
89	SA-5B	X	-.001	-.001	0	%100
90	SA-6B	X	-.002	-.002	0	%100
91	SR-1	X	-.001	-.001	0	%100
92	SR-2	X	-.000821	-.000821	0	%100
93	SR-3	X	-.002	-.002	0	%100
94	SRC-1	X	-.003	-.003	0	%100
95	SRC-2	X	-.001	-.001	0	%100
96	SRC-3	X	-.001	-.001	0	%100
97	EC-1	Z	-.008	-.008	0	%100
98	EC-2	Z	-.003	-.003	0	%100
99	EC-3	Z	-.004	-.004	0	%100
100	FFTH-1	Z	-.003	-.003	0	%100
101	FFTH-2	Z	-.003	-.003	0	%100
102	FFTH-3	Z	-.006	-.006	0	%100
103	GS-1	Z	-.002	-.002	0	%100
104	GS-2	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
105	GS-3	Z	-.002	-.002	0	%100
106	GS-4	Z	-.002	-.002	0	%100
107	GS-5	Z	-.002	-.002	0	%100
108	GS-6	Z	-.002	-.002	0	%100
109	GS-7	Z	-.002	-.002	0	%100
110	GS-8	Z	-.002	-.002	0	%100
111	GS-9	Z	-.004	-.004	0	%100
112	GS-10	Z	-.004	-.004	0	%100
113	GS-11	Z	-.004	-.004	0	%100
114	GS-12	Z	-.004	-.004	0	%100
115	GSI-1	Z	-.004	-.004	0	%100
116	GSI-1A	Z	-.005	-.005	0	%100
117	GSI-2	Z	-.004	-.004	0	%100
118	GSI-2A	Z	-.004	-.004	0	%100
119	GSI-3	Z	-.004	-.004	0	%100
120	GSI-4	Z	-.002	-.002	0	%100
121	GSI-4A	Z	-.002	-.002	0	%100
122	GSI-5	Z	-.002	-.002	0	%100
123	GSI-5A	Z	-.002	-.002	0	%100
124	GSI-6	Z	-.002	-.002	0	%100
125	GSI-7	Z	-.002	-.002	0	%100
126	GSI-7A	Z	-.002	-.002	0	%100
127	GSI-8	Z	-.002	-.002	0	%100
128	GSI-8A	Z	-.002	-.002	0	%100
129	GSI-9	Z	-.002	-.002	0	%100
130	INT-1	Z	-.004	-.004	0	%100
131	INT-2	Z	-.002	-.002	0	%100
132	INT-3	Z	-.002	-.002	0	%100
133	INT-4	Z	-.002	-.002	0	%100
134	INT-5	Z	-.002	-.002	0	%100
135	INT-6	Z	-.004	-.004	0	%100
136	INT-7	Z	-.004	-.004	0	%100
137	INT-8	Z	-.002	-.002	0	%100
138	INT-9	Z	-.002	-.002	0	%100
139	INT-10	Z	-.002	-.002	0	%100
140	INT-11	Z	-.002	-.002	0	%100
141	INT-12	Z	-.004	-.004	0	%100
142	MP-1	Z	-.003	-.003	0	%100
143	MP-2	Z	-.003	-.003	0	%100
144	MP-3	Z	-.003	-.003	0	%100
145	MP-4	Z	-.003	-.003	0	%100
146	MP-5	Z	-.003	-.003	0	%100
147	MP-6	Z	-.003	-.003	0	%100
148	MP-7	Z	-.003	-.003	0	%100
149	MP-8	Z	-.003	-.003	0	%100
150	MP-9	Z	-.003	-.003	0	%100
151	MP-10	Z	-.003	-.003	0	%100
152	MP-11	Z	-.003	-.003	0	%100
153	MP-12	Z	-.003	-.003	0	%100
154	ST1-V1	Z	-.003	-.003	0	%100
155	ST1-V2	Z	-.003	-.003	0	%100
156	ST2-V1	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
157	ST2-V2	Z	-.003	-.003	0	%100
158	ST3-V1	Z	-.003	-.003	0	%100
159	ST3-V2	Z	-.003	-.003	0	%100
160	STAB-1B	Z	-.000413	-.000413	0	%100
161	STAB-1U	Z	-.000413	-.000413	0	%100
162	STAB-2B	Z	-.002	-.002	0	%100
163	STAB-2U	Z	-.002	-.002	0	%100
164	STAB-3B	Z	-.002	-.002	0	%100
165	STAB-3U	Z	-.002	-.002	0	%100
166	ST1-H1	Z	-.002	-.002	0	%100
167	ST1-H2	Z	-.002	-.002	0	%100
168	ST2-H1	Z	-.002	-.002	0	%100
169	ST2-H2	Z	-.002	-.002	0	%100
170	ST3-H1	Z	0	0	0	%100
171	ST3-H2	Z	0	0	0	%100
172	M147A	Z	-.002	-.002	0	%100
173	M167	Z	-.002	-.002	0	%100
174	ST1-D1	Z	-.002	-.002	0	%100
175	SA-1	Z	-.006	-.006	0	%100
176	SA-2	Z	-.003	-.003	0	%100
177	SA-3	Z	-.002	-.002	0	%100
178	SA-4	Z	-.006	-.006	0	%100
179	SA-5	Z	-.003	-.003	0	%100
180	SA-6	Z	-.002	-.002	0	%100
181	SA-1B	Z	-.005	-.005	0	%100
182	SA-2B	Z	-.003	-.003	0	%100
183	SA-3B	Z	-.002	-.002	0	%100
184	SA-4B	Z	-.005	-.005	0	%100
185	SA-5B	Z	-.003	-.003	0	%100
186	SA-6B	Z	-.002	-.002	0	%100
187	SR-1	Z	-.002	-.002	0	%100
188	SR-2	Z	-.002	-.002	0	%100
189	SR-3	Z	-.003	-.003	0	%100
190	SRC-1	Z	-.004	-.004	0	%100
191	SRC-2	Z	-.002	-.002	0	%100
192	SRC-3	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	EC-1	Z	-.008	-.008	0	%100
2	EC-2	Z	0	0	0	%100
3	EC-3	Z	-.008	-.008	0	%100
4	FFTH-1	Z	0	0	0	%100
5	FFTH-2	Z	-.006	-.006	0	%100
6	FFTH-3	Z	-.006	-.006	0	%100
7	GS-1	Z	0	0	0	%100
8	GS-2	Z	0	0	0	%100
9	GS-3	Z	0	0	0	%100
10	GS-4	Z	0	0	0	%100
11	GS-5	Z	-.004	-.004	0	%100
12	GS-6	Z	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
13	GS-7	Z	-.004	-.004	0	%100
14	GS-8	Z	-.004	-.004	0	%100
15	GS-9	Z	-.004	-.004	0	%100
16	GS-10	Z	-.004	-.004	0	%100
17	GS-11	Z	-.004	-.004	0	%100
18	GS-12	Z	-.004	-.004	0	%100
19	GSI-1	Z	-.004	-.004	0	%100
20	GSI-1A	Z	-.005	-.005	0	%100
21	GSI-2	Z	-.004	-.004	0	%100
22	GSI-2A	Z	-.004	-.004	0	%100
23	GSI-3	Z	-.004	-.004	0	%100
24	GSI-4	Z	0	0	0	%100
25	GSI-4A	Z	0	0	0	%100
26	GSI-5	Z	0	0	0	%100
27	GSI-5A	Z	0	0	0	%100
28	GSI-6	Z	0	0	0	%100
29	GSI-7	Z	-.004	-.004	0	%100
30	GSI-7A	Z	-.005	-.005	0	%100
31	GSI-8	Z	-.004	-.004	0	%100
32	GSI-8A	Z	-.004	-.004	0	%100
33	GSI-9	Z	-.004	-.004	0	%100
34	INT-1	Z	-.004	-.004	0	%100
35	INT-2	Z	-.004	-.004	0	%100
36	INT-3	Z	-.004	-.004	0	%100
37	INT-4	Z	0	0	0	%100
38	INT-5	Z	0	0	0	%100
39	INT-6	Z	-.004	-.004	0	%100
40	INT-7	Z	-.004	-.004	0	%100
41	INT-8	Z	-.004	-.004	0	%100
42	INT-9	Z	-.004	-.004	0	%100
43	INT-10	Z	0	0	0	%100
44	INT-11	Z	0	0	0	%100
45	INT-12	Z	-.004	-.004	0	%100
46	MP-1	Z	-.003	-.003	0	%100
47	MP-2	Z	-.004	-.004	0	%100
48	MP-3	Z	-.004	-.004	0	%100
49	MP-4	Z	-.004	-.004	0	%100
50	MP-5	Z	-.003	-.003	0	%100
51	MP-6	Z	-.004	-.004	0	%100
52	MP-7	Z	-.004	-.004	0	%100
53	MP-8	Z	-.004	-.004	0	%100
54	MP-9	Z	-.003	-.003	0	%100
55	MP-10	Z	-.004	-.004	0	%100
56	MP-11	Z	-.004	-.004	0	%100
57	MP-12	Z	-.004	-.004	0	%100
58	ST1-V1	Z	-.003	-.003	0	%100
59	ST1-V2	Z	-.003	-.003	0	%100
60	ST2-V1	Z	-.003	-.003	0	%100
61	ST2-V2	Z	-.003	-.003	0	%100
62	ST3-V1	Z	-.003	-.003	0	%100
63	ST3-V2	Z	-.003	-.003	0	%100
64	STAB-1B	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	STAB-1U	Z	-.002	-.002	0	%100
66	STAB-2B	Z	-.003	-.003	0	%100
67	STAB-2U	Z	-.003	-.003	0	%100
68	STAB-3B	Z	-.000909	-.000909	0	%100
69	STAB-3U	Z	-.000909	-.000909	0	%100
70	ST1-H1	Z	-.003	-.003	0	%100
71	ST1-H2	Z	-.003	-.003	0	%100
72	ST2-H1	Z	-.001	-.001	0	%100
73	ST2-H2	Z	-.001	-.001	0	%100
74	ST3-H1	Z	-.001	-.001	0	%100
75	ST3-H2	Z	-.001	-.001	0	%100
76	M147A	Z	-.002	-.002	0	%100
77	M167	Z	-.002	-.002	0	%100
78	ST1-D1	Z	-.002	-.002	0	%100
79	SA-1	Z	-.006	-.006	0	%100
80	SA-2	Z	-.006	-.006	0	%100
81	SA-3	Z	0	0	0	%100
82	SA-4	Z	-.006	-.006	0	%100
83	SA-5	Z	-.006	-.006	0	%100
84	SA-6	Z	0	0	0	%100
85	SA-1B	Z	-.005	-.005	0	%100
86	SA-2B	Z	-.005	-.005	0	%100
87	SA-3B	Z	0	0	0	%100
88	SA-4B	Z	-.005	-.005	0	%100
89	SA-5B	Z	-.005	-.005	0	%100
90	SA-6B	Z	0	0	0	%100
91	SR-1	Z	0	0	0	%100
92	SR-2	Z	-.003	-.003	0	%100
93	SR-3	Z	-.003	-.003	0	%100
94	SRC-1	Z	-.004	-.004	0	%100
95	SRC-2	Z	0	0	0	%100
96	SRC-3	Z	-.004	-.004	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	EC-1	X	.002	.002	0	%100
2	EC-2	X	.002	.002	0	%100
3	EC-3	X	.004	.004	0	%100
4	FFTH-1	X	.002	.002	0	%100
5	FFTH-2	X	.003	.003	0	%100
6	FFTH-3	X	.002	.002	0	%100
7	GS-1	X	.001	.001	0	%100
8	GS-2	X	.001	.001	0	%100
9	GS-3	X	.001	.001	0	%100
10	GS-4	X	.001	.001	0	%100
11	GS-5	X	.002	.002	0	%100
12	GS-6	X	.002	.002	0	%100
13	GS-7	X	.002	.002	0	%100
14	GS-8	X	.002	.002	0	%100
15	GS-9	X	.001	.001	0	%100
16	GS-10	X	.001	.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
17	GS-11	X	.001	.001	0	%100
18	GS-12	X	.001	.001	0	%100
19	GSI-1	X	.001	.001	0	%100
20	GSI-1A	X	.001	.001	0	%100
21	GSI-2	X	.001	.001	0	%100
22	GSI-2A	X	.001	.001	0	%100
23	GSI-3	X	.001	.001	0	%100
24	GSI-4	X	.001	.001	0	%100
25	GSI-4A	X	.001	.001	0	%100
26	GSI-5	X	.001	.001	0	%100
27	GSI-5A	X	.001	.001	0	%100
28	GSI-6	X	.001	.001	0	%100
29	GSI-7	X	.002	.002	0	%100
30	GSI-7A	X	.003	.003	0	%100
31	GSI-8	X	.002	.002	0	%100
32	GSI-8A	X	.002	.002	0	%100
33	GSI-9	X	.002	.002	0	%100
34	INT-1	X	.001	.001	0	%100
35	INT-2	X	.002	.002	0	%100
36	INT-3	X	.002	.002	0	%100
37	INT-4	X	.001	.001	0	%100
38	INT-5	X	.001	.001	0	%100
39	INT-6	X	.001	.001	0	%100
40	INT-7	X	.001	.001	0	%100
41	INT-8	X	.002	.002	0	%100
42	INT-9	X	.002	.002	0	%100
43	INT-10	X	.001	.001	0	%100
44	INT-11	X	.001	.001	0	%100
45	INT-12	X	.001	.001	0	%100
46	MP-1	X	.001	.001	0	%100
47	MP-2	X	.002	.002	0	%100
48	MP-3	X	.002	.002	0	%100
49	MP-4	X	.002	.002	0	%100
50	MP-5	X	.001	.001	0	%100
51	MP-6	X	.002	.002	0	%100
52	MP-7	X	.002	.002	0	%100
53	MP-8	X	.002	.002	0	%100
54	MP-9	X	.001	.001	0	%100
55	MP-10	X	.002	.002	0	%100
56	MP-11	X	.002	.002	0	%100
57	MP-12	X	.002	.002	0	%100
58	ST1-V1	X	.001	.001	0	%100
59	ST1-V2	X	.001	.001	0	%100
60	ST2-V1	X	.001	.001	0	%100
61	ST2-V2	X	.001	.001	0	%100
62	ST3-V1	X	.001	.001	0	%100
63	ST3-V2	X	.001	.001	0	%100
64	STAB-1B	X	.001	.001	0	%100
65	STAB-1U	X	.001	.001	0	%100
66	STAB-2B	X	.000979	.000979	0	%100
67	STAB-2U	X	.000979	.000979	0	%100
68	STAB-3B	X	.000255	.000255	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	STAB-3U	X	.000255	.000255	0	%100
70	ST1-H1	X	.001	.001	0	%100
71	ST1-H2	X	.001	.001	0	%100
72	ST2-H1	X	0	0	0	%100
73	ST2-H2	X	0	0	0	%100
74	ST3-H1	X	.001	.001	0	%100
75	ST3-H2	X	.001	.001	0	%100
76	M147A	X	.001	.001	0	%100
77	M167	X	.001	.001	0	%100
78	ST1-D1	X	.001	.001	0	%100
79	SA-1	X	.002	.002	0	%100
80	SA-2	X	.003	.003	0	%100
81	SA-3	X	.002	.002	0	%100
82	SA-4	X	.002	.002	0	%100
83	SA-5	X	.003	.003	0	%100
84	SA-6	X	.002	.002	0	%100
85	SA-1B	X	.001	.001	0	%100
86	SA-2B	X	.003	.003	0	%100
87	SA-3B	X	.002	.002	0	%100
88	SA-4B	X	.001	.001	0	%100
89	SA-5B	X	.003	.003	0	%100
90	SA-6B	X	.002	.002	0	%100
91	SR-1	X	.001	.001	0	%100
92	SR-2	X	.002	.002	0	%100
93	SR-3	X	.000821	.000821	0	%100
94	SRC-1	X	.001	.001	0	%100
95	SRC-2	X	.001	.001	0	%100
96	SRC-3	X	.003	.003	0	%100
97	EC-1	Z	-.004	-.004	0	%100
98	EC-2	Z	-.003	-.003	0	%100
99	EC-3	Z	-.008	-.008	0	%100
100	FFTH-1	Z	-.003	-.003	0	%100
101	FFTH-2	Z	-.006	-.006	0	%100
102	FFTH-3	Z	-.003	-.003	0	%100
103	GS-1	Z	-.002	-.002	0	%100
104	GS-2	Z	-.002	-.002	0	%100
105	GS-3	Z	-.002	-.002	0	%100
106	GS-4	Z	-.002	-.002	0	%100
107	GS-5	Z	-.004	-.004	0	%100
108	GS-6	Z	-.004	-.004	0	%100
109	GS-7	Z	-.004	-.004	0	%100
110	GS-8	Z	-.004	-.004	0	%100
111	GS-9	Z	-.002	-.002	0	%100
112	GS-10	Z	-.002	-.002	0	%100
113	GS-11	Z	-.002	-.002	0	%100
114	GS-12	Z	-.002	-.002	0	%100
115	GSI-1	Z	-.002	-.002	0	%100
116	GSI-1A	Z	-.002	-.002	0	%100
117	GSI-2	Z	-.002	-.002	0	%100
118	GSI-2A	Z	-.002	-.002	0	%100
119	GSI-3	Z	-.002	-.002	0	%100
120	GSI-4	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
121	GSI-4A	Z	-.002	-.002	0	%100
122	GSI-5	Z	-.002	-.002	0	%100
123	GSI-5A	Z	-.002	-.002	0	%100
124	GSI-6	Z	-.002	-.002	0	%100
125	GSI-7	Z	-.004	-.004	0	%100
126	GSI-7A	Z	-.005	-.005	0	%100
127	GSI-8	Z	-.004	-.004	0	%100
128	GSI-8A	Z	-.004	-.004	0	%100
129	GSI-9	Z	-.004	-.004	0	%100
130	INT-1	Z	-.002	-.002	0	%100
131	INT-2	Z	-.004	-.004	0	%100
132	INT-3	Z	-.004	-.004	0	%100
133	INT-4	Z	-.002	-.002	0	%100
134	INT-5	Z	-.002	-.002	0	%100
135	INT-6	Z	-.002	-.002	0	%100
136	INT-7	Z	-.002	-.002	0	%100
137	INT-8	Z	-.004	-.004	0	%100
138	INT-9	Z	-.004	-.004	0	%100
139	INT-10	Z	-.002	-.002	0	%100
140	INT-11	Z	-.002	-.002	0	%100
141	INT-12	Z	-.002	-.002	0	%100
142	MP-1	Z	-.003	-.003	0	%100
143	MP-2	Z	-.003	-.003	0	%100
144	MP-3	Z	-.003	-.003	0	%100
145	MP-4	Z	-.003	-.003	0	%100
146	MP-5	Z	-.003	-.003	0	%100
147	MP-6	Z	-.003	-.003	0	%100
148	MP-7	Z	-.003	-.003	0	%100
149	MP-8	Z	-.003	-.003	0	%100
150	MP-9	Z	-.003	-.003	0	%100
151	MP-10	Z	-.003	-.003	0	%100
152	MP-11	Z	-.003	-.003	0	%100
153	MP-12	Z	-.003	-.003	0	%100
154	ST1-V1	Z	-.003	-.003	0	%100
155	ST1-V2	Z	-.003	-.003	0	%100
156	ST2-V1	Z	-.003	-.003	0	%100
157	ST2-V2	Z	-.003	-.003	0	%100
158	ST3-V1	Z	-.003	-.003	0	%100
159	ST3-V2	Z	-.003	-.003	0	%100
160	STAB-1B	Z	-.002	-.002	0	%100
161	STAB-1U	Z	-.002	-.002	0	%100
162	STAB-2B	Z	-.002	-.002	0	%100
163	STAB-2U	Z	-.002	-.002	0	%100
164	STAB-3B	Z	-.000384	-.000384	0	%100
165	STAB-3U	Z	-.000384	-.000384	0	%100
166	ST1-H1	Z	-.002	-.002	0	%100
167	ST1-H2	Z	-.002	-.002	0	%100
168	ST2-H1	Z	0	0	0	%100
169	ST2-H2	Z	0	0	0	%100
170	ST3-H1	Z	-.002	-.002	0	%100
171	ST3-H2	Z	-.002	-.002	0	%100
172	M147A	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
173	M167	Z	-.002	-.002	0	%100
174	ST1-D1	Z	-.002	-.002	0	%100
175	SA-1	Z	-.003	-.003	0	%100
176	SA-2	Z	-.006	-.006	0	%100
177	SA-3	Z	-.002	-.002	0	%100
178	SA-4	Z	-.003	-.003	0	%100
179	SA-5	Z	-.006	-.006	0	%100
180	SA-6	Z	-.002	-.002	0	%100
181	SA-1B	Z	-.003	-.003	0	%100
182	SA-2B	Z	-.005	-.005	0	%100
183	SA-3B	Z	-.002	-.002	0	%100
184	SA-4B	Z	-.003	-.003	0	%100
185	SA-5B	Z	-.005	-.005	0	%100
186	SA-6B	Z	-.002	-.002	0	%100
187	SR-1	Z	-.002	-.002	0	%100
188	SR-2	Z	-.003	-.003	0	%100
189	SR-3	Z	-.002	-.002	0	%100
190	SRC-1	Z	-.002	-.002	0	%100
191	SRC-2	Z	-.002	-.002	0	%100
192	SRC-3	Z	-.004	-.004	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	EC-1	X	.002	.002	0	%100
2	EC-2	X	.004	.004	0	%100
3	EC-3	X	.006	.006	0	%100
4	FFTH-1	X	.004	.004	0	%100
5	FFTH-2	X	.004	.004	0	%100
6	FFTH-3	X	.001	.001	0	%100
7	GS-1	X	.002	.002	0	%100
8	GS-2	X	.002	.002	0	%100
9	GS-3	X	.002	.002	0	%100
10	GS-4	X	.002	.002	0	%100
11	GS-5	X	.003	.003	0	%100
12	GS-6	X	.003	.003	0	%100
13	GS-7	X	.003	.003	0	%100
14	GS-8	X	.003	.003	0	%100
15	GS-9	X	.000808	.000808	0	%100
16	GS-10	X	.000813	.000813	0	%100
17	GS-11	X	.000808	.000808	0	%100
18	GS-12	X	.00081	.00081	0	%100
19	GSI-1	X	.000805	.000805	0	%100
20	GSI-1A	X	.001	.001	0	%100
21	GSI-2	X	.000817	.000817	0	%100
22	GSI-2A	X	.000821	.000821	0	%100
23	GSI-3	X	.00081	.00081	0	%100
24	GSI-4	X	.002	.002	0	%100
25	GSI-4A	X	.003	.003	0	%100
26	GSI-5	X	.003	.003	0	%100
27	GSI-5A	X	.003	.003	0	%100
28	GSI-6	X	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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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,%]
29	GSI-7	X	.003	.003	0	%100
30	GSI-7A	X	.004	.004	0	%100
31	GSI-8	X	.003	.003	0	%100
32	GSI-8A	X	.003	.003	0	%100
33	GSI-9	X	.003	.003	0	%100
34	INT-1	X	.000809	.000809	0	%100
35	INT-2	X	.003	.003	0	%100
36	INT-3	X	.003	.003	0	%100
37	INT-4	X	.002	.002	0	%100
38	INT-5	X	.002	.002	0	%100
39	INT-6	X	.000809	.000809	0	%100
40	INT-7	X	.000803	.000803	0	%100
41	INT-8	X	.003	.003	0	%100
42	INT-9	X	.003	.003	0	%100
43	INT-10	X	.002	.002	0	%100
44	INT-11	X	.002	.002	0	%100
45	INT-12	X	.000803	.000803	0	%100
46	MP-1	X	.002	.002	0	%100
47	MP-2	X	.003	.003	0	%100
48	MP-3	X	.002	.002	0	%100
49	MP-4	X	.002	.002	0	%100
50	MP-5	X	.002	.002	0	%100
51	MP-6	X	.003	.003	0	%100
52	MP-7	X	.002	.002	0	%100
53	MP-8	X	.002	.002	0	%100
54	MP-9	X	.002	.002	0	%100
55	MP-10	X	.003	.003	0	%100
56	MP-11	X	.002	.002	0	%100
57	MP-12	X	.002	.002	0	%100
58	ST1-V1	X	.002	.002	0	%100
59	ST1-V2	X	.002	.002	0	%100
60	ST2-V1	X	.002	.002	0	%100
61	ST2-V2	X	.002	.002	0	%100
62	ST3-V1	X	.002	.002	0	%100
63	ST3-V2	X	.002	.002	0	%100
64	STAB-1B	X	.002	.002	0	%100
65	STAB-1U	X	.002	.002	0	%100
66	STAB-2B	X	.001	.001	0	%100
67	STAB-2U	X	.001	.001	0	%100
68	STAB-3B	X	.000893	.000893	0	%100
69	STAB-3U	X	.000893	.000893	0	%100
70	ST1-H1	X	.001	.001	0	%100
71	ST1-H2	X	.001	.001	0	%100
72	ST2-H1	X	.000525	.000525	0	%100
73	ST2-H2	X	.000525	.000525	0	%100
74	ST3-H1	X	.002	.002	0	%100
75	ST3-H2	X	.002	.002	0	%100
76	M147A	X	.001	.001	0	%100
77	M167	X	.001	.001	0	%100
78	ST1-D1	X	.001	.001	0	%100
79	SA-1	X	.001	.001	0	%100
80	SA-2	X	.004	.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	SA-3	X	.003	.003	0	%100
82	SA-4	X	.001	.001	0	%100
83	SA-5	X	.004	.004	0	%100
84	SA-6	X	.003	.003	0	%100
85	SA-1B	X	.001	.001	0	%100
86	SA-2B	X	.004	.004	0	%100
87	SA-3B	X	.003	.003	0	%100
88	SA-4B	X	.001	.001	0	%100
89	SA-5B	X	.004	.004	0	%100
90	SA-6B	X	.003	.003	0	%100
91	SR-1	X	.002	.002	0	%100
92	SR-2	X	.002	.002	0	%100
93	SR-3	X	.000601	.000601	0	%100
94	SRC-1	X	.000934	.000934	0	%100
95	SRC-2	X	.003	.003	0	%100
96	SRC-3	X	.003	.003	0	%100
97	EC-1	Z	-.002	-.002	0	%100
98	EC-2	Z	-.004	-.004	0	%100
99	EC-3	Z	-.006	-.006	0	%100
100	FFTH-1	Z	-.003	-.003	0	%100
101	FFTH-2	Z	-.005	-.005	0	%100
102	FFTH-3	Z	-.001	-.001	0	%100
103	GS-1	Z	-.002	-.002	0	%100
104	GS-2	Z	-.002	-.002	0	%100
105	GS-3	Z	-.002	-.002	0	%100
106	GS-4	Z	-.002	-.002	0	%100
107	GS-5	Z	-.003	-.003	0	%100
108	GS-6	Z	-.003	-.003	0	%100
109	GS-7	Z	-.003	-.003	0	%100
110	GS-8	Z	-.003	-.003	0	%100
111	GS-9	Z	-.000884	-.000884	0	%100
112	GS-10	Z	-.000892	-.000892	0	%100
113	GS-11	Z	-.000884	-.000884	0	%100
114	GS-12	Z	-.000854	-.000854	0	%100
115	GSI-1	Z	-.000854	-.000854	0	%100
116	GSI-1A	Z	-.001	-.001	0	%100
117	GSI-2	Z	-.000898	-.000898	0	%100
118	GSI-2A	Z	-.000903	-.000903	0	%100
119	GSI-3	Z	-.000854	-.000854	0	%100
120	GSI-4	Z	-.002	-.002	0	%100
121	GSI-4A	Z	-.003	-.003	0	%100
122	GSI-5	Z	-.002	-.002	0	%100
123	GSI-5A	Z	-.002	-.002	0	%100
124	GSI-6	Z	-.002	-.002	0	%100
125	GSI-7	Z	-.003	-.003	0	%100
126	GSI-7A	Z	-.004	-.004	0	%100
127	GSI-8	Z	-.003	-.003	0	%100
128	GSI-8A	Z	-.003	-.003	0	%100
129	GSI-9	Z	-.003	-.003	0	%100
130	INT-1	Z	-.000854	-.000854	0	%100
131	INT-2	Z	-.003	-.003	0	%100
132	INT-3	Z	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
Checked By: NPD

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,%]
133	INT-4	Z	-.002	-.002	0	%100
134	INT-5	Z	-.002	-.002	0	%100
135	INT-6	Z	-.000854	-.000854	0	%100
136	INT-7	Z	-.000857	-.000857	0	%100
137	INT-8	Z	-.003	-.003	0	%100
138	INT-9	Z	-.003	-.003	0	%100
139	INT-10	Z	-.002	-.002	0	%100
140	INT-11	Z	-.002	-.002	0	%100
141	INT-12	Z	-.000857	-.000857	0	%100
142	MP-1	Z	-.002	-.002	0	%100
143	MP-2	Z	-.003	-.003	0	%100
144	MP-3	Z	-.003	-.003	0	%100
145	MP-4	Z	-.003	-.003	0	%100
146	MP-5	Z	-.002	-.002	0	%100
147	MP-6	Z	-.003	-.003	0	%100
148	MP-7	Z	-.003	-.003	0	%100
149	MP-8	Z	-.003	-.003	0	%100
150	MP-9	Z	-.002	-.002	0	%100
151	MP-10	Z	-.003	-.003	0	%100
152	MP-11	Z	-.003	-.003	0	%100
153	MP-12	Z	-.003	-.003	0	%100
154	ST1-V1	Z	-.002	-.002	0	%100
155	ST1-V2	Z	-.002	-.002	0	%100
156	ST2-V1	Z	-.002	-.002	0	%100
157	ST2-V2	Z	-.002	-.002	0	%100
158	ST3-V1	Z	-.002	-.002	0	%100
159	ST3-V2	Z	-.002	-.002	0	%100
160	STAB-1B	Z	-.002	-.002	0	%100
161	STAB-1U	Z	-.002	-.002	0	%100
162	STAB-2B	Z	-.001	-.001	0	%100
163	STAB-2U	Z	-.001	-.001	0	%100
164	STAB-3B	Z	-.000776	-.000776	0	%100
165	STAB-3U	Z	-.000776	-.000776	0	%100
166	ST1-H1	Z	-.001	-.001	0	%100
167	ST1-H2	Z	-.001	-.001	0	%100
168	ST2-H1	Z	-.000503	-.000503	0	%100
169	ST2-H2	Z	-.000503	-.000503	0	%100
170	ST3-H1	Z	-.002	-.002	0	%100
171	ST3-H2	Z	-.002	-.002	0	%100
172	M147A	Z	-.002	-.002	0	%100
173	M167	Z	-.002	-.002	0	%100
174	ST1-D1	Z	-.002	-.002	0	%100
175	SA-1	Z	-.001	-.001	0	%100
176	SA-2	Z	-.004	-.004	0	%100
177	SA-3	Z	-.003	-.003	0	%100
178	SA-4	Z	-.001	-.001	0	%100
179	SA-5	Z	-.004	-.004	0	%100
180	SA-6	Z	-.003	-.003	0	%100
181	SA-1B	Z	-.001	-.001	0	%100
182	SA-2B	Z	-.004	-.004	0	%100
183	SA-3B	Z	-.003	-.003	0	%100
184	SA-4B	Z	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
185	SA-5B	Z	-.004	-.004	0	%100
186	SA-6B	Z	-.003	-.003	0	%100
187	SR-1	Z	-.002	-.002	0	%100
188	SR-2	Z	-.003	-.003	0	%100
189	SR-3	Z	-.000736	-.000736	0	%100
190	SRC-1	Z	-.000944	-.000944	0	%100
191	SRC-2	Z	-.002	-.002	0	%100
192	SRC-3	Z	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	EC-1	X	0	0	0	%100
2	EC-2	X	.007	.007	0	%100
3	EC-3	X	.007	.007	0	%100
4	FFTH-1	X	.006	.006	0	%100
5	FFTH-2	X	.005	.005	0	%100
6	FFTH-3	X	0	0	0	%100
7	GS-1	X	.004	.004	0	%100
8	GS-2	X	.004	.004	0	%100
9	GS-3	X	.004	.004	0	%100
10	GS-4	X	.004	.004	0	%100
11	GS-5	X	.003	.003	0	%100
12	GS-6	X	.003	.003	0	%100
13	GS-7	X	.003	.003	0	%100
14	GS-8	X	.003	.003	0	%100
15	GS-9	X	0	0	0	%100
16	GS-10	X	0	0	0	%100
17	GS-11	X	0	0	0	%100
18	GS-12	X	0	0	0	%100
19	GSI-1	X	0	0	0	%100
20	GSI-1A	X	0	0	0	%100
21	GSI-2	X	0	0	0	%100
22	GSI-2A	X	0	0	0	%100
23	GSI-3	X	0	0	0	%100
24	GSI-4	X	.004	.004	0	%100
25	GSI-4A	X	.004	.004	0	%100
26	GSI-5	X	.004	.004	0	%100
27	GSI-5A	X	.004	.004	0	%100
28	GSI-6	X	.004	.004	0	%100
29	GSI-7	X	.003	.003	0	%100
30	GSI-7A	X	.004	.004	0	%100
31	GSI-8	X	.003	.003	0	%100
32	GSI-8A	X	.003	.003	0	%100
33	GSI-9	X	.003	.003	0	%100
34	INT-1	X	0	0	0	%100
35	INT-2	X	.003	.003	0	%100
36	INT-3	X	.003	.003	0	%100
37	INT-4	X	.004	.004	0	%100
38	INT-5	X	.004	.004	0	%100
39	INT-6	X	0	0	0	%100
40	INT-7	X	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
41	INT-8	X	.003	.003	0	%100
42	INT-9	X	.003	.003	0	%100
43	INT-10	X	.004	.004	0	%100
44	INT-11	X	.004	.004	0	%100
45	INT-12	X	0	0	0	%100
46	MP-1	X	.003	.003	0	%100
47	MP-2	X	.003	.003	0	%100
48	MP-3	X	.003	.003	0	%100
49	MP-4	X	.003	.003	0	%100
50	MP-5	X	.003	.003	0	%100
51	MP-6	X	.003	.003	0	%100
52	MP-7	X	.003	.003	0	%100
53	MP-8	X	.003	.003	0	%100
54	MP-9	X	.003	.003	0	%100
55	MP-10	X	.003	.003	0	%100
56	MP-11	X	.003	.003	0	%100
57	MP-12	X	.003	.003	0	%100
58	ST1-V1	X	.003	.003	0	%100
59	ST1-V2	X	.003	.003	0	%100
60	ST2-V1	X	.003	.003	0	%100
61	ST2-V2	X	.003	.003	0	%100
62	ST3-V1	X	.003	.003	0	%100
63	ST3-V2	X	.003	.003	0	%100
64	STAB-1B	X	.002	.002	0	%100
65	STAB-1U	X	.002	.002	0	%100
66	STAB-2B	X	.000764	.000764	0	%100
67	STAB-2U	X	.000764	.000764	0	%100
68	STAB-3B	X	.002	.002	0	%100
69	STAB-3U	X	.002	.002	0	%100
70	ST1-H1	X	.001	.001	0	%100
71	ST1-H2	X	.001	.001	0	%100
72	ST2-H1	X	.001	.001	0	%100
73	ST2-H2	X	.001	.001	0	%100
74	ST3-H1	X	.002	.002	0	%100
75	ST3-H2	X	.002	.002	0	%100
76	M147A	X	.002	.002	0	%100
77	M167	X	.002	.002	0	%100
78	ST1-D1	X	.002	.002	0	%100
79	SA-1	X	0	0	0	%100
80	SA-2	X	.005	.005	0	%100
81	SA-3	X	.005	.005	0	%100
82	SA-4	X	0	0	0	%100
83	SA-5	X	.005	.005	0	%100
84	SA-6	X	.005	.005	0	%100
85	SA-1B	X	0	0	0	%100
86	SA-2B	X	.004	.004	0	%100
87	SA-3B	X	.005	.005	0	%100
88	SA-4B	X	0	0	0	%100
89	SA-5B	X	.004	.004	0	%100
90	SA-6B	X	.005	.005	0	%100
91	SR-1	X	.003	.003	0	%100
92	SR-2	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	SR-3	X	0	0	0	%100
94	SRC-1	X	0	0	0	%100
95	SRC-2	X	.004	.004	0	%100
96	SRC-3	X	.004	.004	0	%100
97	EC-1	Z	0	0	0	%100
98	EC-2	Z	-.003	-.003	0	%100
99	EC-3	Z	-.004	-.004	0	%100
100	FFTH-1	Z	-.003	-.003	0	%100
101	FFTH-2	Z	-.003	-.003	0	%100
102	FFTH-3	Z	0	0	0	%100
103	GS-1	Z	-.002	-.002	0	%100
104	GS-2	Z	-.002	-.002	0	%100
105	GS-3	Z	-.002	-.002	0	%100
106	GS-4	Z	-.002	-.002	0	%100
107	GS-5	Z	-.002	-.002	0	%100
108	GS-6	Z	-.002	-.002	0	%100
109	GS-7	Z	-.002	-.002	0	%100
110	GS-8	Z	-.002	-.002	0	%100
111	GS-9	Z	0	0	0	%100
112	GS-10	Z	0	0	0	%100
113	GS-11	Z	0	0	0	%100
114	GS-12	Z	0	0	0	%100
115	GSI-1	Z	0	0	0	%100
116	GSI-1A	Z	0	0	0	%100
117	GSI-2	Z	0	0	0	%100
118	GSI-2A	Z	0	0	0	%100
119	GSI-3	Z	0	0	0	%100
120	GSI-4	Z	-.002	-.002	0	%100
121	GSI-4A	Z	-.002	-.002	0	%100
122	GSI-5	Z	-.002	-.002	0	%100
123	GSI-5A	Z	-.002	-.002	0	%100
124	GSI-6	Z	-.002	-.002	0	%100
125	GSI-7	Z	-.002	-.002	0	%100
126	GSI-7A	Z	-.002	-.002	0	%100
127	GSI-8	Z	-.002	-.002	0	%100
128	GSI-8A	Z	-.002	-.002	0	%100
129	GSI-9	Z	-.002	-.002	0	%100
130	INT-1	Z	0	0	0	%100
131	INT-2	Z	-.002	-.002	0	%100
132	INT-3	Z	-.002	-.002	0	%100
133	INT-4	Z	-.002	-.002	0	%100
134	INT-5	Z	-.002	-.002	0	%100
135	INT-6	Z	0	0	0	%100
136	INT-7	Z	0	0	0	%100
137	INT-8	Z	-.002	-.002	0	%100
138	INT-9	Z	-.002	-.002	0	%100
139	INT-10	Z	-.002	-.002	0	%100
140	INT-11	Z	-.002	-.002	0	%100
141	INT-12	Z	0	0	0	%100
142	MP-1	Z	-.002	-.002	0	%100
143	MP-2	Z	-.002	-.002	0	%100
144	MP-3	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
145	MP-4	Z	-.002	-.002	0	%100
146	MP-5	Z	-.002	-.002	0	%100
147	MP-6	Z	-.002	-.002	0	%100
148	MP-7	Z	-.002	-.002	0	%100
149	MP-8	Z	-.002	-.002	0	%100
150	MP-9	Z	-.002	-.002	0	%100
151	MP-10	Z	-.002	-.002	0	%100
152	MP-11	Z	-.002	-.002	0	%100
153	MP-12	Z	-.002	-.002	0	%100
154	ST1-V1	Z	-.002	-.002	0	%100
155	ST1-V2	Z	-.002	-.002	0	%100
156	ST2-V1	Z	-.002	-.002	0	%100
157	ST2-V2	Z	-.002	-.002	0	%100
158	ST3-V1	Z	-.002	-.002	0	%100
159	ST3-V2	Z	-.002	-.002	0	%100
160	STAB-1B	Z	-.001	-.001	0	%100
161	STAB-1U	Z	-.001	-.001	0	%100
162	STAB-2B	Z	-.000528	-.000528	0	%100
163	STAB-2U	Z	-.000528	-.000528	0	%100
164	STAB-3B	Z	-.000838	-.000838	0	%100
165	STAB-3U	Z	-.000838	-.000838	0	%100
166	ST1-H1	Z	-.000728	-.000728	0	%100
167	ST1-H2	Z	-.000728	-.000728	0	%100
168	ST2-H1	Z	-.000688	-.000688	0	%100
169	ST2-H2	Z	-.000688	-.000688	0	%100
170	ST3-H1	Z	-.001	-.001	0	%100
171	ST3-H2	Z	-.001	-.001	0	%100
172	M147A	Z	-.001	-.001	0	%100
173	M167	Z	-.001	-.001	0	%100
174	ST1-D1	Z	-.001	-.001	0	%100
175	SA-1	Z	0	0	0	%100
176	SA-2	Z	-.003	-.003	0	%100
177	SA-3	Z	-.002	-.002	0	%100
178	SA-4	Z	0	0	0	%100
179	SA-5	Z	-.003	-.003	0	%100
180	SA-6	Z	-.002	-.002	0	%100
181	SA-1B	Z	0	0	0	%100
182	SA-2B	Z	-.003	-.003	0	%100
183	SA-3B	Z	-.002	-.002	0	%100
184	SA-4B	Z	0	0	0	%100
185	SA-5B	Z	-.003	-.003	0	%100
186	SA-6B	Z	-.002	-.002	0	%100
187	SR-1	Z	-.002	-.002	0	%100
188	SR-2	Z	-.002	-.002	0	%100
189	SR-3	Z	0	0	0	%100
190	SRC-1	Z	0	0	0	%100
191	SRC-2	Z	-.002	-.002	0	%100
192	SRC-3	Z	-.002	-.002	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,%]

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,%]
1	EC-1	X	.009	.009	0	%100
2	EC-2	X	.009	.009	0	%100
3	EC-3	X	.009	.009	0	%100
4	FFTH-1	X	.008	.008	0	%100
5	FFTH-2	X	.006	.006	0	%100
6	FFTH-3	X	.006	.006	0	%100
7	GS-1	X	.005	.005	0	%100
8	GS-2	X	.005	.005	0	%100
9	GS-3	X	.005	.005	0	%100
10	GS-4	X	.005	.005	0	%100
11	GS-5	X	.004	.004	0	%100
12	GS-6	X	.004	.004	0	%100
13	GS-7	X	.004	.004	0	%100
14	GS-8	X	.004	.004	0	%100
15	GS-9	X	.004	.004	0	%100
16	GS-10	X	.004	.004	0	%100
17	GS-11	X	.004	.004	0	%100
18	GS-12	X	.004	.004	0	%100
19	GSI-1	X	.004	.004	0	%100
20	GSI-1A	X	.006	.006	0	%100
21	GSI-2	X	.004	.004	0	%100
22	GSI-2A	X	.004	.004	0	%100
23	GSI-3	X	.004	.004	0	%100
24	GSI-4	X	.005	.005	0	%100
25	GSI-4A	X	.006	.006	0	%100
26	GSI-5	X	.005	.005	0	%100
27	GSI-5A	X	.005	.005	0	%100
28	GSI-6	X	.005	.005	0	%100
29	GSI-7	X	.004	.004	0	%100
30	GSI-7A	X	.006	.006	0	%100
31	GSI-8	X	.004	.004	0	%100
32	GSI-8A	X	.004	.004	0	%100
33	GSI-9	X	.004	.004	0	%100
34	INT-1	X	.004	.004	0	%100
35	INT-2	X	.004	.004	0	%100
36	INT-3	X	.004	.004	0	%100
37	INT-4	X	.005	.005	0	%100
38	INT-5	X	.005	.005	0	%100
39	INT-6	X	.004	.004	0	%100
40	INT-7	X	.004	.004	0	%100
41	INT-8	X	.004	.004	0	%100
42	INT-9	X	.004	.004	0	%100
43	INT-10	X	.005	.005	0	%100
44	INT-11	X	.005	.005	0	%100
45	INT-12	X	.004	.004	0	%100
46	MP-1	X	.003	.003	0	%100
47	MP-2	X	.004	.004	0	%100
48	MP-3	X	.004	.004	0	%100
49	MP-4	X	.003	.003	0	%100
50	MP-5	X	.003	.003	0	%100
51	MP-6	X	.004	.004	0	%100
52	MP-7	X	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
53	MP-8	X	.003	.003	0	%100
54	MP-9	X	.003	.003	0	%100
55	MP-10	X	.004	.004	0	%100
56	MP-11	X	.004	.004	0	%100
57	MP-12	X	.003	.003	0	%100
58	ST1-V1	X	.003	.003	0	%100
59	ST1-V2	X	.003	.003	0	%100
60	ST2-V1	X	.003	.003	0	%100
61	ST2-V2	X	.003	.003	0	%100
62	ST3-V1	X	.003	.003	0	%100
63	ST3-V2	X	.003	.003	0	%100
64	STAB-1B	X	.003	.003	0	%100
65	STAB-1U	X	.003	.003	0	%100
66	STAB-2B	X	.003	.003	0	%100
67	STAB-2U	X	.003	.003	0	%100
68	STAB-3B	X	.003	.003	0	%100
69	STAB-3U	X	.003	.003	0	%100
70	ST1-H1	X	.003	.003	0	%100
71	ST1-H2	X	.003	.003	0	%100
72	ST2-H1	X	.003	.003	0	%100
73	ST2-H2	X	.003	.003	0	%100
74	ST3-H1	X	.003	.003	0	%100
75	ST3-H2	X	.003	.003	0	%100
76	M147A	X	.002	.002	0	%100
77	M167	X	.002	.002	0	%100
78	ST1-D1	X	.002	.002	0	%100
79	SA-1	X	.006	.006	0	%100
80	SA-2	X	.006	.006	0	%100
81	SA-3	X	.006	.006	0	%100
82	SA-4	X	.006	.006	0	%100
83	SA-5	X	.006	.006	0	%100
84	SA-6	X	.006	.006	0	%100
85	SA-1B	X	.006	.006	0	%100
86	SA-2B	X	.006	.006	0	%100
87	SA-3B	X	.006	.006	0	%100
88	SA-4B	X	.006	.006	0	%100
89	SA-5B	X	.006	.006	0	%100
90	SA-6B	X	.006	.006	0	%100
91	SR-1	X	.004	.004	0	%100
92	SR-2	X	.003	.003	0	%100
93	SR-3	X	.003	.003	0	%100
94	SRC-1	X	.005	.005	0	%100
95	SRC-2	X	.005	.005	0	%100
96	SRC-3	X	.005	.005	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	EC-1	X	.007	.007	0	%100
2	EC-2	X	.007	.007	0	%100
3	EC-3	X	0	0	0	%100
4	FFTH-1	X	.006	.006	0	%100

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

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

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
57	MP-12	X	.003	.003	0	%100
58	ST1-V1	X	.003	.003	0	%100
59	ST1-V2	X	.003	.003	0	%100
60	ST2-V1	X	.003	.003	0	%100
61	ST2-V2	X	.003	.003	0	%100
62	ST3-V1	X	.003	.003	0	%100
63	ST3-V2	X	.003	.003	0	%100
64	STAB-1B	X	.000872	.000872	0	%100
65	STAB-1U	X	.000872	.000872	0	%100
66	STAB-2B	X	.001	.001	0	%100
67	STAB-2U	X	.001	.001	0	%100
68	STAB-3B	X	.003	.003	0	%100
69	STAB-3U	X	.003	.003	0	%100
70	ST1-H1	X	.001	.001	0	%100
71	ST1-H2	X	.001	.001	0	%100
72	ST2-H1	X	.002	.002	0	%100
73	ST2-H2	X	.002	.002	0	%100
74	ST3-H1	X	.001	.001	0	%100
75	ST3-H2	X	.001	.001	0	%100
76	M147A	X	.002	.002	0	%100
77	M167	X	.002	.002	0	%100
78	ST1-D1	X	.002	.002	0	%100
79	SA-1	X	.005	.005	0	%100
80	SA-2	X	0	0	0	%100
81	SA-3	X	.005	.005	0	%100
82	SA-4	X	.005	.005	0	%100
83	SA-5	X	0	0	0	%100
84	SA-6	X	.005	.005	0	%100
85	SA-1B	X	.004	.004	0	%100
86	SA-2B	X	0	0	0	%100
87	SA-3B	X	.005	.005	0	%100
88	SA-4B	X	.004	.004	0	%100
89	SA-5B	X	0	0	0	%100
90	SA-6B	X	.005	.005	0	%100
91	SR-1	X	.003	.003	0	%100
92	SR-2	X	0	0	0	%100
93	SR-3	X	.002	.002	0	%100
94	SRC-1	X	.004	.004	0	%100
95	SRC-2	X	.004	.004	0	%100
96	SRC-3	X	0	0	0	%100
97	EC-1	Z	.004	.004	0	%100
98	EC-2	Z	.003	.003	0	%100
99	EC-3	Z	0	0	0	%100
100	FFTH-1	Z	.003	.003	0	%100
101	FFTH-2	Z	0	0	0	%100
102	FFTH-3	Z	.003	.003	0	%100
103	GS-1	Z	.002	.002	0	%100
104	GS-2	Z	.002	.002	0	%100
105	GS-3	Z	.002	.002	0	%100
106	GS-4	Z	.002	.002	0	%100
107	GS-5	Z	0	0	0	%100
108	GS-6	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	GS-7	Z	0	0	0	%100
110	GS-8	Z	0	0	0	%100
111	GS-9	Z	.002	.002	0	%100
112	GS-10	Z	.002	.002	0	%100
113	GS-11	Z	.002	.002	0	%100
114	GS-12	Z	.002	.002	0	%100
115	GSI-1	Z	.002	.002	0	%100
116	GSI-1A	Z	.002	.002	0	%100
117	GSI-2	Z	.002	.002	0	%100
118	GSI-2A	Z	.002	.002	0	%100
119	GSI-3	Z	.002	.002	0	%100
120	GSI-4	Z	.002	.002	0	%100
121	GSI-4A	Z	.002	.002	0	%100
122	GSI-5	Z	.002	.002	0	%100
123	GSI-5A	Z	.002	.002	0	%100
124	GSI-6	Z	.002	.002	0	%100
125	GSI-7	Z	0	0	0	%100
126	GSI-7A	Z	0	0	0	%100
127	GSI-8	Z	0	0	0	%100
128	GSI-8A	Z	0	0	0	%100
129	GSI-9	Z	0	0	0	%100
130	INT-1	Z	.002	.002	0	%100
131	INT-2	Z	0	0	0	%100
132	INT-3	Z	0	0	0	%100
133	INT-4	Z	.002	.002	0	%100
134	INT-5	Z	.002	.002	0	%100
135	INT-6	Z	.002	.002	0	%100
136	INT-7	Z	.002	.002	0	%100
137	INT-8	Z	0	0	0	%100
138	INT-9	Z	0	0	0	%100
139	INT-10	Z	.002	.002	0	%100
140	INT-11	Z	.002	.002	0	%100
141	INT-12	Z	.002	.002	0	%100
142	MP-1	Z	.002	.002	0	%100
143	MP-2	Z	.002	.002	0	%100
144	MP-3	Z	.002	.002	0	%100
145	MP-4	Z	.002	.002	0	%100
146	MP-5	Z	.002	.002	0	%100
147	MP-6	Z	.002	.002	0	%100
148	MP-7	Z	.002	.002	0	%100
149	MP-8	Z	.002	.002	0	%100
150	MP-9	Z	.002	.002	0	%100
151	MP-10	Z	.002	.002	0	%100
152	MP-11	Z	.002	.002	0	%100
153	MP-12	Z	.002	.002	0	%100
154	ST1-V1	Z	.002	.002	0	%100
155	ST1-V2	Z	.002	.002	0	%100
156	ST2-V1	Z	.002	.002	0	%100
157	ST2-V2	Z	.002	.002	0	%100
158	ST3-V1	Z	.002	.002	0	%100
159	ST3-V2	Z	.002	.002	0	%100
160	STAB-1B	Z	.000488	.000488	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
161	STAB-1U	Z	.000488	.000488	0	%100
162	STAB-2B	Z	.000975	.000975	0	%100
163	STAB-2U	Z	.000975	.000975	0	%100
164	STAB-3B	Z	.001	.001	0	%100
165	STAB-3U	Z	.001	.001	0	%100
166	ST1-H1	Z	.000728	.000728	0	%100
167	ST1-H2	Z	.000728	.000728	0	%100
168	ST2-H1	Z	.001	.001	0	%100
169	ST2-H2	Z	.001	.001	0	%100
170	ST3-H1	Z	.000688	.000688	0	%100
171	ST3-H2	Z	.000688	.000688	0	%100
172	M147A	Z	.001	.001	0	%100
173	M167	Z	.001	.001	0	%100
174	ST1-D1	Z	.001	.001	0	%100
175	SA-1	Z	.003	.003	0	%100
176	SA-2	Z	0	0	0	%100
177	SA-3	Z	.002	.002	0	%100
178	SA-4	Z	.003	.003	0	%100
179	SA-5	Z	0	0	0	%100
180	SA-6	Z	.002	.002	0	%100
181	SA-1B	Z	.003	.003	0	%100
182	SA-2B	Z	0	0	0	%100
183	SA-3B	Z	.002	.002	0	%100
184	SA-4B	Z	.003	.003	0	%100
185	SA-5B	Z	0	0	0	%100
186	SA-6B	Z	.002	.002	0	%100
187	SR-1	Z	.002	.002	0	%100
188	SR-2	Z	0	0	0	%100
189	SR-3	Z	.002	.002	0	%100
190	SRC-1	Z	.002	.002	0	%100
191	SRC-2	Z	.002	.002	0	%100
192	SRC-3	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	EC-1	X	.006	.006	0	%100
2	EC-2	X	.004	.004	0	%100
3	EC-3	X	.002	.002	0	%100
4	FFTH-1	X	.004	.004	0	%100
5	FFTH-2	X	.001	.001	0	%100
6	FFTH-3	X	.004	.004	0	%100
7	GS-1	X	.002	.002	0	%100
8	GS-2	X	.002	.002	0	%100
9	GS-3	X	.002	.002	0	%100
10	GS-4	X	.002	.002	0	%100
11	GS-5	X	.000808	.000808	0	%100
12	GS-6	X	.000813	.000813	0	%100
13	GS-7	X	.000808	.000808	0	%100
14	GS-8	X	.00081	.00081	0	%100
15	GS-9	X	.003	.003	0	%100
16	GS-10	X	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	GS-11	X	.003	.003	0	%100
18	GS-12	X	.003	.003	0	%100
19	GSI-1	X	.003	.003	0	%100
20	GSI-1A	X	.004	.004	0	%100
21	GSI-2	X	.003	.003	0	%100
22	GSI-2A	X	.003	.003	0	%100
23	GSI-3	X	.003	.003	0	%100
24	GSI-4	X	.002	.002	0	%100
25	GSI-4A	X	.003	.003	0	%100
26	GSI-5	X	.003	.003	0	%100
27	GSI-5A	X	.003	.003	0	%100
28	GSI-6	X	.002	.002	0	%100
29	GSI-7	X	.000805	.000805	0	%100
30	GSI-7A	X	.001	.001	0	%100
31	GSI-8	X	.000817	.000817	0	%100
32	GSI-8A	X	.000821	.000821	0	%100
33	GSI-9	X	.00081	.00081	0	%100
34	INT-1	X	.003	.003	0	%100
35	INT-2	X	.000809	.000809	0	%100
36	INT-3	X	.000803	.000803	0	%100
37	INT-4	X	.002	.002	0	%100
38	INT-5	X	.002	.002	0	%100
39	INT-6	X	.003	.003	0	%100
40	INT-7	X	.003	.003	0	%100
41	INT-8	X	.000803	.000803	0	%100
42	INT-9	X	.000809	.000809	0	%100
43	INT-10	X	.002	.002	0	%100
44	INT-11	X	.002	.002	0	%100
45	INT-12	X	.003	.003	0	%100
46	MP-1	X	.002	.002	0	%100
47	MP-2	X	.003	.003	0	%100
48	MP-3	X	.002	.002	0	%100
49	MP-4	X	.002	.002	0	%100
50	MP-5	X	.002	.002	0	%100
51	MP-6	X	.003	.003	0	%100
52	MP-7	X	.002	.002	0	%100
53	MP-8	X	.002	.002	0	%100
54	MP-9	X	.002	.002	0	%100
55	MP-10	X	.003	.003	0	%100
56	MP-11	X	.002	.002	0	%100
57	MP-12	X	.002	.002	0	%100
58	ST1-V1	X	.002	.002	0	%100
59	ST1-V2	X	.002	.002	0	%100
60	ST2-V1	X	.002	.002	0	%100
61	ST2-V2	X	.002	.002	0	%100
62	ST3-V1	X	.002	.002	0	%100
63	ST3-V2	X	.002	.002	0	%100
64	STAB-1B	X	.000189	.000189	0	%100
65	STAB-1U	X	.000189	.000189	0	%100
66	STAB-2B	X	.001	.001	0	%100
67	STAB-2U	X	.001	.001	0	%100
68	STAB-3B	X	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
69	STAB-3U	X	.002	.002	0	%100
70	ST1-H1	X	.001	.001	0	%100
71	ST1-H2	X	.001	.001	0	%100
72	ST2-H1	X	.002	.002	0	%100
73	ST2-H2	X	.002	.002	0	%100
74	ST3-H1	X	.000525	.000525	0	%100
75	ST3-H2	X	.000525	.000525	0	%100
76	M147A	X	.001	.001	0	%100
77	M167	X	.001	.001	0	%100
78	ST1-D1	X	.001	.001	0	%100
79	SA-1	X	.004	.004	0	%100
80	SA-2	X	.001	.001	0	%100
81	SA-3	X	.003	.003	0	%100
82	SA-4	X	.004	.004	0	%100
83	SA-5	X	.001	.001	0	%100
84	SA-6	X	.003	.003	0	%100
85	SA-1B	X	.004	.004	0	%100
86	SA-2B	X	.001	.001	0	%100
87	SA-3B	X	.003	.003	0	%100
88	SA-4B	X	.004	.004	0	%100
89	SA-5B	X	.001	.001	0	%100
90	SA-6B	X	.003	.003	0	%100
91	SR-1	X	.002	.002	0	%100
92	SR-2	X	.000601	.000601	0	%100
93	SR-3	X	.002	.002	0	%100
94	SRC-1	X	.003	.003	0	%100
95	SRC-2	X	.003	.003	0	%100
96	SRC-3	X	.000934	.000934	0	%100
97	EC-1	Z	.006	.006	0	%100
98	EC-2	Z	.004	.004	0	%100
99	EC-3	Z	.002	.002	0	%100
100	FFTH-1	Z	.003	.003	0	%100
101	FFTH-2	Z	.001	.001	0	%100
102	FFTH-3	Z	.005	.005	0	%100
103	GS-1	Z	.002	.002	0	%100
104	GS-2	Z	.002	.002	0	%100
105	GS-3	Z	.002	.002	0	%100
106	GS-4	Z	.002	.002	0	%100
107	GS-5	Z	.000884	.000884	0	%100
108	GS-6	Z	.000892	.000892	0	%100
109	GS-7	Z	.000884	.000884	0	%100
110	GS-8	Z	.000854	.000854	0	%100
111	GS-9	Z	.003	.003	0	%100
112	GS-10	Z	.003	.003	0	%100
113	GS-11	Z	.003	.003	0	%100
114	GS-12	Z	.003	.003	0	%100
115	GSI-1	Z	.003	.003	0	%100
116	GSI-1A	Z	.004	.004	0	%100
117	GSI-2	Z	.003	.003	0	%100
118	GSI-2A	Z	.003	.003	0	%100
119	GSI-3	Z	.003	.003	0	%100
120	GSI-4	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	GSI-4A	Z	.003	.003	0	%100
122	GSI-5	Z	.002	.002	0	%100
123	GSI-5A	Z	.002	.002	0	%100
124	GSI-6	Z	.002	.002	0	%100
125	GSI-7	Z	.000854	.000854	0	%100
126	GSI-7A	Z	.001	.001	0	%100
127	GSI-8	Z	.000898	.000898	0	%100
128	GSI-8A	Z	.000903	.000903	0	%100
129	GSI-9	Z	.000854	.000854	0	%100
130	INT-1	Z	.003	.003	0	%100
131	INT-2	Z	.000854	.000854	0	%100
132	INT-3	Z	.000857	.000857	0	%100
133	INT-4	Z	.002	.002	0	%100
134	INT-5	Z	.002	.002	0	%100
135	INT-6	Z	.003	.003	0	%100
136	INT-7	Z	.003	.003	0	%100
137	INT-8	Z	.000857	.000857	0	%100
138	INT-9	Z	.000854	.000854	0	%100
139	INT-10	Z	.002	.002	0	%100
140	INT-11	Z	.002	.002	0	%100
141	INT-12	Z	.003	.003	0	%100
142	MP-1	Z	.002	.002	0	%100
143	MP-2	Z	.003	.003	0	%100
144	MP-3	Z	.003	.003	0	%100
145	MP-4	Z	.003	.003	0	%100
146	MP-5	Z	.002	.002	0	%100
147	MP-6	Z	.003	.003	0	%100
148	MP-7	Z	.003	.003	0	%100
149	MP-8	Z	.003	.003	0	%100
150	MP-9	Z	.002	.002	0	%100
151	MP-10	Z	.003	.003	0	%100
152	MP-11	Z	.003	.003	0	%100
153	MP-12	Z	.003	.003	0	%100
154	ST1-V1	Z	.002	.002	0	%100
155	ST1-V2	Z	.002	.002	0	%100
156	ST2-V1	Z	.002	.002	0	%100
157	ST2-V2	Z	.002	.002	0	%100
158	ST3-V1	Z	.002	.002	0	%100
159	ST3-V2	Z	.002	.002	0	%100
160	STAB-1B	Z	.000183	.000183	0	%100
161	STAB-1U	Z	.000183	.000183	0	%100
162	STAB-2B	Z	.002	.002	0	%100
163	STAB-2U	Z	.002	.002	0	%100
164	STAB-3B	Z	.002	.002	0	%100
165	STAB-3U	Z	.002	.002	0	%100
166	ST1-H1	Z	.001	.001	0	%100
167	ST1-H2	Z	.001	.001	0	%100
168	ST2-H1	Z	.002	.002	0	%100
169	ST2-H2	Z	.002	.002	0	%100
170	ST3-H1	Z	.000503	.000503	0	%100
171	ST3-H2	Z	.000503	.000503	0	%100
172	M147A	Z	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
Checked By: NPD

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,%]
173	M167	Z	.002	.002	0	%100
174	ST1-D1	Z	.002	.002	0	%100
175	SA-1	Z	.004	.004	0	%100
176	SA-2	Z	.001	.001	0	%100
177	SA-3	Z	.003	.003	0	%100
178	SA-4	Z	.004	.004	0	%100
179	SA-5	Z	.001	.001	0	%100
180	SA-6	Z	.003	.003	0	%100
181	SA-1B	Z	.004	.004	0	%100
182	SA-2B	Z	.001	.001	0	%100
183	SA-3B	Z	.003	.003	0	%100
184	SA-4B	Z	.004	.004	0	%100
185	SA-5B	Z	.001	.001	0	%100
186	SA-6B	Z	.003	.003	0	%100
187	SR-1	Z	.002	.002	0	%100
188	SR-2	Z	.000736	.000736	0	%100
189	SR-3	Z	.003	.003	0	%100
190	SRC-1	Z	.004	.004	0	%100
191	SRC-2	Z	.002	.002	0	%100
192	SRC-3	Z	.000944	.000944	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	EC-1	X	.004	.004	0	%100
2	EC-2	X	.002	.002	0	%100
3	EC-3	X	.002	.002	0	%100
4	FFTH-1	X	.002	.002	0	%100
5	FFTH-2	X	.002	.002	0	%100
6	FFTH-3	X	.003	.003	0	%100
7	GS-1	X	.001	.001	0	%100
8	GS-2	X	.001	.001	0	%100
9	GS-3	X	.001	.001	0	%100
10	GS-4	X	.001	.001	0	%100
11	GS-5	X	.001	.001	0	%100
12	GS-6	X	.001	.001	0	%100
13	GS-7	X	.001	.001	0	%100
14	GS-8	X	.001	.001	0	%100
15	GS-9	X	.002	.002	0	%100
16	GS-10	X	.002	.002	0	%100
17	GS-11	X	.002	.002	0	%100
18	GS-12	X	.002	.002	0	%100
19	GSI-1	X	.002	.002	0	%100
20	GSI-1A	X	.003	.003	0	%100
21	GSI-2	X	.002	.002	0	%100
22	GSI-2A	X	.002	.002	0	%100
23	GSI-3	X	.002	.002	0	%100
24	GSI-4	X	.001	.001	0	%100
25	GSI-4A	X	.001	.001	0	%100
26	GSI-5	X	.001	.001	0	%100
27	GSI-5A	X	.001	.001	0	%100
28	GSI-6	X	.001	.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	GSI-7	X	.001	.001	0	%100
30	GSI-7A	X	.001	.001	0	%100
31	GSI-8	X	.001	.001	0	%100
32	GSI-8A	X	.001	.001	0	%100
33	GSI-9	X	.001	.001	0	%100
34	INT-1	X	.002	.002	0	%100
35	INT-2	X	.001	.001	0	%100
36	INT-3	X	.001	.001	0	%100
37	INT-4	X	.001	.001	0	%100
38	INT-5	X	.001	.001	0	%100
39	INT-6	X	.002	.002	0	%100
40	INT-7	X	.002	.002	0	%100
41	INT-8	X	.001	.001	0	%100
42	INT-9	X	.001	.001	0	%100
43	INT-10	X	.001	.001	0	%100
44	INT-11	X	.001	.001	0	%100
45	INT-12	X	.002	.002	0	%100
46	MP-1	X	.001	.001	0	%100
47	MP-2	X	.002	.002	0	%100
48	MP-3	X	.002	.002	0	%100
49	MP-4	X	.002	.002	0	%100
50	MP-5	X	.001	.001	0	%100
51	MP-6	X	.002	.002	0	%100
52	MP-7	X	.002	.002	0	%100
53	MP-8	X	.002	.002	0	%100
54	MP-9	X	.001	.001	0	%100
55	MP-10	X	.002	.002	0	%100
56	MP-11	X	.002	.002	0	%100
57	MP-12	X	.002	.002	0	%100
58	ST1-V1	X	.001	.001	0	%100
59	ST1-V2	X	.001	.001	0	%100
60	ST2-V1	X	.001	.001	0	%100
61	ST2-V2	X	.001	.001	0	%100
62	ST3-V1	X	.001	.001	0	%100
63	ST3-V2	X	.001	.001	0	%100
64	STAB-1B	X	.000246	.000246	0	%100
65	STAB-1U	X	.000246	.000246	0	%100
66	STAB-2B	X	.001	.001	0	%100
67	STAB-2U	X	.001	.001	0	%100
68	STAB-3B	X	.001	.001	0	%100
69	STAB-3U	X	.001	.001	0	%100
70	ST1-H1	X	.001	.001	0	%100
71	ST1-H2	X	.001	.001	0	%100
72	ST2-H1	X	.001	.001	0	%100
73	ST2-H2	X	.001	.001	0	%100
74	ST3-H1	X	0	0	0	%100
75	ST3-H2	X	0	0	0	%100
76	M147A	X	.001	.001	0	%100
77	M167	X	.001	.001	0	%100
78	ST1-D1	X	.001	.001	0	%100
79	SA-1	X	.003	.003	0	%100
80	SA-2	X	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
81	SA-3	X	.002	.002	0	%100
82	SA-4	X	.003	.003	0	%100
83	SA-5	X	.002	.002	0	%100
84	SA-6	X	.002	.002	0	%100
85	SA-1B	X	.003	.003	0	%100
86	SA-2B	X	.001	.001	0	%100
87	SA-3B	X	.002	.002	0	%100
88	SA-4B	X	.003	.003	0	%100
89	SA-5B	X	.001	.001	0	%100
90	SA-6B	X	.002	.002	0	%100
91	SR-1	X	.001	.001	0	%100
92	SR-2	X	.000821	.000821	0	%100
93	SR-3	X	.002	.002	0	%100
94	SRC-1	X	.003	.003	0	%100
95	SRC-2	X	.001	.001	0	%100
96	SRC-3	X	.001	.001	0	%100
97	EC-1	Z	.008	.008	0	%100
98	EC-2	Z	.003	.003	0	%100
99	EC-3	Z	.004	.004	0	%100
100	FFTH-1	Z	.003	.003	0	%100
101	FFTH-2	Z	.003	.003	0	%100
102	FFTH-3	Z	.006	.006	0	%100
103	GS-1	Z	.002	.002	0	%100
104	GS-2	Z	.002	.002	0	%100
105	GS-3	Z	.002	.002	0	%100
106	GS-4	Z	.002	.002	0	%100
107	GS-5	Z	.002	.002	0	%100
108	GS-6	Z	.002	.002	0	%100
109	GS-7	Z	.002	.002	0	%100
110	GS-8	Z	.002	.002	0	%100
111	GS-9	Z	.004	.004	0	%100
112	GS-10	Z	.004	.004	0	%100
113	GS-11	Z	.004	.004	0	%100
114	GS-12	Z	.004	.004	0	%100
115	GSI-1	Z	.004	.004	0	%100
116	GSI-1A	Z	.005	.005	0	%100
117	GSI-2	Z	.004	.004	0	%100
118	GSI-2A	Z	.004	.004	0	%100
119	GSI-3	Z	.004	.004	0	%100
120	GSI-4	Z	.002	.002	0	%100
121	GSI-4A	Z	.002	.002	0	%100
122	GSI-5	Z	.002	.002	0	%100
123	GSI-5A	Z	.002	.002	0	%100
124	GSI-6	Z	.002	.002	0	%100
125	GSI-7	Z	.002	.002	0	%100
126	GSI-7A	Z	.002	.002	0	%100
127	GSI-8	Z	.002	.002	0	%100
128	GSI-8A	Z	.002	.002	0	%100
129	GSI-9	Z	.002	.002	0	%100
130	INT-1	Z	.004	.004	0	%100
131	INT-2	Z	.002	.002	0	%100
132	INT-3	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
133	INT-4	Z	.002	.002	0	%100
134	INT-5	Z	.002	.002	0	%100
135	INT-6	Z	.004	.004	0	%100
136	INT-7	Z	.004	.004	0	%100
137	INT-8	Z	.002	.002	0	%100
138	INT-9	Z	.002	.002	0	%100
139	INT-10	Z	.002	.002	0	%100
140	INT-11	Z	.002	.002	0	%100
141	INT-12	Z	.004	.004	0	%100
142	MP-1	Z	.003	.003	0	%100
143	MP-2	Z	.003	.003	0	%100
144	MP-3	Z	.003	.003	0	%100
145	MP-4	Z	.003	.003	0	%100
146	MP-5	Z	.003	.003	0	%100
147	MP-6	Z	.003	.003	0	%100
148	MP-7	Z	.003	.003	0	%100
149	MP-8	Z	.003	.003	0	%100
150	MP-9	Z	.003	.003	0	%100
151	MP-10	Z	.003	.003	0	%100
152	MP-11	Z	.003	.003	0	%100
153	MP-12	Z	.003	.003	0	%100
154	ST1-V1	Z	.003	.003	0	%100
155	ST1-V2	Z	.003	.003	0	%100
156	ST2-V1	Z	.003	.003	0	%100
157	ST2-V2	Z	.003	.003	0	%100
158	ST3-V1	Z	.003	.003	0	%100
159	ST3-V2	Z	.003	.003	0	%100
160	STAB-1B	Z	.000413	.000413	0	%100
161	STAB-1U	Z	.000413	.000413	0	%100
162	STAB-2B	Z	.002	.002	0	%100
163	STAB-2U	Z	.002	.002	0	%100
164	STAB-3B	Z	.002	.002	0	%100
165	STAB-3U	Z	.002	.002	0	%100
166	ST1-H1	Z	.002	.002	0	%100
167	ST1-H2	Z	.002	.002	0	%100
168	ST2-H1	Z	.002	.002	0	%100
169	ST2-H2	Z	.002	.002	0	%100
170	ST3-H1	Z	0	0	0	%100
171	ST3-H2	Z	0	0	0	%100
172	M147A	Z	.002	.002	0	%100
173	M167	Z	.002	.002	0	%100
174	ST1-D1	Z	.002	.002	0	%100
175	SA-1	Z	.006	.006	0	%100
176	SA-2	Z	.003	.003	0	%100
177	SA-3	Z	.002	.002	0	%100
178	SA-4	Z	.006	.006	0	%100
179	SA-5	Z	.003	.003	0	%100
180	SA-6	Z	.002	.002	0	%100
181	SA-1B	Z	.005	.005	0	%100
182	SA-2B	Z	.003	.003	0	%100
183	SA-3B	Z	.002	.002	0	%100
184	SA-4B	Z	.005	.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
185	SA-5B	Z	.003	.003	0	%100
186	SA-6B	Z	.002	.002	0	%100
187	SR-1	Z	.002	.002	0	%100
188	SR-2	Z	.002	.002	0	%100
189	SR-3	Z	.003	.003	0	%100
190	SRC-1	Z	.004	.004	0	%100
191	SRC-2	Z	.002	.002	0	%100
192	SRC-3	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	EC-1	Z	.008	.008	0	%100
2	EC-2	Z	0	0	0	%100
3	EC-3	Z	.008	.008	0	%100
4	FFTH-1	Z	0	0	0	%100
5	FFTH-2	Z	.006	.006	0	%100
6	FFTH-3	Z	.006	.006	0	%100
7	GS-1	Z	0	0	0	%100
8	GS-2	Z	0	0	0	%100
9	GS-3	Z	0	0	0	%100
10	GS-4	Z	0	0	0	%100
11	GS-5	Z	.004	.004	0	%100
12	GS-6	Z	.004	.004	0	%100
13	GS-7	Z	.004	.004	0	%100
14	GS-8	Z	.004	.004	0	%100
15	GS-9	Z	.004	.004	0	%100
16	GS-10	Z	.004	.004	0	%100
17	GS-11	Z	.004	.004	0	%100
18	GS-12	Z	.004	.004	0	%100
19	GSI-1	Z	.004	.004	0	%100
20	GSI-1A	Z	.005	.005	0	%100
21	GSI-2	Z	.004	.004	0	%100
22	GSI-2A	Z	.004	.004	0	%100
23	GSI-3	Z	.004	.004	0	%100
24	GSI-4	Z	0	0	0	%100
25	GSI-4A	Z	0	0	0	%100
26	GSI-5	Z	0	0	0	%100
27	GSI-5A	Z	0	0	0	%100
28	GSI-6	Z	0	0	0	%100
29	GSI-7	Z	.004	.004	0	%100
30	GSI-7A	Z	.005	.005	0	%100
31	GSI-8	Z	.004	.004	0	%100
32	GSI-8A	Z	.004	.004	0	%100
33	GSI-9	Z	.004	.004	0	%100
34	INT-1	Z	.004	.004	0	%100
35	INT-2	Z	.004	.004	0	%100
36	INT-3	Z	.004	.004	0	%100
37	INT-4	Z	0	0	0	%100
38	INT-5	Z	0	0	0	%100
39	INT-6	Z	.004	.004	0	%100
40	INT-7	Z	.004	.004	0	%100

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,%]
41	INT-8	Z	.004	.004	0	%100
42	INT-9	Z	.004	.004	0	%100
43	INT-10	Z	0	0	0	%100
44	INT-11	Z	0	0	0	%100
45	INT-12	Z	.004	.004	0	%100
46	MP-1	Z	.003	.003	0	%100
47	MP-2	Z	.004	.004	0	%100
48	MP-3	Z	.004	.004	0	%100
49	MP-4	Z	.004	.004	0	%100
50	MP-5	Z	.003	.003	0	%100
51	MP-6	Z	.004	.004	0	%100
52	MP-7	Z	.004	.004	0	%100
53	MP-8	Z	.004	.004	0	%100
54	MP-9	Z	.003	.003	0	%100
55	MP-10	Z	.004	.004	0	%100
56	MP-11	Z	.004	.004	0	%100
57	MP-12	Z	.004	.004	0	%100
58	ST1-V1	Z	.003	.003	0	%100
59	ST1-V2	Z	.003	.003	0	%100
60	ST2-V1	Z	.003	.003	0	%100
61	ST2-V2	Z	.003	.003	0	%100
62	ST3-V1	Z	.003	.003	0	%100
63	ST3-V2	Z	.003	.003	0	%100
64	STAB-1B	Z	.002	.002	0	%100
65	STAB-1U	Z	.002	.002	0	%100
66	STAB-2B	Z	.003	.003	0	%100
67	STAB-2U	Z	.003	.003	0	%100
68	STAB-3B	Z	.000909	.000909	0	%100
69	STAB-3U	Z	.000909	.000909	0	%100
70	ST1-H1	Z	.003	.003	0	%100
71	ST1-H2	Z	.003	.003	0	%100
72	ST2-H1	Z	.001	.001	0	%100
73	ST2-H2	Z	.001	.001	0	%100
74	ST3-H1	Z	.001	.001	0	%100
75	ST3-H2	Z	.001	.001	0	%100
76	M147A	Z	.002	.002	0	%100
77	M167	Z	.002	.002	0	%100
78	ST1-D1	Z	.002	.002	0	%100
79	SA-1	Z	.006	.006	0	%100
80	SA-2	Z	.006	.006	0	%100
81	SA-3	Z	0	0	0	%100
82	SA-4	Z	.006	.006	0	%100
83	SA-5	Z	.006	.006	0	%100
84	SA-6	Z	0	0	0	%100
85	SA-1B	Z	.005	.005	0	%100
86	SA-2B	Z	.005	.005	0	%100
87	SA-3B	Z	0	0	0	%100
88	SA-4B	Z	.005	.005	0	%100
89	SA-5B	Z	.005	.005	0	%100
90	SA-6B	Z	0	0	0	%100
91	SR-1	Z	0	0	0	%100
92	SR-2	Z	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
93	SR-3	Z	.003	.003	0	%100
94	SRC-1	Z	.004	.004	0	%100
95	SRC-2	Z	0	0	0	%100
96	SRC-3	Z	.004	.004	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	EC-1	X	-.002	-.002	0	%100
2	EC-2	X	-.002	-.002	0	%100
3	EC-3	X	-.004	-.004	0	%100
4	FFTH-1	X	-.002	-.002	0	%100
5	FFTH-2	X	-.003	-.003	0	%100
6	FFTH-3	X	-.002	-.002	0	%100
7	GS-1	X	-.001	-.001	0	%100
8	GS-2	X	-.001	-.001	0	%100
9	GS-3	X	-.001	-.001	0	%100
10	GS-4	X	-.001	-.001	0	%100
11	GS-5	X	-.002	-.002	0	%100
12	GS-6	X	-.002	-.002	0	%100
13	GS-7	X	-.002	-.002	0	%100
14	GS-8	X	-.002	-.002	0	%100
15	GS-9	X	-.001	-.001	0	%100
16	GS-10	X	-.001	-.001	0	%100
17	GS-11	X	-.001	-.001	0	%100
18	GS-12	X	-.001	-.001	0	%100
19	GSI-1	X	-.001	-.001	0	%100
20	GSI-1A	X	-.001	-.001	0	%100
21	GSI-2	X	-.001	-.001	0	%100
22	GSI-2A	X	-.001	-.001	0	%100
23	GSI-3	X	-.001	-.001	0	%100
24	GSI-4	X	-.001	-.001	0	%100
25	GSI-4A	X	-.001	-.001	0	%100
26	GSI-5	X	-.001	-.001	0	%100
27	GSI-5A	X	-.001	-.001	0	%100
28	GSI-6	X	-.001	-.001	0	%100
29	GSI-7	X	-.002	-.002	0	%100
30	GSI-7A	X	-.003	-.003	0	%100
31	GSI-8	X	-.002	-.002	0	%100
32	GSI-8A	X	-.002	-.002	0	%100
33	GSI-9	X	-.002	-.002	0	%100
34	INT-1	X	-.001	-.001	0	%100
35	INT-2	X	-.002	-.002	0	%100
36	INT-3	X	-.002	-.002	0	%100
37	INT-4	X	-.001	-.001	0	%100
38	INT-5	X	-.001	-.001	0	%100
39	INT-6	X	-.001	-.001	0	%100
40	INT-7	X	-.001	-.001	0	%100
41	INT-8	X	-.002	-.002	0	%100
42	INT-9	X	-.002	-.002	0	%100
43	INT-10	X	-.001	-.001	0	%100
44	INT-11	X	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	INT-12	X	-.001	-.001	0	%100
46	MP-1	X	-.001	-.001	0	%100
47	MP-2	X	-.002	-.002	0	%100
48	MP-3	X	-.002	-.002	0	%100
49	MP-4	X	-.002	-.002	0	%100
50	MP-5	X	-.001	-.001	0	%100
51	MP-6	X	-.002	-.002	0	%100
52	MP-7	X	-.002	-.002	0	%100
53	MP-8	X	-.002	-.002	0	%100
54	MP-9	X	-.001	-.001	0	%100
55	MP-10	X	-.002	-.002	0	%100
56	MP-11	X	-.002	-.002	0	%100
57	MP-12	X	-.002	-.002	0	%100
58	ST1-V1	X	-.001	-.001	0	%100
59	ST1-V2	X	-.001	-.001	0	%100
60	ST2-V1	X	-.001	-.001	0	%100
61	ST2-V2	X	-.001	-.001	0	%100
62	ST3-V1	X	-.001	-.001	0	%100
63	ST3-V2	X	-.001	-.001	0	%100
64	STAB-1B	X	-.001	-.001	0	%100
65	STAB-1U	X	-.001	-.001	0	%100
66	STAB-2B	X	-.000979	-.000979	0	%100
67	STAB-2U	X	-.000979	-.000979	0	%100
68	STAB-3B	X	-.000255	-.000255	0	%100
69	STAB-3U	X	-.000255	-.000255	0	%100
70	ST1-H1	X	-.001	-.001	0	%100
71	ST1-H2	X	-.001	-.001	0	%100
72	ST2-H1	X	0	0	0	%100
73	ST2-H2	X	0	0	0	%100
74	ST3-H1	X	-.001	-.001	0	%100
75	ST3-H2	X	-.001	-.001	0	%100
76	M147A	X	-.001	-.001	0	%100
77	M167	X	-.001	-.001	0	%100
78	ST1-D1	X	-.001	-.001	0	%100
79	SA-1	X	-.002	-.002	0	%100
80	SA-2	X	-.003	-.003	0	%100
81	SA-3	X	-.002	-.002	0	%100
82	SA-4	X	-.002	-.002	0	%100
83	SA-5	X	-.003	-.003	0	%100
84	SA-6	X	-.002	-.002	0	%100
85	SA-1B	X	-.001	-.001	0	%100
86	SA-2B	X	-.003	-.003	0	%100
87	SA-3B	X	-.002	-.002	0	%100
88	SA-4B	X	-.001	-.001	0	%100
89	SA-5B	X	-.003	-.003	0	%100
90	SA-6B	X	-.002	-.002	0	%100
91	SR-1	X	-.001	-.001	0	%100
92	SR-2	X	-.002	-.002	0	%100
93	SR-3	X	-.000821	-.000821	0	%100
94	SRC-1	X	-.001	-.001	0	%100
95	SRC-2	X	-.001	-.001	0	%100
96	SRC-3	X	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
97	EC-1	Z	.004	.004	0	%100
98	EC-2	Z	.003	.003	0	%100
99	EC-3	Z	.008	.008	0	%100
100	FFTH-1	Z	.003	.003	0	%100
101	FFTH-2	Z	.006	.006	0	%100
102	FFTH-3	Z	.003	.003	0	%100
103	GS-1	Z	.002	.002	0	%100
104	GS-2	Z	.002	.002	0	%100
105	GS-3	Z	.002	.002	0	%100
106	GS-4	Z	.002	.002	0	%100
107	GS-5	Z	.004	.004	0	%100
108	GS-6	Z	.004	.004	0	%100
109	GS-7	Z	.004	.004	0	%100
110	GS-8	Z	.004	.004	0	%100
111	GS-9	Z	.002	.002	0	%100
112	GS-10	Z	.002	.002	0	%100
113	GS-11	Z	.002	.002	0	%100
114	GS-12	Z	.002	.002	0	%100
115	GSI-1	Z	.002	.002	0	%100
116	GSI-1A	Z	.002	.002	0	%100
117	GSI-2	Z	.002	.002	0	%100
118	GSI-2A	Z	.002	.002	0	%100
119	GSI-3	Z	.002	.002	0	%100
120	GSI-4	Z	.002	.002	0	%100
121	GSI-4A	Z	.002	.002	0	%100
122	GSI-5	Z	.002	.002	0	%100
123	GSI-5A	Z	.002	.002	0	%100
124	GSI-6	Z	.002	.002	0	%100
125	GSI-7	Z	.004	.004	0	%100
126	GSI-7A	Z	.005	.005	0	%100
127	GSI-8	Z	.004	.004	0	%100
128	GSI-8A	Z	.004	.004	0	%100
129	GSI-9	Z	.004	.004	0	%100
130	INT-1	Z	.002	.002	0	%100
131	INT-2	Z	.004	.004	0	%100
132	INT-3	Z	.004	.004	0	%100
133	INT-4	Z	.002	.002	0	%100
134	INT-5	Z	.002	.002	0	%100
135	INT-6	Z	.002	.002	0	%100
136	INT-7	Z	.002	.002	0	%100
137	INT-8	Z	.004	.004	0	%100
138	INT-9	Z	.004	.004	0	%100
139	INT-10	Z	.002	.002	0	%100
140	INT-11	Z	.002	.002	0	%100
141	INT-12	Z	.002	.002	0	%100
142	MP-1	Z	.003	.003	0	%100
143	MP-2	Z	.003	.003	0	%100
144	MP-3	Z	.003	.003	0	%100
145	MP-4	Z	.003	.003	0	%100
146	MP-5	Z	.003	.003	0	%100
147	MP-6	Z	.003	.003	0	%100
148	MP-7	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
149	MP-8	Z	.003	.003	0	%100
150	MP-9	Z	.003	.003	0	%100
151	MP-10	Z	.003	.003	0	%100
152	MP-11	Z	.003	.003	0	%100
153	MP-12	Z	.003	.003	0	%100
154	ST1-V1	Z	.003	.003	0	%100
155	ST1-V2	Z	.003	.003	0	%100
156	ST2-V1	Z	.003	.003	0	%100
157	ST2-V2	Z	.003	.003	0	%100
158	ST3-V1	Z	.003	.003	0	%100
159	ST3-V2	Z	.003	.003	0	%100
160	STAB-1B	Z	.002	.002	0	%100
161	STAB-1U	Z	.002	.002	0	%100
162	STAB-2B	Z	.002	.002	0	%100
163	STAB-2U	Z	.002	.002	0	%100
164	STAB-3B	Z	.000384	.000384	0	%100
165	STAB-3U	Z	.000384	.000384	0	%100
166	ST1-H1	Z	.002	.002	0	%100
167	ST1-H2	Z	.002	.002	0	%100
168	ST2-H1	Z	0	0	0	%100
169	ST2-H2	Z	0	0	0	%100
170	ST3-H1	Z	.002	.002	0	%100
171	ST3-H2	Z	.002	.002	0	%100
172	M147A	Z	.002	.002	0	%100
173	M167	Z	.002	.002	0	%100
174	ST1-D1	Z	.002	.002	0	%100
175	SA-1	Z	.003	.003	0	%100
176	SA-2	Z	.006	.006	0	%100
177	SA-3	Z	.002	.002	0	%100
178	SA-4	Z	.003	.003	0	%100
179	SA-5	Z	.006	.006	0	%100
180	SA-6	Z	.002	.002	0	%100
181	SA-1B	Z	.003	.003	0	%100
182	SA-2B	Z	.005	.005	0	%100
183	SA-3B	Z	.002	.002	0	%100
184	SA-4B	Z	.003	.003	0	%100
185	SA-5B	Z	.005	.005	0	%100
186	SA-6B	Z	.002	.002	0	%100
187	SR-1	Z	.002	.002	0	%100
188	SR-2	Z	.003	.003	0	%100
189	SR-3	Z	.002	.002	0	%100
190	SRC-1	Z	.002	.002	0	%100
191	SRC-2	Z	.002	.002	0	%100
192	SRC-3	Z	.004	.004	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	EC-1	X	-.002	-.002	0	%100
2	EC-2	X	-.004	-.004	0	%100
3	EC-3	X	-.006	-.006	0	%100
4	FFTH-1	X	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
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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,%]
5	FFTH-2	X	-.004	-.004	0	%100
6	FFTH-3	X	-.001	-.001	0	%100
7	GS-1	X	-.002	-.002	0	%100
8	GS-2	X	-.002	-.002	0	%100
9	GS-3	X	-.002	-.002	0	%100
10	GS-4	X	-.002	-.002	0	%100
11	GS-5	X	-.003	-.003	0	%100
12	GS-6	X	-.003	-.003	0	%100
13	GS-7	X	-.003	-.003	0	%100
14	GS-8	X	-.003	-.003	0	%100
15	GS-9	X	-.000808	-.000808	0	%100
16	GS-10	X	-.000813	-.000813	0	%100
17	GS-11	X	-.000808	-.000808	0	%100
18	GS-12	X	-.00081	-.00081	0	%100
19	GSI-1	X	-.000805	-.000805	0	%100
20	GSI-1A	X	-.001	-.001	0	%100
21	GSI-2	X	-.000817	-.000817	0	%100
22	GSI-2A	X	-.000821	-.000821	0	%100
23	GSI-3	X	-.00081	-.00081	0	%100
24	GSI-4	X	-.002	-.002	0	%100
25	GSI-4A	X	-.003	-.003	0	%100
26	GSI-5	X	-.003	-.003	0	%100
27	GSI-5A	X	-.003	-.003	0	%100
28	GSI-6	X	-.002	-.002	0	%100
29	GSI-7	X	-.003	-.003	0	%100
30	GSI-7A	X	-.004	-.004	0	%100
31	GSI-8	X	-.003	-.003	0	%100
32	GSI-8A	X	-.003	-.003	0	%100
33	GSI-9	X	-.003	-.003	0	%100
34	INT-1	X	-.000809	-.000809	0	%100
35	INT-2	X	-.003	-.003	0	%100
36	INT-3	X	-.003	-.003	0	%100
37	INT-4	X	-.002	-.002	0	%100
38	INT-5	X	-.002	-.002	0	%100
39	INT-6	X	-.000809	-.000809	0	%100
40	INT-7	X	-.000803	-.000803	0	%100
41	INT-8	X	-.003	-.003	0	%100
42	INT-9	X	-.003	-.003	0	%100
43	INT-10	X	-.002	-.002	0	%100
44	INT-11	X	-.002	-.002	0	%100
45	INT-12	X	-.000803	-.000803	0	%100
46	MP-1	X	-.002	-.002	0	%100
47	MP-2	X	-.003	-.003	0	%100
48	MP-3	X	-.002	-.002	0	%100
49	MP-4	X	-.002	-.002	0	%100
50	MP-5	X	-.002	-.002	0	%100
51	MP-6	X	-.003	-.003	0	%100
52	MP-7	X	-.002	-.002	0	%100
53	MP-8	X	-.002	-.002	0	%100
54	MP-9	X	-.002	-.002	0	%100
55	MP-10	X	-.003	-.003	0	%100
56	MP-11	X	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	MP-12	X	-.002	-.002	0	%100
58	ST1-V1	X	-.002	-.002	0	%100
59	ST1-V2	X	-.002	-.002	0	%100
60	ST2-V1	X	-.002	-.002	0	%100
61	ST2-V2	X	-.002	-.002	0	%100
62	ST3-V1	X	-.002	-.002	0	%100
63	ST3-V2	X	-.002	-.002	0	%100
64	STAB-1B	X	-.002	-.002	0	%100
65	STAB-1U	X	-.002	-.002	0	%100
66	STAB-2B	X	-.001	-.001	0	%100
67	STAB-2U	X	-.001	-.001	0	%100
68	STAB-3B	X	-.000893	-.000893	0	%100
69	STAB-3U	X	-.000893	-.000893	0	%100
70	ST1-H1	X	-.001	-.001	0	%100
71	ST1-H2	X	-.001	-.001	0	%100
72	ST2-H1	X	-.000525	-.000525	0	%100
73	ST2-H2	X	-.000525	-.000525	0	%100
74	ST3-H1	X	-.002	-.002	0	%100
75	ST3-H2	X	-.002	-.002	0	%100
76	M147A	X	-.001	-.001	0	%100
77	M167	X	-.001	-.001	0	%100
78	ST1-D1	X	-.001	-.001	0	%100
79	SA-1	X	-.001	-.001	0	%100
80	SA-2	X	-.004	-.004	0	%100
81	SA-3	X	-.003	-.003	0	%100
82	SA-4	X	-.001	-.001	0	%100
83	SA-5	X	-.004	-.004	0	%100
84	SA-6	X	-.003	-.003	0	%100
85	SA-1B	X	-.001	-.001	0	%100
86	SA-2B	X	-.004	-.004	0	%100
87	SA-3B	X	-.003	-.003	0	%100
88	SA-4B	X	-.001	-.001	0	%100
89	SA-5B	X	-.004	-.004	0	%100
90	SA-6B	X	-.003	-.003	0	%100
91	SR-1	X	-.002	-.002	0	%100
92	SR-2	X	-.002	-.002	0	%100
93	SR-3	X	-.000601	-.000601	0	%100
94	SRC-1	X	-.000934	-.000934	0	%100
95	SRC-2	X	-.003	-.003	0	%100
96	SRC-3	X	-.003	-.003	0	%100
97	EC-1	Z	.002	.002	0	%100
98	EC-2	Z	.004	.004	0	%100
99	EC-3	Z	.006	.006	0	%100
100	FFTH-1	Z	.003	.003	0	%100
101	FFTH-2	Z	.005	.005	0	%100
102	FFTH-3	Z	.001	.001	0	%100
103	GS-1	Z	.002	.002	0	%100
104	GS-2	Z	.002	.002	0	%100
105	GS-3	Z	.002	.002	0	%100
106	GS-4	Z	.002	.002	0	%100
107	GS-5	Z	.003	.003	0	%100
108	GS-6	Z	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
109	GS-7	Z	.003	.003	0	%100
110	GS-8	Z	.003	.003	0	%100
111	GS-9	Z	.000884	.000884	0	%100
112	GS-10	Z	.000892	.000892	0	%100
113	GS-11	Z	.000884	.000884	0	%100
114	GS-12	Z	.000854	.000854	0	%100
115	GSI-1	Z	.000854	.000854	0	%100
116	GSI-1A	Z	.001	.001	0	%100
117	GSI-2	Z	.000898	.000898	0	%100
118	GSI-2A	Z	.000903	.000903	0	%100
119	GSI-3	Z	.000854	.000854	0	%100
120	GSI-4	Z	.002	.002	0	%100
121	GSI-4A	Z	.003	.003	0	%100
122	GSI-5	Z	.002	.002	0	%100
123	GSI-5A	Z	.002	.002	0	%100
124	GSI-6	Z	.002	.002	0	%100
125	GSI-7	Z	.003	.003	0	%100
126	GSI-7A	Z	.004	.004	0	%100
127	GSI-8	Z	.003	.003	0	%100
128	GSI-8A	Z	.003	.003	0	%100
129	GSI-9	Z	.003	.003	0	%100
130	INT-1	Z	.000854	.000854	0	%100
131	INT-2	Z	.003	.003	0	%100
132	INT-3	Z	.003	.003	0	%100
133	INT-4	Z	.002	.002	0	%100
134	INT-5	Z	.002	.002	0	%100
135	INT-6	Z	.000854	.000854	0	%100
136	INT-7	Z	.000857	.000857	0	%100
137	INT-8	Z	.003	.003	0	%100
138	INT-9	Z	.003	.003	0	%100
139	INT-10	Z	.002	.002	0	%100
140	INT-11	Z	.002	.002	0	%100
141	INT-12	Z	.000857	.000857	0	%100
142	MP-1	Z	.002	.002	0	%100
143	MP-2	Z	.003	.003	0	%100
144	MP-3	Z	.003	.003	0	%100
145	MP-4	Z	.003	.003	0	%100
146	MP-5	Z	.002	.002	0	%100
147	MP-6	Z	.003	.003	0	%100
148	MP-7	Z	.003	.003	0	%100
149	MP-8	Z	.003	.003	0	%100
150	MP-9	Z	.002	.002	0	%100
151	MP-10	Z	.003	.003	0	%100
152	MP-11	Z	.003	.003	0	%100
153	MP-12	Z	.003	.003	0	%100
154	ST1-V1	Z	.002	.002	0	%100
155	ST1-V2	Z	.002	.002	0	%100
156	ST2-V1	Z	.002	.002	0	%100
157	ST2-V2	Z	.002	.002	0	%100
158	ST3-V1	Z	.002	.002	0	%100
159	ST3-V2	Z	.002	.002	0	%100
160	STAB-1B	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
161	STAB-1U	Z	.002	.002	0	%100
162	STAB-2B	Z	.001	.001	0	%100
163	STAB-2U	Z	.001	.001	0	%100
164	STAB-3B	Z	.000776	.000776	0	%100
165	STAB-3U	Z	.000776	.000776	0	%100
166	ST1-H1	Z	.001	.001	0	%100
167	ST1-H2	Z	.001	.001	0	%100
168	ST2-H1	Z	.000503	.000503	0	%100
169	ST2-H2	Z	.000503	.000503	0	%100
170	ST3-H1	Z	.002	.002	0	%100
171	ST3-H2	Z	.002	.002	0	%100
172	M147A	Z	.002	.002	0	%100
173	M167	Z	.002	.002	0	%100
174	ST1-D1	Z	.002	.002	0	%100
175	SA-1	Z	.001	.001	0	%100
176	SA-2	Z	.004	.004	0	%100
177	SA-3	Z	.003	.003	0	%100
178	SA-4	Z	.001	.001	0	%100
179	SA-5	Z	.004	.004	0	%100
180	SA-6	Z	.003	.003	0	%100
181	SA-1B	Z	.001	.001	0	%100
182	SA-2B	Z	.004	.004	0	%100
183	SA-3B	Z	.003	.003	0	%100
184	SA-4B	Z	.001	.001	0	%100
185	SA-5B	Z	.004	.004	0	%100
186	SA-6B	Z	.003	.003	0	%100
187	SR-1	Z	.002	.002	0	%100
188	SR-2	Z	.003	.003	0	%100
189	SR-3	Z	.000736	.000736	0	%100
190	SRC-1	Z	.000944	.000944	0	%100
191	SRC-2	Z	.002	.002	0	%100
192	SRC-3	Z	.004	.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	EC-1	X	0	0	0	%100
2	EC-2	X	-.007	-.007	0	%100
3	EC-3	X	-.007	-.007	0	%100
4	FFTH-1	X	-.006	-.006	0	%100
5	FFTH-2	X	-.005	-.005	0	%100
6	FFTH-3	X	0	0	0	%100
7	GS-1	X	-.004	-.004	0	%100
8	GS-2	X	-.004	-.004	0	%100
9	GS-3	X	-.004	-.004	0	%100
10	GS-4	X	-.004	-.004	0	%100
11	GS-5	X	-.003	-.003	0	%100
12	GS-6	X	-.003	-.003	0	%100
13	GS-7	X	-.003	-.003	0	%100
14	GS-8	X	-.003	-.003	0	%100
15	GS-9	X	0	0	0	%100
16	GS-10	X	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
Checked By: NPD

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,%]
17	GS-11	X	0	0	0	%100
18	GS-12	X	0	0	0	%100
19	GSI-1	X	0	0	0	%100
20	GSI-1A	X	0	0	0	%100
21	GSI-2	X	0	0	0	%100
22	GSI-2A	X	0	0	0	%100
23	GSI-3	X	0	0	0	%100
24	GSI-4	X	-.004	-.004	0	%100
25	GSI-4A	X	-.004	-.004	0	%100
26	GSI-5	X	-.004	-.004	0	%100
27	GSI-5A	X	-.004	-.004	0	%100
28	GSI-6	X	-.004	-.004	0	%100
29	GSI-7	X	-.003	-.003	0	%100
30	GSI-7A	X	-.004	-.004	0	%100
31	GSI-8	X	-.003	-.003	0	%100
32	GSI-8A	X	-.003	-.003	0	%100
33	GSI-9	X	-.003	-.003	0	%100
34	INT-1	X	0	0	0	%100
35	INT-2	X	-.003	-.003	0	%100
36	INT-3	X	-.003	-.003	0	%100
37	INT-4	X	-.004	-.004	0	%100
38	INT-5	X	-.004	-.004	0	%100
39	INT-6	X	0	0	0	%100
40	INT-7	X	0	0	0	%100
41	INT-8	X	-.003	-.003	0	%100
42	INT-9	X	-.003	-.003	0	%100
43	INT-10	X	-.004	-.004	0	%100
44	INT-11	X	-.004	-.004	0	%100
45	INT-12	X	0	0	0	%100
46	MP-1	X	-.003	-.003	0	%100
47	MP-2	X	-.003	-.003	0	%100
48	MP-3	X	-.003	-.003	0	%100
49	MP-4	X	-.003	-.003	0	%100
50	MP-5	X	-.003	-.003	0	%100
51	MP-6	X	-.003	-.003	0	%100
52	MP-7	X	-.003	-.003	0	%100
53	MP-8	X	-.003	-.003	0	%100
54	MP-9	X	-.003	-.003	0	%100
55	MP-10	X	-.003	-.003	0	%100
56	MP-11	X	-.003	-.003	0	%100
57	MP-12	X	-.003	-.003	0	%100
58	ST1-V1	X	-.003	-.003	0	%100
59	ST1-V2	X	-.003	-.003	0	%100
60	ST2-V1	X	-.003	-.003	0	%100
61	ST2-V2	X	-.003	-.003	0	%100
62	ST3-V1	X	-.003	-.003	0	%100
63	ST3-V2	X	-.003	-.003	0	%100
64	STAB-1B	X	-.002	-.002	0	%100
65	STAB-1U	X	-.002	-.002	0	%100
66	STAB-2B	X	-.000764	-.000764	0	%100
67	STAB-2U	X	-.000764	-.000764	0	%100
68	STAB-3B	X	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	STAB-3U	X	-.002	-.002	0	%100
70	ST1-H1	X	-.001	-.001	0	%100
71	ST1-H2	X	-.001	-.001	0	%100
72	ST2-H1	X	-.001	-.001	0	%100
73	ST2-H2	X	-.001	-.001	0	%100
74	ST3-H1	X	-.002	-.002	0	%100
75	ST3-H2	X	-.002	-.002	0	%100
76	M147A	X	-.002	-.002	0	%100
77	M167	X	-.002	-.002	0	%100
78	ST1-D1	X	-.002	-.002	0	%100
79	SA-1	X	0	0	0	%100
80	SA-2	X	-.005	-.005	0	%100
81	SA-3	X	-.005	-.005	0	%100
82	SA-4	X	0	0	0	%100
83	SA-5	X	-.005	-.005	0	%100
84	SA-6	X	-.005	-.005	0	%100
85	SA-1B	X	0	0	0	%100
86	SA-2B	X	-.004	-.004	0	%100
87	SA-3B	X	-.005	-.005	0	%100
88	SA-4B	X	0	0	0	%100
89	SA-5B	X	-.004	-.004	0	%100
90	SA-6B	X	-.005	-.005	0	%100
91	SR-1	X	-.003	-.003	0	%100
92	SR-2	X	-.002	-.002	0	%100
93	SR-3	X	0	0	0	%100
94	SRC-1	X	0	0	0	%100
95	SRC-2	X	-.004	-.004	0	%100
96	SRC-3	X	-.004	-.004	0	%100
97	EC-1	Z	0	0	0	%100
98	EC-2	Z	.003	.003	0	%100
99	EC-3	Z	.004	.004	0	%100
100	FFTH-1	Z	.003	.003	0	%100
101	FFTH-2	Z	.003	.003	0	%100
102	FFTH-3	Z	0	0	0	%100
103	GS-1	Z	.002	.002	0	%100
104	GS-2	Z	.002	.002	0	%100
105	GS-3	Z	.002	.002	0	%100
106	GS-4	Z	.002	.002	0	%100
107	GS-5	Z	.002	.002	0	%100
108	GS-6	Z	.002	.002	0	%100
109	GS-7	Z	.002	.002	0	%100
110	GS-8	Z	.002	.002	0	%100
111	GS-9	Z	0	0	0	%100
112	GS-10	Z	0	0	0	%100
113	GS-11	Z	0	0	0	%100
114	GS-12	Z	0	0	0	%100
115	GSI-1	Z	0	0	0	%100
116	GSI-1A	Z	0	0	0	%100
117	GSI-2	Z	0	0	0	%100
118	GSI-2A	Z	0	0	0	%100
119	GSI-3	Z	0	0	0	%100
120	GSI-4	Z	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
121	GSI-4A	Z	.002	.002	0	%100
122	GSI-5	Z	.002	.002	0	%100
123	GSI-5A	Z	.002	.002	0	%100
124	GSI-6	Z	.002	.002	0	%100
125	GSI-7	Z	.002	.002	0	%100
126	GSI-7A	Z	.002	.002	0	%100
127	GSI-8	Z	.002	.002	0	%100
128	GSI-8A	Z	.002	.002	0	%100
129	GSI-9	Z	.002	.002	0	%100
130	INT-1	Z	0	0	0	%100
131	INT-2	Z	.002	.002	0	%100
132	INT-3	Z	.002	.002	0	%100
133	INT-4	Z	.002	.002	0	%100
134	INT-5	Z	.002	.002	0	%100
135	INT-6	Z	0	0	0	%100
136	INT-7	Z	0	0	0	%100
137	INT-8	Z	.002	.002	0	%100
138	INT-9	Z	.002	.002	0	%100
139	INT-10	Z	.002	.002	0	%100
140	INT-11	Z	.002	.002	0	%100
141	INT-12	Z	0	0	0	%100
142	MP-1	Z	.002	.002	0	%100
143	MP-2	Z	.002	.002	0	%100
144	MP-3	Z	.002	.002	0	%100
145	MP-4	Z	.002	.002	0	%100
146	MP-5	Z	.002	.002	0	%100
147	MP-6	Z	.002	.002	0	%100
148	MP-7	Z	.002	.002	0	%100
149	MP-8	Z	.002	.002	0	%100
150	MP-9	Z	.002	.002	0	%100
151	MP-10	Z	.002	.002	0	%100
152	MP-11	Z	.002	.002	0	%100
153	MP-12	Z	.002	.002	0	%100
154	ST1-V1	Z	.002	.002	0	%100
155	ST1-V2	Z	.002	.002	0	%100
156	ST2-V1	Z	.002	.002	0	%100
157	ST2-V2	Z	.002	.002	0	%100
158	ST3-V1	Z	.002	.002	0	%100
159	ST3-V2	Z	.002	.002	0	%100
160	STAB-1B	Z	.001	.001	0	%100
161	STAB-1U	Z	.001	.001	0	%100
162	STAB-2B	Z	.000528	.000528	0	%100
163	STAB-2U	Z	.000528	.000528	0	%100
164	STAB-3B	Z	.000838	.000838	0	%100
165	STAB-3U	Z	.000838	.000838	0	%100
166	ST1-H1	Z	.000728	.000728	0	%100
167	ST1-H2	Z	.000728	.000728	0	%100
168	ST2-H1	Z	.000688	.000688	0	%100
169	ST2-H2	Z	.000688	.000688	0	%100
170	ST3-H1	Z	.001	.001	0	%100
171	ST3-H2	Z	.001	.001	0	%100
172	M147A	Z	.001	.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
173	M167	Z	.001	.001	0	%100
174	ST1-D1	Z	.001	.001	0	%100
175	SA-1	Z	0	0	0	%100
176	SA-2	Z	.003	.003	0	%100
177	SA-3	Z	.002	.002	0	%100
178	SA-4	Z	0	0	0	%100
179	SA-5	Z	.003	.003	0	%100
180	SA-6	Z	.002	.002	0	%100
181	SA-1B	Z	0	0	0	%100
182	SA-2B	Z	.003	.003	0	%100
183	SA-3B	Z	.002	.002	0	%100
184	SA-4B	Z	0	0	0	%100
185	SA-5B	Z	.003	.003	0	%100
186	SA-6B	Z	.002	.002	0	%100
187	SR-1	Z	.002	.002	0	%100
188	SR-2	Z	.002	.002	0	%100
189	SR-3	Z	0	0	0	%100
190	SRC-1	Z	0	0	0	%100
191	SRC-2	Z	.002	.002	0	%100
192	SRC-3	Z	.002	.002	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	GS-2	Y	-.007	-.007	0	1.86
2	GS-2	Y	-.007	-.007	1.86	3.719
3	GS-4	Y	-.008	-.008	.43	1.43
4	INT-1	Y	-.013	-.013	0	.78
5	INT-2	Y	-.012	-.012	0	.782
6	GS-10	Y	-.0008411	-.012	0	2.975
7	GS-12	Y	-.01	-.01	.23	1.23
8	INT-9	Y	-.007	-.007	.094	1.094
9	INT-10	Y	-.011	-.011	0	1.646
10	GS-1	Y	-.012	-.005	0	1.676
11	GS-1	Y	-.005	.0002641	1.676	3.352
12	GS-11	Y	-.01	-.007	0	1.117
13	GS-11	Y	-.007	-.005	1.117	2.234
14	GS-11	Y	-.005	-.004	2.234	3.352
15	GSI-7	Y	-.000985	-.015	0	.685
16	GSI-7	Y	-.015	-.015	.685	1.369
17	GSI-7	Y	-.015	-.000985	1.369	2.054
18	GSI-7A	Y	-.004	-.004	.083	.618
19	GSI-8	Y	-.01	-.01	1.128	2.841
20	GSI-8A	Y	-.01	-.01	1.328	3.126
21	GSI-9	Y	-.012	-.012	.608	1.608
22	INT-11	Y	-.011	-.011	0	2.062
23	INT-12	Y	-.011	-.011	.353	2.043
24	GSI-2A	Y	-.01	-.01	1.036	2.834
25	GSI-3	Y	-.012	-.012	.235	1.235
26	INT-3	Y	-.011	-.011	.353	2.043
27	INT-4	Y	-.011	-.011	0	2.062
28	GS-3	Y	-.012	-.005	0	1.676

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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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,%]
29	GS-3	Y	-.005	.0002648	1.676	3.352
30	GS-5	Y	-.01	-.007	0	1.117
31	GS-5	Y	-.007	-.005	1.117	2.234
32	GS-5	Y	-.005	-.004	2.234	3.352
33	GSI-1	Y	-.0009855	-.015	0	.685
34	GSI-1	Y	-.015	-.015	.685	1.369
35	GSI-1	Y	-.015	-.0009855	1.369	2.054
36	GSI-1A	Y	-.004	-.004	0	.534
37	GSI-2	Y	-.01	-.01	1.128	2.841
38	GS-6	Y	-.011	-.008	0	1.86
39	GS-6	Y	-.008	-.005	1.86	3.719
40	GS-8	Y	-.01	-.01	.618	1.618
41	INT-5	Y	-.012	-.012	0	.738
42	INT-6	Y	-.007	-.007	.096	1.096
43	GSI-5A	Y	-.009	-.009	1.253	2.909
44	GSI-6	Y	-.01	-.01	.421	1.421
45	INT-7	Y	-.011	-.011	0	2.111
46	INT-8	Y	-.011	-.011	0	2.111
47	GS-7	Y	-.01	-.007	0	1.117
48	GS-7	Y	-.007	-.005	1.117	2.234
49	GS-7	Y	-.005	-.004	2.234	3.352
50	GS-9	Y	-.012	-.005	0	1.676
51	GS-9	Y	-.005	.0002641	1.676	3.352
52	GSI-4	Y	-.000985	-.015	0	.685
53	GSI-4	Y	-.015	-.015	.685	1.369
54	GSI-4	Y	-.015	-.000985	1.369	2.054
55	GSI-4A	Y	-.004	-.004	.083	.618
56	GSI-5	Y	-.01	-.01	1.128	2.841

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	GS-2	Y	-.005	-.005	0	1.86
2	GS-2	Y	-.005	-.005	1.86	3.719
3	GS-4	Y	-.005	-.005	.43	1.43
4	INT-1	Y	-.008	-.008	0	.78
5	INT-2	Y	-.008	-.008	0	.782
6	GS-10	Y	-.0005554	-.008	0	2.975
7	GS-12	Y	-.006	-.006	.23	1.23
8	INT-9	Y	-.005	-.005	.094	1.094
9	INT-10	Y	-.007	-.007	0	1.646
10	GS-1	Y	-.008	-.004	0	1.676
11	GS-1	Y	-.004	.0001744	1.676	3.352
12	GS-11	Y	-.006	-.004	0	1.117
13	GS-11	Y	-.004	-.003	1.117	2.234
14	GS-11	Y	-.003	-.002	2.234	3.352
15	GSI-7	Y	-.0006504	-.01	0	.685
16	GSI-7	Y	-.01	-.01	.685	1.369
17	GSI-7	Y	-.01	-.0006504	1.369	2.054
18	GSI-7A	Y	-.003	-.003	.083	.618
19	GSI-8	Y	-.007	-.007	1.128	2.841
20	GSI-8A	Y	-.007	-.007	1.328	3.126

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,%]
21	GSI-9	Y	-.008	-.008	.608	1.608
22	INT-11	Y	-.008	-.008	0	2.062
23	INT-12	Y	-.007	-.007	.353	2.043
24	GSI-2A	Y	-.007	-.007	1.036	2.834
25	GSI-3	Y	-.008	-.008	.235	1.235
26	INT-3	Y	-.007	-.007	.353	2.043
27	INT-4	Y	-.008	-.008	0	2.062
28	GS-3	Y	-.008	-.004	0	1.676
29	GS-3	Y	-.004	.0001748	1.676	3.352
30	GS-5	Y	-.006	-.004	0	1.117
31	GS-5	Y	-.004	-.003	1.117	2.234
32	GS-5	Y	-.003	-.002	2.234	3.352
33	GSI-1	Y	-.0006508	-.01	0	.685
34	GSI-1	Y	-.01	-.01	.685	1.369
35	GSI-1	Y	-.01	-.0006508	1.369	2.054
36	GSI-1A	Y	-.003	-.003	0	.534
37	GSI-2	Y	-.007	-.007	1.128	2.841
38	GS-6	Y	-.007	-.005	0	1.86
39	GS-6	Y	-.005	-.003	1.86	3.719
40	GS-8	Y	-.006	-.006	.618	1.618
41	INT-5	Y	-.008	-.008	0	.738
42	INT-6	Y	-.005	-.005	.096	1.096
43	GSI-5A	Y	-.006	-.006	1.253	2.909
44	GSI-6	Y	-.007	-.007	.421	1.421
45	INT-7	Y	-.007	-.007	0	2.111
46	INT-8	Y	-.007	-.007	0	2.111
47	GS-7	Y	-.006	-.004	0	1.117
48	GS-7	Y	-.004	-.003	1.117	2.234
49	GS-7	Y	-.003	-.002	2.234	3.352
50	GS-9	Y	-.008	-.004	0	1.676
51	GS-9	Y	-.004	.0001744	1.676	3.352
52	GSI-4	Y	-.0006504	-.01	0	.685
53	GSI-4	Y	-.01	-.01	.685	1.369
54	GSI-4	Y	-.01	-.0006504	1.369	2.054
55	GSI-4A	Y	-.003	-.003	.083	.618
56	GSI-5	Y	-.007	-.007	1.128	2.841

Member Area Loads (BLC 1 : Dead)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	P1	N129	N128	P4	Y	Two Way	-.012
2	P17	N76	N75	P20	Y	Two Way	-.012
3	N110	N108	N103A	N130	Y	Two Way	-.012
4	P21	N122	N117A	P24	Y	Two Way	-.012
5	P5	N118A	N119	P8	Y	Two Way	-.012
6	N131	N104A	N105	N107	Y	Two Way	-.012
7	P9	N72	N71	P12	Y	Two Way	-.012
8	P13	N67	N66	P16	Y	Two Way	-.012
9	N65	N106	N107A	N68	Y	Two Way	-.012

Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333

Dec 3, 2021
3:54 PM
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Member Area Loads (BLC 18 : Ice Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	P1	N129	N128	P4	Y	Two Way	-.008
2	P17	N76	N75	P20	Y	Two Way	-.008
3	N110	N108	N103A	N130	Y	Two Way	-.008
4	P21	N122	N117A	P24	Y	Two Way	-.008
5	P5	N118A	N119	P8	Y	Two Way	-.008
6	N131	N104A	N105	N107	Y	Two Way	-.008
7	P9	N72	N71	P12	Y	Two Way	-.008
8	P13	N67	N66	P16	Y	Two Way	-.008
9	N65	N106	N107A	N68	Y	Two Way	-.008

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	SA1	max	2.354	32	2.39	42	1.408	8	4.168	40	.536	27	7.359	42
2		min	-2.2	8	-.011	17	-1.491	32	-.665	16	-.537	3	-.306	17
3	SA2	max	2.547	20	2.407	42	1.58	19	.667	4	.549	33	7.476	42
4		min	-2.234	12	.012	3	-1.403	11	-4.165	44	-.552	9	-.275	3
5	SA3	max	.202	33	2.381	47	2.633	22	.473	6	.566	22	.48	11
6		min	-.204	9	.009	6	-2.46	14	-8.365	45	-.57	14	-.606	19
7	SA4	max	2.396	17	2.473	34	1.482	26	.064	8	.641	22	.783	9
8		min	-2.707	25	-.021	9	-1.302	2	-4.461	48	-.645	14	-7.648	34
9	SA5	max	2.155	3	2.461	34	1.167	2	4.374	36	.637	22	.518	11
10		min	-2.304	27	.024	11	-1.256	26	.024	12	-.64	14	-7.595	34
11	SA6	max	.193	3	2.412	39	2.686	6	8.541	39	.558	22	.492	8
12		min	-.193	27	.001	14	-3.044	30	-.594	14	-.56	14	-.655	32
13	Totals:	max	8.069	18	13.369	45	7.957	22						
14		min	-8.069	10	4.024	6	-7.957	14						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Lo...	...	...	phi*P...	phi*P...	phi*...	phi*...	...	Eqn
1	SA-4	HSS3.5...	1.024	0	34	.136	0	y	...	83.151	84.672	8.694	8.694	...	H1-...
2	SA-5	HSS3.5...	1.014	0	34	.131	0	y	...	83.151	84.672	8.694	8.694	...	H1-...
3	ST3-V1	PIPE_2.0	.995	4.74	34	.230	4.74		...	31.942	32.13	1.872	1.872	...	H1-...
4	SA-2	HSS3.5...	.990	0	43	.139	0	y	...	83.151	84.672	8.694	8.694	...	H1-...
5	SA-6	HSS3.5...	.988	0	38	.146	0	y	...	83.151	84.672	8.694	8.694	...	H1-...
6	SA-1	HSS3.5...	.979	0	41	.131	0	y	...	83.151	84.672	8.694	8.694	...	H1-...
7	ST2-V1	PIPE_2.0	.977	4.74	45	.238	1.0...		...	31.942	32.13	1.872	1.872	...	H1-...
8	FFTH-1	L3X3X6	.977	8.802	42	.365	3.6...	z	...	5.868	68.364	2.307	4.827	...	H2-1
9	SA-3	HSS3.5...	.974	0	45	.139	0	y	...	83.151	84.672	8.694	8.694	...	H1-...
10	FFTH-2	L3X3X6	.967	8.802	47	.389	3.6...	z	...	5.868	68.364	2.307	4.829	...	H2-1
11	FFTH-3	L3X3X6	.960	8.802	37	.379	3.6...	z	...	5.868	68.364	2.307	4.821	...	H2-1
12	ST1-V1	PIPE_2.0	.951	4.74	39	.237	4.74		...	31.942	32.13	1.872	1.872	...	H1-...
13	MP-11	PIPE_2.0	.914	4.792	33	.135	4.7...		...	15.275	32.13	1.872	1.872	...	H1-...
14	MP-7	PIPE_2.0	.901	4.792	28	.134	4.7...		...	15.275	32.13	1.872	1.872	...	H1-...
15	MP-3	PIPE_2.0	.898	4.792	23	.130	4.7...		...	26.899	32.13	1.872	1.872	...	H1-...
16	MP-10	PIPE_2.0	.802	4.813	23	.165	4.8...		...	15.275	32.13	1.872	1.872	...	H1-...
17	MP-6	PIPE_2.0	.774	4.813	18	.166	4.8...		...	15.275	32.13	1.872	1.872	...	H1-...
18	MP-2	PIPE_2.0	.751	4.813	29	.159	4.8...		...	15.275	32.13	1.872	1.872	...	H1-...
19	SR-3	PIPE_2.0	.703	7.682	34	.271	12....		...	1.428	32.13	1.872	1.872	...	H1-...
20	SR-2	PIPE_2.0	.686	7.682	45	.263	12....		...	1.428	32.13	1.872	1.872	...	H1-...

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Lo...	...	...	phi*P...	phi*P...	phi*...	phi*...	...	Eqn
21	SR-1	PIPE_2.0	.675	7.682	40	.271	12...		...	1.428	32.13	1.872	1.872	...	H1-...
22	SA-4B	HSS4X...	.574	0	34	.112	0	y	...	85.174	97.524	11.56	11.56	...	H1-...
23	SA-5B	HSS4X...	.568	0	34	.108	0	y	...	85.174	97.524	11.56	11.56	...	H1-...
24	SA-2B	HSS4X...	.553	0	43	.114	0	y	...	85.174	97.524	11.56	11.56	...	H1-...
25	SA-6B	HSS4X...	.552	0	39	.119	0	y	...	85.174	97.524	11.56	11.56	...	H1-...
26	SA-1B	HSS4X...	.547	0	41	.108	0	y	...	85.174	97.524	11.56	11.56	...	H1-...
27	SA-3B	HSS4X...	.544	0	45	.114	0	y	...	85.174	97.524	11.56	11.56	...	H1-...
28	SRC-2	L2.5x2...	.530	1.251	34	.129	.391	z	...	37.734	38.556	1.114	2.537	...	H2-1
29	SRC-1	L2.5x2...	.526	1.251	43	.124	.013	z	...	37.734	38.556	1.114	2.537	...	H2-1
30	SRC-3	L2.5x2...	.516	1.251	39	.120	.013	z	...	37.734	38.556	1.114	2.537	...	H2-1
31	MP-9	PIPE_2.0	.455	4.813	23	.158	4.8...		...	15.275	32.13	1.872	1.872	...	H1-...
32	MP-5	PIPE_2.0	.439	4.813	18	.157	4.8...		...	15.275	32.13	1.872	1.872	...	H1-...
33	MP-1	PIPE_2.0	.432	4.813	28	.150	4.8...		...	15.275	32.13	1.872	1.872	...	H1-...
34	GS-3	L2x2x4	.428	3.212	32	.392	3.3...	z	...	24.054	30.586	.691	1.577	...	H2-1
35	GS-7	L2x2x4	.419	3.212	22	.388	3.3...	z	...	24.054	30.586	.691	1.577	...	H2-1
36	GS-11	L2x2x4	.413	3.212	27	.383	3.3...	z	...	24.054	30.586	.691	1.577	...	H2-1
37	GS-5	L2x2x4	.405	3.212	32	.408	.14	y	...	24.054	30.586	.691	1.577	...	H2-1
38	GS-9	L2x2x4	.396	3.212	22	.398	.14	y	...	24.054	30.586	.691	1.577	...	H2-1
39	GS-1	L2x2x4	.395	.14	15	.398	.14	y	...	24.054	30.586	.691	1.577	...	H2-1
40	GSI-1A	L2x2x4	.317	0	32	.175	0	z	...	30.337	30.586	.691	1.577	...	H2-1
41	GSI-4A	L2x2x4	.311	0	22	.170	0	z	...	30.337	30.586	.691	1.577	...	H2-1
42	GSI-7A	L2x2x4	.307	0	27	.175	0	z	...	30.337	30.586	.691	1.577	...	H2-1
43	INT-6	L2x2x4	.303	.508	48	.198	1.8...	y	...	28.367	30.586	.691	1.577	...	H2-1
44	INT-10	L2x2x4	.302	.508	35	.198	1.8...	y	...	28.367	30.586	.691	1.577	...	H2-1
45	INT-8	L2x2x4	.301	.507	34	.140	0	y	...	27.263	30.586	.691	1.577	...	H2-1
46	INT-2	L2x2x4	.301	.508	42	.198	1.8...	y	...	28.367	30.586	.691	1.577	...	H2-1
47	INT-7	L2x2x4	.299	.507	34	.143	0	z	...	27.263	30.586	.691	1.577	...	H2-1
48	INT-9	L2x2x4	.295	.508	36	.205	1.8...	z	...	28.367	30.586	.691	1.577	...	H2-1
49	INT-1	L2x2x4	.293	.508	42	.207	1.8...	z	...	28.367	30.586	.691	1.577	...	H2-1
50	INT-5	L2x2x4	.292	.508	47	.207	1.8...	z	...	28.367	30.586	.691	1.577	...	H2-1
51	INT-12	L2x2x4	.279	.507	39	.137	0	y	...	27.263	30.586	.691	1.577	...	H2-1
52	INT-11	L2x2x4	.278	.507	39	.141	.483	y	...	27.263	30.586	.691	1.577	...	H2-1
53	INT-4	L2x2x4	.277	.507	45	.137	.483	z	...	27.263	30.586	.691	1.577	...	H2-1
54	INT-3	L2x2x4	.276	.507	45	.140	.483	y	...	27.263	30.586	.691	1.577	...	H2-1
55	MP-8	PIPE_2.0	.221	6.5	31	.095	5.8...		...	28.526	32.13	1.872	1.872	...	H1-...
56	MP-12	PIPE_2.0	.221	6.5	21	.097	5.8...		...	28.526	32.13	1.872	1.872	...	H1-...
57	MP-4	PIPE_2.0	.217	6.5	26	.089	5.8...		...	28.526	32.13	1.872	1.872	...	H1-...
58	ST1-V2	PIPE_2.0	.216	.425	33	.093	1.4...		...	30.475	32.13	1.872	1.872	...	H1-...
59	ST3-V2	PIPE_2.0	.208	.425	27	.095	1.4...		...	30.475	32.13	1.872	1.872	...	H1-...
60	ST2-V2	PIPE_2.0	.206	.425	22	.097	1.4...		...	30.475	32.13	1.872	1.872	...	H1-...
61	ST1-H2	PIPE_2.0	.193	0	25	.145	0		...	31.607	32.13	1.872	1.872	...	H1-...
62	ST2-H2	PIPE_2.0	.192	0	30	.152	0		...	31.607	32.13	1.872	1.872	...	H1-...
63	ST2-H1	PIPE_2.0	.190	0	22	.121	1.8		...	31.607	32.13	1.872	1.872	...	H1-...
64	ST1-H1	PIPE_2.0	.188	0	33	.119	1.8		...	31.607	32.13	1.872	1.872	...	H1-...
65	ST3-H2	PIPE_2.0	.187	0	19	.148	0		...	31.607	32.13	1.872	1.872	...	H1-...
66	ST3-H1	PIPE_2.0	.181	0	27	.125	0		...	31.607	32.13	1.872	1.872	...	H1-...
67	GSI-1	L2x2x4	.149	2.054	33	.031	0	y	...	27.946	30.586	.691	1.577	...	H2-1
68	GSI-8	L2x2x4	.149	3.969	23	.014	3.9...	z	...	21.837	30.586	.691	1.55	...	H2-1
69	GSI-4	L2x2x4	.148	2.054	22	.032	0	y	...	27.946	30.586	.691	1.577	...	H2-1
70	GSI-5	L2x2x4	.148	3.969	18	.015	3.9...	z	...	21.837	30.586	.691	1.577	...	H2-1
71	GSI-2	L2x2x4	.144	0	29	.015	0	y	...	21.837	30.586	.691	1.546	...	H2-1
72	GSI-7	L2x2x4	.144	2.054	27	.031	1.3...	y	...	27.946	30.586	.691	1.577	...	H2-1

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : AJW
Job Number : TEP No. 25662.629433
Model Name : CCI BU No. 876333
Dec 3, 2021
3:54 PM
Checked By: NPD

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Lo...	...	...	phi*P...	phi*P...	phi*...	phi*...	...	Eqn
73	M147A	SR 3/4	.106	3.499	34	.021	3.4...		...	4.712	14.314	.179	.179	...	H1-...
74	M167	SR 3/4	.103	3.499	44	.022	3.4...		...	4.712	14.314	.179	.179	...	H1-...
75	ST1-D1	SR 3/4	.103	3.499	39	.021	3.4...		...	4.712	14.314	.179	.179	...	H1-...
76	GSI-3	L2x2x4	.064	1.843	22	.016	.691	y	...	28.443	30.586	.691	1.577	...	H2-1
77	GSI-9	L2x2x4	.062	0	30	.016	0	z	...	28.443	30.586	.691	1.577	...	H2-1
78	GS-6	L2x2x4	.059	0	48	.011	0	y	...	22.753	30.586	.691	1.577	...	H2-1
79	GS-2	L2x2x4	.058	0	42	.011	3.7...	y	...	22.753	30.586	.691	1.577	...	H2-1
80	GS-10	L2x2x4	.058	0	37	.010	3.7...	y	...	22.753	30.586	.691	1.577	...	H2-1
81	GS-8	L2x2x4	.057	1.843	14	.024	1.8...	z	...	28.443	30.586	.691	1.577	...	H2-1
82	GSI-6	L2x2x4	.056	1.843	27	.016	0	y	...	28.443	30.586	.691	1.577	...	H2-1
83	GS-12	L2x2x4	.056	0	30	.025	0	y	9	28.443	30.586	.691	1.577	...	H2-1
84	GS-4	L2x2x4	.050	1.843	25	.026	0	y	...	28.443	30.586	.691	1.577	...	H2-1
85	GSI-8A	L2x2x4	.046	2.124	47	.006	4.1...	z	...	21.118	30.586	.691	1.495	...	H2-1
86	GSI-2A	L2x2x4	.046	2.038	37	.006	0	z	...	21.118	30.586	.691	1.494	...	H2-1
87	GSI-5A	L2x2x4	.042	2.038	26	.006	4.1...	z	...	21.118	30.586	.691	1.502	...	H2-1
88	STAB-3B	PIPE_2.0	.019	3.989	30	.096	3.9...		...	26.548	32.13	1.872	1.872	...	H1-...
89	STAB-2B	PIPE_2.0	.018	3.989	25	.101	3.9...		...	26.548	32.13	1.872	1.872	...	H1-...
90	STAB-1B	PIPE_2.0	.018	3.989	20	.100	0		...	26.548	32.13	1.872	1.872	...	H1-...
91	STAB-3U	PIPE_2.0	.017	1.995	42	.141	0		...	26.548	32.13	1.872	1.872	...	H1-...
92	STAB-1U	PIPE_2.0	.017	1.995	48	.134	0		...	26.548	32.13	1.872	1.872	...	H1-...
93	STAB-2U	PIPE_2.0	.017	1.995	37	.142	0		...	26.548	32.13	1.872	1.872	...	H1-...
94	EC-1	L5X5X6	.005	.292	34	.155	0	y	...	114	118.26	7.418	16.005	...	H2-1
95	EC-2	L5X5X6	.005	.281	40	.157	0	y	...	114	118.26	7.418	16.005	...	H2-1
96	EC-3	L5X5X6	.005	.281	45	.150	0	y	...	114	118.26	7.418	16.005	...	H2-1

Envelope None Cold Formed Steel Code Checks

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

Date: **December 14, 2021**

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

Subject: Structural Analysis Report

Carrier Designation:	***AT&T Mobility* Co-Locate**	
	Site Number:	CTL01054
	Site Name:	Plainville Center
	FA Number:	10035333
Crown Castle Designation:	**BU Number:**	876333
	Site Name:	Creative Dimensions
	JDE Job Number:	686296
	Work Order Number:	2047110
	Order Number:	586251 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25662.632183
Site Data:	**10 Sparks St., Plainville, Hartford County, CT 06062** **Latitude *41° 40' 24.52"*, Longitude *-72° 51' 16.17"*** **137 Foot - Monopole Tower**	

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity – 87.4%**

This analysis utilizes an ultimate 3-second gust wind speed of 117 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: Gautam Sopal, E.I. / DEN

Respectfully submitted by:

Aaron T. Rucker, P.E.

Electronic Copy

12/14/2021

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 137-ft monopole tower designed by Pittsburg Monopole. The tower has been modified multiple times in the past to accommodate additional loading. The tower was previously extended 12-ft, bringing the overall tower height to 137-ft.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	117 mph
Exposure Category:	C
Topographic Factor:	1.0
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)
113.0	116.0	3	Ericsson	AIR 6449 N77 w/ Mount Pipe	3 6 7	3/8 13/16 7/8
	115.0	3	CCI Antennas	DMP65R-BU6D w/ Mount Pipe		
		3	Quintel Technology	QD8616-7 w/ Mount Pipe		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B30		
		3	Ericsson	RRUS 32 B66		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		2	Raycap	DC6-48-60-18-8F		
		1	Raycap	DC9-48-60-24-8C-EV		
	114.0	3	Ericsson	AIR 6419 B77G w/ Mount Pipe		
	113.0	3	Commscope	P-200 Standoff Bracket		
		6	Site Pro 1	SPTB Stabilizer Arms		
		1	Tower Mounts	Miscellaneous [NA 507-1]		
		1	Tower Mounts	Platform Mount [LP 712-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
124.0	131.0	1	Andrew	VHLP2.5-18	10 4 3	5/16 1/2 1-5/8
		1	Andrew	VHLP1-23		
	124.0	3	Argus Technologies	LLPX310R-V4 w/ Mount Pipe		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		3	Ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
		3	Ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	Ericsson	Radio 4480_TMOV2		
		9	Samsung Telecom.	WIMAX DAP HEAD		
		1	SitePro1	RMQP-496-HK		
103.0	103.0	3	JMA Wireless	MX08FRO665-21 w/ Mount Pipe	1	1-1/2
		3	Fujitsu	TA08025-B605		
		3	Fujitsu	TA08025-B604		
		1	Raycap	RDIDC-9181-PF-48		
		1	Tower Mounts	Commscope MC-PK8-DSH		
50.0	50.0	1	Lucent	KS24019-L112A	1	1/2
		1	Tower Mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1529723	CCISites
Tower Foundation Drawings	1616541	CCISites
Tower Manufacturer Drawings	1440582	CCISites
Tower Reinforcement Drawings	6561090	CCISites
Tower Reinforcement Drawings	5626530	CCISites
Post-Modification Inspection	5781873	CCISites
Tower Reinforcement Drawings	2680348	CCISites
Post-Modification Inspection	6560711	CCISites
Tower Reinforcement Drawings	6679153	CCISites
Post-Modification Inspection	7011614	CCISites
Previous Structural Analysis	6695126	CCISites

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.

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

3.2) Assumptions

1) The tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2, and the referenced drawings.
3) Tower dimensions from 120-ft to 137-ft were assumed correct based on the previous structural analysis by Paul J. Ford dated February 9, 2017 (CCI Doc ID 6695126)
4) TEP assumed the flange connection at 125-ft was designed to resist the full capacity of the installed tower extension.
5) The following material grades were assumed:
   a) Pole shaft from 120-ft to 137-ft: A53-B-35

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

4) ANALYSIS RESULTS

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

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
137 - 132	Pole	TP12.75x12.75x0.375	Pole	0.3%	Pass
132 - 127	Pole	TP12.75x12.75x0.375	Pole	2.3%	Pass
127 - 125	Pole	TP12.75x12.75x0.375	Pole	3.2%	Pass
125 - 120	Pole	TP24x24x0.375	Pole	5.3%	Pass
120 - 115	Pole	TP24x24x0.375	Pole	10.2%	Pass
115 - 110	Pole	TP24x24x0.375	Pole	21.2%	Pass
110 - 105	Pole	TP24x24x0.375	Pole	32.5%	Pass
105 - 100	Pole	TP24x24x0.375	Pole	46.1%	Pass
100 - 95	Pole	TP24x24x0.375	Pole	60.7%	Pass
95 - 90	Pole	TP24x24x0.375	Pole	75.4%	Pass
90 - 89.25	Pole	TP24x24x0.375	Pole	77.6%	Pass
89.25 - 89	Pole + Reinf.	TP24x24x0.5	Pole	59.8%	Pass
89 - 85.66	Pole + Reinf.	TP24x24x0.5	Pole	67.6%	Pass
85.66 - 85.41	Pole + Reinf.	TP24x24x0.625	Reinf. 4 Tension Rupture	68.8%	Pass
85.41 - 81.15	Pole + Reinf.	TP24x24x0.625	Reinf. 4 Tension Rupture	79.1%	Pass
81.15 - 80.9	Pole + Reinf.	TP24x24x0.8625	Reinf. 15 Compression	52.8%	Pass
80.9 - 80.5	Pole + Reinf.	TP24x24x0.8625	Reinf. 15 Compression	53.5%	Pass
80.5 - 80.25	Pole + Reinf.	TP24x24x1.225	Reinf. 12 Tension Rupture	51.0%	Pass
80.25 - 80	Pole + Reinf.	TP24x24x1.225	Reinf. 15 Weldment	60.6%	Pass
80 - 79.75	Pole + Reinf.	TP36x36x0.5	Pole	38.9%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
79.75 - 79	Pole + Reinf.	TP36x36x0.5	Pole	39.8%	Pass
79 - 78.75	Pole	TP36x36x0.375	Pole	52.2%	Pass
78.75 - 73.75	Pole	TP36x36x0.375	Pole	59.9%	Pass
73.75 - 68.75	Pole	TP36x36x0.375	Pole	67.7%	Pass
68.75 - 65.5	Pole	TP36x36x0.375	Pole	72.9%	Pass
65.5 - 65.25	Pole + Reinf.	TP36x36x0.4625	Pole	59.5%	Pass
65.25 - 60.25	Pole + Reinf.	TP36x36x0.4625	Pole	66.1%	Pass
60.25 - 58.4	Pole + Reinf.	TP36x36x0.4625	Pole	68.5%	Pass
58.4 - 58.15	Pole + Reinf.	TP36x36x0.6125	Reinf. 3 Tension Rupture	55.6%	Pass
58.15 - 57.5	Pole + Reinf.	TP36x36x0.6125	Reinf. 3 Tension Rupture	56.3%	Pass
57.5 - 57.25	Pole + Reinf.	TP36x36x0.5125	Reinf. 3 Tension Rupture	66.1%	Pass
57.25 - 52.25	Pole + Reinf.	TP36x36x0.5125	Reinf. 3 Tension Rupture	72.6%	Pass
52.25 - 49.5	Pole + Reinf.	TP36x36x0.5125	Reinf. 3 Tension Rupture	76.2%	Pass
49.5 - 49.25	Pole + Reinf.	TP36x36x0.625	Reinf. 3 Tension Rupture	65.7%	Pass
49.25 - 44.25	Pole + Reinf.	TP36x36x0.625	Reinf. 3 Tension Rupture	71.5%	Pass
44.25 - 41.9	Pole + Reinf.	TP36x36x0.625	Reinf. 3 Tension Rupture	74.3%	Pass
41.9 - 41.65	Pole + Reinf.	TP36x36x0.5125	Pole	84.1%	Pass
41.65 - 40.75	Pole + Reinf.	TP36x36x0.5125	Pole	85.3%	Pass
40.75 - 40.5	Pole + Reinf.	TP36x36x0.7375	Pole	61.2%	Pass
40.5 - 40	Pole + Reinf.	TP36x36x0.7375	Reinf. 14 Weldment	81.0%	Pass
40 - 39.75	Pole + Reinf.	TP42x42x0.6875	Pole	47.0%	Pass
39.75 - 39.25	Pole + Reinf.	TP42x42x0.6875	Pole	47.4%	Pass
39.25 - 39	Pole	TP42x42x0.5	Pole	64.3%	Pass
39 - 34	Pole	TP42x42x0.5	Pole	69.4%	Pass
34 - 29	Pole	TP42x42x0.5	Pole	74.6%	Pass
29 - 24	Pole	TP42x42x0.5	Pole	79.8%	Pass
24 - 19.5	Pole	TP42x42x0.5	Pole	84.5%	Pass
19.5 - 19.25	Pole + Reinf.	TP42x42x0.55	Pole	77.7%	Pass
19.25 - 14.25	Pole + Reinf.	TP42x42x0.55	Pole	82.6%	Pass
14.25 - 13	Pole + Reinf.	TP42x42x0.55	Pole	83.8%	Pass
13 - 12.75	Pole + Reinf.	TP42x42x0.6375	Pole	73.7%	Pass
12.75 - 7.75	Pole + Reinf.	TP42x42x0.6375	Pole	78.1%	Pass
7.75 - 3.67	Pole + Reinf.	TP42x42x0.6375	Pole	81.8%	Pass
3.67 - 3.42	Pole + Reinf.	TP42x42x0.725	Reinf. 2 Tension Rupture	78.1%	Pass
3.42 - 1.5	Pole + Reinf.	TP42x42x0.725	Reinf. 2 Tension Rupture	79.7%	Pass
1.5 - 1.25	Pole + Reinf.	TP42x42x0.675	Reinf. 2 Tension Rupture	86.7%	Pass
1.25 - 0.5	Pole + Reinf.	TP42x42x0.675	Reinf. 2 Tension Rupture	87.4%	Pass
0.5 - 0.25	Pole + Reinf.	TP42x42x0.7	Pole	77.7%	Pass
0.25 - 0	Pole + Reinf.	TP42x42x0.7	Pole	77.9%	Pass
				Summary	
			Pole	85.3%	Pass
			Reinforcement	87.4%	Pass
			Overall	**87.4%**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Flange Connection	120.0	18.5	Pass
1,2	Flange Connection	80.0	43.3	Pass
1,2	Flange Connection	40.0	53.2	Pass
1,2	Anchor Rods	-	80.0	Pass
1,2	Base Plate	-	44.6	Pass
1,2	Base Foundation Structural	-	60.5	Pass
1,2	Base Foundation Soil Interaction	-	21.9	Pass

Structure Rating (max from all components) =	87.4%

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

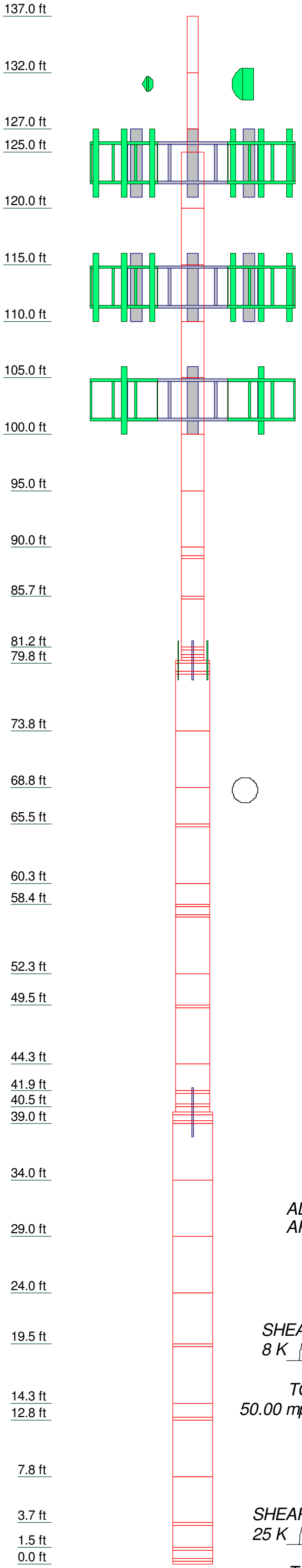
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Size	Length (ft)	Grade	Weight (K)
1	P12.75x0.375	5.00	A53-B-35	0.2
2	P12.75x0.375	5.00		0.2
3	[illegible]	2.00		0.1
4	P24x0.375	5.00		0.5
5	P24x0.375	5.00		0.5
6	P24x0.375	5.00		0.5
7	P24x0.375	5.00		0.5
8	P24x0.375	5.00		0.5
9	P24x0.375	5.00		0.5
10	[illegible]	5.00		0.5
11–12	[illegible]	[illegible]		[illegible]
13	[illegible]	3.34		0.4
14	[illegible]	0.25		0.0
15	[illegible]	4.26		0.7
16–22	[illegible]	[illegible]		[illegible]
23	P36x0.375	5.00		0.7
24	P36x0.375	5.00		0.7
25	[illegible]	3.25		0.5
26	[illegible]	0.25		0.0
27	[illegible]	5.00		0.9
28	[illegible]	1.35		0.3
29–31	[illegible]	[illegible]		[illegible]
32	[illegible]	5.00		1.0
33	[illegible]	2.75		0.5
34	[illegible]	0.25		0.1
35	[illegible]	5.00		1.1
36	[illegible]	1.35		0.5
37–43	[illegible]	[illegible]		[illegible]
44	P42x0.5	5.00		1.1
45	P42x0.5	5.00		1.1
46	P42x0.5	5.00		1.1
47	P42x0.5	4.50		1.0
48	[illegible]	0.25		0.1
49	[illegible]	5.00		1.3
50	[illegible]	1.25		0.3
51	[illegible]	0.25		0.1
52	[illegible]	5.00		1.5
53	[illegible]	4.08		1.2
54	[illegible]	0.25		0.1
55–57	[illegible]	[illegible]		[illegible]
				22.0



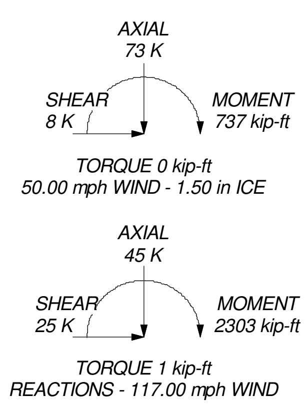
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-35	35 ksi	60 ksi			

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 117.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50.00 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 87.4%

ALL REACTIONS ARE FACTORED



Tower Engineering Professionals	Job: **Creative Dimensions (BU 876333)**		
326 Tryon Road, Raleigh, NC 27603	Project: **TEP No. 25662.632183**		
Phone: (919) 661-6351	Client: Crown Castle	Drawn by: PRS	App'd:
FAX: (919) 661-6350	Code: TIA-222-H	Date: 12/14/21	Scale: NTS
	Path: C:\Users\pstewart\Desktop\Structural TNX Files\876333\Issued Docs\Pre-Seal\876333_2047110_LC7.eri		Dwg No. E-1

Tower Input Data

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

Tower is located in Hartford County, Connecticut.
Tower base elevation above sea level: 189.00 ft.
Basic wind speed of 117.00 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.50 in.
Ice thickness is considered to increase with height.
Ice density of 56.00 pcf.
A wind speed of 50.00 mph is used in combination with ice.
Temperature drop of 50.00 °F.
Deflections calculated using a wind speed of 60.00 mph.
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

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	137.00-132.00	5.00	P12.75x0.375	A53-B-35 (35 ksi)	
L2	132.00-127.00	5.00	P12.75x0.375	A53-B-35 (35 ksi)	
L3	127.00-125.00	2.00	P12.75x0.375	A53-B-35 (35 ksi)	
L4	125.00-120.00	5.00	P24x0.375	A53-B-35 (35 ksi)	
L5	120.00-115.00	5.00	P24x0.375	A53-B-35 (35 ksi)	
L6	115.00-110.00	5.00	P24x0.375	A53-B-35 (35 ksi)	
L7	110.00-105.00	5.00	P24x0.375	A53-B-35 (35 ksi)	
L8	105.00-100.00	5.00	P24x0.375	A53-B-35 (35 ksi)	
L9	100.00-95.00	5.00	P24x0.375	A53-B-35 (35 ksi)	
L10	95.00-90.00	5.00	P24x0.375	A53-B-35 (35 ksi)	
L11	90.00-89.25	0.75	P24x0.375	A53-B-35 (35 ksi)	
L12	89.25-89.00	0.25	P24x0.5	A53-B-35 (35 ksi)	
L13	89.00-85.66	3.34	P24x0.5	A53-B-35 (35 ksi)	
L14	85.66-85.41	0.25	P24x0.625	A53-B-35 (35 ksi)	
L15	85.41-81.15	4.26	P24x0.625	A53-B-35 (35 ksi)	
L16	81.15-80.90	0.25	P24x0.8625	A53-B-35 (35 ksi)	
L17	80.90-80.50	0.40	P24x0.8625	A53-B-35 (35 ksi)	
L18	80.50-80.25	0.25	P24x1.225	A53-B-35 (35 ksi)	
L19	80.25-80.00	0.25	P24x1.225	A53-B-35 (35 ksi)	
L20	80.00-79.75	0.25	P36x0.5	A53-B-35 (35 ksi)	
L21	79.75-79.00	0.75	P36x0.5	A53-B-35 (35 ksi)	
L22	79.00-78.75	0.25	P36x0.375	A53-B-35 (35 ksi)	
L23	78.75-73.75	5.00	P36x0.375	A53-B-35 (35 ksi)	
L24	73.75-68.75	5.00	P36x0.375	A53-B-35 (35 ksi)	
L25	68.75-65.50	3.25	P36x0.375	A53-B-35 (35 ksi)	
L26	65.50-65.25	0.25	P36x0.4625	A53-B-35 (35 ksi)	
L27	65.25-60.25	5.00	P36x0.4625	A53-B-35 (35 ksi)	
L28	60.25-58.40	1.85	P36x0.4625	A53-B-35 (35 ksi)	
L29	58.40-58.15	0.25	P36x0.6125	A53-B-35 (35 ksi)	

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L30	58.15-57.50	0.65	P36x0.6125	A53-B-35 (35 ksi)	
L31	57.50-57.25	0.25	P36x0.5125	A53-B-35 (35 ksi)	
L32	57.25-52.25	5.00	P36x0.5125	A53-B-35 (35 ksi)	
L33	52.25-49.50	2.75	P36x0.5125	A53-B-35 (35 ksi)	
L34	49.50-49.25	0.25	P36x0.625	A53-B-35 (35 ksi)	
L35	49.25-44.25	5.00	P36x0.625	A53-B-35 (35 ksi)	
L36	44.25-41.90	2.35	P36x0.625	A53-B-35 (35 ksi)	
L37	41.90-41.65	0.25	P36x0.5125	A53-B-35 (35 ksi)	
L38	41.65-40.75	0.90	P36x0.5125	A53-B-35 (35 ksi)	
L39	40.75-40.50	0.25	P36x0.7375	A53-B-35 (35 ksi)	
L40	40.50-40.00	0.50	P36x0.7375	A53-B-35 (35 ksi)	
L41	40.00-39.75	0.25	P42x0.6875	A53-B-35 (35 ksi)	
L42	39.75-39.25	0.50	P42x0.6875	A53-B-35 (35 ksi)	
L43	39.25-39.00	0.25	P42x0.5	A53-B-35 (35 ksi)	
L44	39.00-34.00	5.00	P42x0.5	A53-B-35 (35 ksi)	
L45	34.00-29.00	5.00	P42x0.5	A53-B-35 (35 ksi)	
L46	29.00-24.00	5.00	P42x0.5	A53-B-35 (35 ksi)	
L47	24.00-19.50	4.50	P42x0.5	A53-B-35 (35 ksi)	
L48	19.50-19.25	0.25	P42x0.55	A53-B-35 (35 ksi)	
L49	19.25-14.25	5.00	P42x0.55	A53-B-35 (35 ksi)	
L50	14.25-13.00	1.25	P42x0.55	A53-B-35 (35 ksi)	
L51	13.00-12.75	0.25	P42x0.6375	A53-B-35 (35 ksi)	
L52	12.75-7.75	5.00	P42x0.6375	A53-B-35 (35 ksi)	
L53	7.75-3.67	4.08	P42x0.6375	A53-B-35 (35 ksi)	
L54	3.67-3.42	0.25	P42x0.725	A53-B-35 (35 ksi)	
L55	3.42-1.50	1.92	P42x0.725	A53-B-35 (35 ksi)	
L56	1.50-1.25	0.25	P42x0.675	A53-B-35 (35 ksi)	
L57	1.25-0.50	0.75	P42x0.675	A53-B-35 (35 ksi)	
L58	0.50-0.25	0.25	P42x0.7	A53-B-35 (35 ksi)	
L59	0.25-0.00	0.25	P42x0.7	A53-B-35 (35 ksi)	

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 137.00-132.00				1	1	1			
L2 132.00-127.00				1	1	1			
L3 127.00-125.00				1	1	1			
L4 125.00-120.00				1	1	1			
L5 120.00-115.00				1	1	1			
L6 115.00-110.00				1	1	1			
L7 110.00-105.00				1	1	1			
L8 105.00-100.00				1	1	1			
L9 100.00-95.00				1	1	1			
L10 95.00-90.00				1	1	1			
L11 90.00-89.25				1	1	1			
L12 89.25-89.00				1	1	0.997801			
L13 89.00-85.66				1	1	0.997801			
L14 85.66-85.41				1	1	0.986346			
L15 85.41-81.15				1	1	0.986346			
L16 81.15-80.90				1	1	0.814793			
L17 80.90-80.50				1	1	0.814793			
L18 80.50-80.25				1	1	0.634153			
L19 80.25-80.00				1	1	0.634153			
L20 80.00-79.75				1	1	0.994736			
L21 79.75-79.00				1	1	0.994736			
L22 79.00-78.75				1	1	1			
L23 78.75-73.75				1	1	1			
L24 73.75-68.75				1	1	1			
L25 68.75-65.50				1	1	1			
L26 65.50-65.25				1	1	0.987106			
L27 65.25-60.25				1	1	0.987106			
L28 60.25-58.40				1	1	0.987106			

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
L29 58.40-58.15				1	1	0.963303			
L30 58.15-57.50				1	1	0.963303			
L31 57.50-57.25				1	1	0.990505			
L32 57.25-52.25				1	1	0.990505			
L33 52.25-49.50				1	1	0.990505			
L34 49.50-49.25				1	1	0.944371			
L35 49.25-44.25				1	1	0.944371			
L36 44.25-41.90				1	1	0.944371			
L37 41.90-41.65				1	1	0.983942			
L38 41.65-40.75				1	1	0.983942			
L39 40.75-40.50				1	1	0.876306			
L40 40.50-40.00				1	1	0.876306			
L41 40.00-39.75				1	1	1.00375			
L42 39.75-39.25				1	1	1.00375			
L43 39.25-39.00				1	1	1			
L44 39.00-34.00				1	1	1			
L45 34.00-29.00				1	1	1			
L46 29.00-24.00				1	1	1			
L47 24.00-19.50				1	1	1			
L48 19.50-19.25				1	1	1.03585			
L49 19.25-14.25				1	1	1.03585			
L50 14.25-13.00				1	1	1.03585			
L51 13.00-12.75				1	1	1.06306			
L52 12.75-7.75				1	1	1.06306			
L53 7.75-3.67				1	1	1.06306			
L54 3.67-3.42				1	1	1.02649			
L55 3.42-1.50				1	1	1.02649			
L56 1.50-1.25				1	1	0.998491			
L57 1.25-0.50				1	1	0.998491			
L58 0.50-0.25				1	1	0.989563			
L59 0.25-0.00				1	1	0.989563			

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
Safety Line 3/8	A	No	Surface Ar (CaAa)	137.00 - 0.00	1	1	-0.250 -0.250	0.38		0.00
Ladder Rail - L4x4x5/16	A	No	Surface Ar (CaAa)	80.00 - 0.00	1	1	-0.250 -0.250	4.00		0.01
Mods										
PL 1x4.625	C	No	Surface Af (CaAa)	14.25 - 0.00	1	1	0.167 0.167	4.63	11.25	0.00
PL 1x4.625	B	No	Surface Af (CaAa)	14.25 - 0.00	1	1	0.417 0.417	4.63	11.25	0.00
PL 1x4.625	A	No	Surface Af (CaAa)	14.25 - 0.00	1	1	0.417 0.417	4.63	11.25	0.02
***										
PL 1x4.875	C	No	Surface Af (CaAa)	59.90 - 40.40	1	1	0.167 0.167	4.88	11.75	0.00
PL 1x4.875	B	No	Surface Af (CaAa)	59.90 - 40.40	1	1	0.250 0.250	4.88	11.75	0.00
PL 1x4.875	A	No	Surface Af (CaAa)	59.90 - 40.40	1	1	0.167 0.167	4.88	11.75	0.02
***										
PL 0.75x3.75	C	No	Surface Af (CaAa)	86.66 - 80.40	1	1	0.167 0.167	3.75	0.00	0.00
PL 0.75x3.75	B	No	Surface Af (CaAa)	86.66 - 80.40	1	1	0.083 0.083	3.75	9.00	0.00
PL 0.75x3.75	A	No	Surface Af (CaAa)	86.66 - 80.40	1	1	0.167 0.167	3.75	9.00	0.01
***										
(Area) CCI-65FP-040075 (H)	C	No	Surface Af (CaAa)	20.50 - 0.00	1	1	-0.083 -0.083	4.00	9.50	0.00
(Area) CCI-65FP-040075 (H)	B	No	Surface Af (CaAa)	20.50 - 0.00	1	1	0.167 0.167	4.00	9.50	0.00
(Area) CCI-65FP-040075 (H)	A	No	Surface Af (CaAa)	20.50 - 0.00	1	1	0.167 0.167	4.00	9.50	0.00
***										
(Area) Sabre MS650 (1.25x6.50) (H)	A	No	Surface Af (CaAa)	40.00 - 35.75	1	1	-0.417 -0.417	6.50	15.50	0.00
(Area) Sabre MS650 (1.25x6.50) (H)	C	No	Surface Af (CaAa)	40.00 - 35.75	1	1	-0.333 -0.333	6.50	15.50	0.00
(Area) Sabre MS650 (1.25x6.50) (H)	B	No	Surface Af (CaAa)	40.00 - 35.75	1	1	-0.333 -0.333	6.50	15.50	0.00
***										
(Area) Sabre MS650 (1.25x6.50) (H)	A	No	Surface Af (CaAa)	44.25 - 40.00	1	1	-0.417 -0.417	6.50	15.50	0.00
(Area) Sabre MS650 (1.25x6.50) (H)	C	No	Surface Af (CaAa)	44.25 - 40.00	1	1	-0.333 -0.333	6.50	15.50	0.00
(Area) Sabre MS650 (1.25x6.50) (H)	B	No	Surface Af (CaAa)	44.25 - 40.00	1	1	-0.333 -0.333	6.50	15.50	0.00
(Area) Sabre MS400 (0.75x4.00) (H)	A	No	Surface Af (CaAa)	50.50 - 40.50	1	1	-0.417 -0.417	4.00	9.50	0.00
(Area) Sabre MS400 (0.75x4.00) (H)	C	No	Surface Af (CaAa)	50.50 - 40.50	1	1	-0.333 -0.333	4.00	9.50	0.00
(Area) Sabre MS400 (0.75x4.00) (H)	B	No	Surface Af (CaAa)	50.50 - 40.50	1	1	-0.333 -0.333	4.00	9.50	0.00
(Area) CCI-65FP-040075 (H)	C	No	Surface Af (CaAa)	66.50 - 56.50	1	1	0.333 0.333	4.00	9.50	0.00
(Area) CCI-65FP-040075 (H)	B	No	Surface Af (CaAa)	66.50 - 56.50	1	1	0.333 0.333	4.00	9.50	0.00
(Area) CCI-65FP-040075	A	No	Surface Af	66.50 -	1	1	0.333	4.00	9.50	0.00

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
(H) ***			(CaAa)	56.50			0.333			
(Area) Sabre MS450 (1.00x4.50) (H)	A	No	Surface Af (CaAa)	80.00 - 76.50	1	1	-0.417 -0.417	4.50	11.00	0.00
(Area) Sabre MS450 (1.00x4.50) (H)	C	No	Surface Af (CaAa)	80.00 - 76.50	1	1	-0.333 -0.333	4.50	11.00	0.00
(Area) Sabre MS450 (1.00x4.50) (H) ***	B	No	Surface Af (CaAa)	80.00 - 76.50	1	1	-0.333 -0.333	4.50	11.00	0.00
(Area) Sabre MS450 (1.00x4.50) (H)	A	No	Surface Af (CaAa)	83.00 - 80.00	1	1	-0.417 -0.417	4.50	11.00	0.00
(Area) Sabre MS450 (1.00x4.50) (H)	C	No	Surface Af (CaAa)	83.00 - 80.00	1	1	-0.333 -0.333	4.50	11.00	0.00
(Area) Sabre MS450 (1.00x4.50) (H)	B	No	Surface Af (CaAa)	83.00 - 80.00	1	1	-0.333 -0.333	4.50	11.00	0.00
(Area) Sabre MS400 (0.75x4.00) (H)	A	No	Surface Af (CaAa)	90.25 - 80.25	1	1	-0.417 -0.417	4.00	9.50	0.00
(Area) Sabre MS400 (0.75x4.00) (H)	C	No	Surface Af (CaAa)	90.25 - 80.25	1	1	-0.333 -0.333	4.00	9.50	0.00
(Area) Sabre MS400 (0.75x4.00) (H) ****	B	No	Surface Af (CaAa)	90.25 - 80.25	1	1	-0.333 -0.333	4.00	9.50	0.00

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
124									
LDF4-50A(1/2)	C	No	No	Inside Pole	124.00 - 0.00	4	No Ice	0.00	0.00
							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
9207(5/16)	C	No	No	Inside Pole	124.00 - 0.00	10	No Ice	0.00	0.00
							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
2" Flexible Conduit	C	No	No	Inside Pole	124.00 - 0.00	2	No Ice	0.00	0.00
							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
HB158-21U6S24-xx M_TMO(1-5/8)	C	No	No	Inside Pole	124.00 - 0.00	3	No Ice	0.00	0.00
							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
113									
LDF5-50A(7/8)	C	No	No	Inside Pole	113.00 - 0.00	6	No Ice	0.00	0.00
							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
PWRT-608-S(13/16)	C	No	No	Inside Pole	113.00 - 0.00	6	No Ice	0.00	0.00
							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
PWRT-606-S(7/8)	C	No	No	Inside Pole	113.00 - 0.00	1	No Ice	0.00	0.00
							1/2" Ice	0.00	0.00

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
FB-L98B-034-XXX(	C	No	No	Inside Pole	113.00 - 0.00	2	No Ice	0.00	0.00
3/8)							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
FB-L98B-235-XXX(	C	No	No	Inside Pole	113.00 - 0.00	1	No Ice	0.00	0.00
3/8)							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
103									
CU12PSM9P6XXX(	A	No	No	Inside Pole	103.00 - 0.00	1	No Ice	0.00	0.00
1-1/2)							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
92									
50									
LDF4-50A(1/2)	C	No	No	Inside Pole	50.00 - 0.00	1	No Ice	0.00	0.00
							1/2" Ice	0.00	0.00
							1" Ice	0.00	0.00
							2" Ice	0.00	0.00
***									
***									
***									
****									

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	137.00-132.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L2	132.00-127.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L3	127.00-125.00	A	0.000	0.000	0.075	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L4	125.00-120.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.04
L5	120.00-115.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.05
L6	115.00-110.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.07
L7	110.00-105.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L8	105.00-100.00	A	0.000	0.000	0.188	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.00

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	0.000	0.000	0.08
L9	100.00-95.00	A	0.000	0.000	0.188	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L10	95.00-90.00	A	0.000	0.000	0.354	0.000	0.01
		B	0.000	0.000	0.167	0.000	0.00
		C	0.000	0.000	0.167	0.000	0.08
L11	90.00-89.25	A	0.000	0.000	0.528	0.000	0.00
		B	0.000	0.000	0.500	0.000	0.00
		C	0.000	0.000	0.500	0.000	0.01
L12	89.25-89.00	A	0.000	0.000	0.176	0.000	0.00
		B	0.000	0.000	0.167	0.000	0.00
		C	0.000	0.000	0.167	0.000	0.00
L13	89.00-85.66	A	0.000	0.000	2.921	0.000	0.02
		B	0.000	0.000	2.796	0.000	0.00
		C	0.000	0.000	2.800	0.000	0.05
L14	85.66-85.41	A	0.000	0.000	0.318	0.000	0.00
		B	0.000	0.000	0.309	0.000	0.00
		C	0.000	0.000	0.310	0.000	0.00
L15	85.41-81.15	A	0.000	0.000	6.415	0.000	0.05
		B	0.000	0.000	6.255	0.000	0.00
		C	0.000	0.000	6.272	0.000	0.07
L16	81.15-80.90	A	0.000	0.000	0.452	0.000	0.00
		B	0.000	0.000	0.443	0.000	0.00
		C	0.000	0.000	0.444	0.000	0.00
L17	80.90-80.50	A	0.000	0.000	0.723	0.000	0.00
		B	0.000	0.000	0.708	0.000	0.00
		C	0.000	0.000	0.710	0.000	0.01
L18	80.50-80.25	A	0.000	0.000	0.367	0.000	0.00
		B	0.000	0.000	0.357	0.000	0.00
		C	0.000	0.000	0.358	0.000	0.00
L19	80.25-80.00	A	0.000	0.000	0.143	0.000	0.00
		B	0.000	0.000	0.134	0.000	0.00
		C	0.000	0.000	0.134	0.000	0.00
L20	80.00-79.75	A	0.000	0.000	0.247	0.000	0.00
		B	0.000	0.000	0.138	0.000	0.00
		C	0.000	0.000	0.138	0.000	0.00
L21	79.75-79.00	A	0.000	0.000	0.742	0.000	0.01
		B	0.000	0.000	0.414	0.000	0.00
		C	0.000	0.000	0.414	0.000	0.01
L22	79.00-78.75	A	0.000	0.000	0.247	0.000	0.00
		B	0.000	0.000	0.138	0.000	0.00
		C	0.000	0.000	0.138	0.000	0.00
L23	78.75-73.75	A	0.000	0.000	3.428	0.000	0.05
		B	0.000	0.000	1.241	0.000	0.00
		C	0.000	0.000	1.241	0.000	0.08
L24	73.75-68.75	A	0.000	0.000	2.188	0.000	0.05
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L25	68.75-65.50	A	0.000	0.000	2.089	0.000	0.04
		B	0.000	0.000	0.667	0.000	0.00
		C	0.000	0.000	0.667	0.000	0.05
L26	65.50-65.25	A	0.000	0.000	0.276	0.000	0.00
		B	0.000	0.000	0.167	0.000	0.00
		C	0.000	0.000	0.167	0.000	0.00
L27	65.25-60.25	A	0.000	0.000	5.521	0.000	0.05
		B	0.000	0.000	3.333	0.000	0.00
		C	0.000	0.000	3.333	0.000	0.08
L28	60.25-58.40	A	0.000	0.000	3.261	0.000	0.04
		B	0.000	0.000	2.452	0.000	0.00
		C	0.000	0.000	2.452	0.000	0.03

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
L29	58.40-58.15	A	0.000	0.000	0.479	0.000	0.01
		B	0.000	0.000	0.370	0.000	0.00
		C	0.000	0.000	0.370	0.000	0.00
L30	58.15-57.50	A	0.000	0.000	1.246	0.000	0.02
		B	0.000	0.000	0.961	0.000	0.00
		C	0.000	0.000	0.961	0.000	0.01
L31	57.50-57.25	A	0.000	0.000	0.479	0.000	0.01
		B	0.000	0.000	0.370	0.000	0.00
		C	0.000	0.000	0.370	0.000	0.00
L32	57.25-52.25	A	0.000	0.000	6.750	0.000	0.14
		B	0.000	0.000	4.563	0.000	0.00
		C	0.000	0.000	4.563	0.000	0.08
L33	52.25-49.50	A	0.000	0.000	4.104	0.000	0.08
		B	0.000	0.000	2.901	0.000	0.00
		C	0.000	0.000	2.901	0.000	0.04
L34	49.50-49.25	A	0.000	0.000	0.479	0.000	0.01
		B	0.000	0.000	0.370	0.000	0.00
		C	0.000	0.000	0.370	0.000	0.00
L35	49.25-44.25	A	0.000	0.000	9.583	0.000	0.14
		B	0.000	0.000	7.396	0.000	0.00
		C	0.000	0.000	7.396	0.000	0.08
L36	44.25-41.90	A	0.000	0.000	6.316	0.000	0.06
		B	0.000	0.000	5.288	0.000	0.00
		C	0.000	0.000	5.288	0.000	0.04
L37	41.90-41.65	A	0.000	0.000	0.672	0.000	0.01
		B	0.000	0.000	0.563	0.000	0.00
		C	0.000	0.000	0.563	0.000	0.00
L38	41.65-40.75	A	0.000	0.000	2.419	0.000	0.02
		B	0.000	0.000	2.025	0.000	0.00
		C	0.000	0.000	2.025	0.000	0.01
L39	40.75-40.50	A	0.000	0.000	0.672	0.000	0.01
		B	0.000	0.000	0.563	0.000	0.00
		C	0.000	0.000	0.563	0.000	0.00
L40	40.50-40.00	A	0.000	0.000	0.686	0.000	0.01
		B	0.000	0.000	0.467	0.000	0.00
		C	0.000	0.000	0.467	0.000	0.01
L41	40.00-39.75	A	0.000	0.000	0.302	0.000	0.00
		B	0.000	0.000	0.193	0.000	0.00
		C	0.000	0.000	0.193	0.000	0.00
L42	39.75-39.25	A	0.000	0.000	0.604	0.000	0.01
		B	0.000	0.000	0.386	0.000	0.00
		C	0.000	0.000	0.386	0.000	0.01
L43	39.25-39.00	A	0.000	0.000	0.302	0.000	0.00
		B	0.000	0.000	0.193	0.000	0.00
		C	0.000	0.000	0.193	0.000	0.00
L44	39.00-34.00	A	0.000	0.000	4.693	0.000	0.05
		B	0.000	0.000	2.506	0.000	0.00
		C	0.000	0.000	2.506	0.000	0.08
L45	34.00-29.00	A	0.000	0.000	2.188	0.000	0.05
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L46	29.00-24.00	A	0.000	0.000	2.188	0.000	0.05
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L47	24.00-19.50	A	0.000	0.000	2.635	0.000	0.05
		B	0.000	0.000	0.667	0.000	0.00
		C	0.000	0.000	0.667	0.000	0.07
L48	19.50-19.25	A	0.000	0.000	0.276	0.000	0.00
		B	0.000	0.000	0.167	0.000	0.00
		C	0.000	0.000	0.167	0.000	0.00
L49	19.25-14.25	A	0.000	0.000	5.521	0.000	0.05

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
		B	0.000	0.000	3.333	0.000	0.00
		C	0.000	0.000	3.333	0.000	0.08
L50	14.25-13.00	A	0.000	0.000	2.344	0.000	0.03
		B	0.000	0.000	1.797	0.000	0.00
		C	0.000	0.000	1.797	0.000	0.02
L51	13.00-12.75	A	0.000	0.000	0.469	0.000	0.01
		B	0.000	0.000	0.359	0.000	0.00
		C	0.000	0.000	0.359	0.000	0.00
L52	12.75-7.75	A	0.000	0.000	9.375	0.000	0.13
		B	0.000	0.000	7.188	0.000	0.00
		C	0.000	0.000	7.188	0.000	0.08
L53	7.75-3.67	A	0.000	0.000	7.650	0.000	0.11
		B	0.000	0.000	5.865	0.000	0.00
		C	0.000	0.000	5.865	0.000	0.07
L54	3.67-3.42	A	0.000	0.000	0.469	0.000	0.01
		B	0.000	0.000	0.359	0.000	0.00
		C	0.000	0.000	0.359	0.000	0.00
L55	3.42-1.50	A	0.000	0.000	3.600	0.000	0.05
		B	0.000	0.000	2.760	0.000	0.00
		C	0.000	0.000	2.760	0.000	0.03
L56	1.50-1.25	A	0.000	0.000	0.469	0.000	0.01
		B	0.000	0.000	0.359	0.000	0.00
		C	0.000	0.000	0.359	0.000	0.00
L57	1.25-0.50	A	0.000	0.000	1.406	0.000	0.02
		B	0.000	0.000	1.078	0.000	0.00
		C	0.000	0.000	1.078	0.000	0.01
L58	0.50-0.25	A	0.000	0.000	0.469	0.000	0.01
		B	0.000	0.000	0.359	0.000	0.00
		C	0.000	0.000	0.359	0.000	0.00
L59	0.25-0.00	A	0.000	0.000	0.469	0.000	0.01
		B	0.000	0.000	0.359	0.000	0.00
		C	0.000	0.000	0.359	0.000	0.00

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	137.00-132.00	A	1.467	0.000	0.000	1.655	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L2	132.00-127.00	A	1.462	0.000	0.000	1.649	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L3	127.00-125.00	A	1.458	0.000	0.000	0.658	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L4	125.00-120.00	A	1.454	0.000	0.000	1.641	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.04
L5	120.00-115.00	A	1.448	0.000	0.000	1.635	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.05
L6	115.00-110.00	A	1.441	0.000	0.000	1.629	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.07
L7	110.00-105.00	A	1.435	0.000	0.000	1.622	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00

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
		C		0.000	0.000	0.000	0.000	0.08
L8	105.00-100.00	A	1.428	0.000	0.000	1.616	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L9	100.00-95.00	A	1.421	0.000	0.000	1.608	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L10	95.00-90.00	A	1.413	0.000	0.000	1.816	0.000	0.03
		B		0.000	0.000	0.215	0.000	0.00
		C		0.000	0.000	0.215	0.000	0.08
L11	90.00-89.25	A	1.409	0.000	0.000	0.885	0.000	0.01
		B		0.000	0.000	0.646	0.000	0.01
		C		0.000	0.000	0.646	0.000	0.02
L12	89.25-89.00	A	1.408	0.000	0.000	0.295	0.000	0.00
		B		0.000	0.000	0.215	0.000	0.00
		C		0.000	0.000	0.215	0.000	0.01
L13	89.00-85.66	A	1.405	0.000	0.000	4.656	0.000	0.06
		B		0.000	0.000	3.592	0.000	0.03
		C		0.000	0.000	3.594	0.000	0.09
L14	85.66-85.41	A	1.402	0.000	0.000	0.474	0.000	0.01
		B		0.000	0.000	0.394	0.000	0.00
		C		0.000	0.000	0.395	0.000	0.01
L15	85.41-81.15	A	1.399	0.000	0.000	9.332	0.000	0.15
		B		0.000	0.000	7.980	0.000	0.08
		C		0.000	0.000	7.991	0.000	0.15
L16	81.15-80.90	A	1.395	0.000	0.000	0.644	0.000	0.01
		B		0.000	0.000	0.565	0.000	0.01
		C		0.000	0.000	0.565	0.000	0.01
L17	80.90-80.50	A	1.394	0.000	0.000	1.030	0.000	0.02
		B		0.000	0.000	0.903	0.000	0.01
		C		0.000	0.000	0.904	0.000	0.02
L18	80.50-80.25	A	1.394	0.000	0.000	0.536	0.000	0.01
		B		0.000	0.000	0.457	0.000	0.00
		C		0.000	0.000	0.457	0.000	0.01
L19	80.25-80.00	A	1.393	0.000	0.000	0.250	0.000	0.00
		B		0.000	0.000	0.171	0.000	0.00
		C		0.000	0.000	0.171	0.000	0.01
L20	80.00-79.75	A	1.393	0.000	0.000	0.424	0.000	0.01
		B		0.000	0.000	0.176	0.000	0.00
		C		0.000	0.000	0.176	0.000	0.01
L21	79.75-79.00	A	1.392	0.000	0.000	1.272	0.000	0.02
		B		0.000	0.000	0.527	0.000	0.01
		C		0.000	0.000	0.527	0.000	0.02
L22	79.00-78.75	A	1.391	0.000	0.000	0.424	0.000	0.01
		B		0.000	0.000	0.176	0.000	0.00
		C		0.000	0.000	0.176	0.000	0.01
L23	78.75-73.75	A	1.386	0.000	0.000	6.539	0.000	0.13
		B		0.000	0.000	1.578	0.000	0.02
		C		0.000	0.000	1.578	0.000	0.10
L24	73.75-68.75	A	1.377	0.000	0.000	4.942	0.000	0.11
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L25	68.75-65.50	A	1.369	0.000	0.000	4.058	0.000	0.08
		B		0.000	0.000	0.857	0.000	0.01
		C		0.000	0.000	0.857	0.000	0.06
L26	65.50-65.25	A	1.365	0.000	0.000	0.460	0.000	0.01
		B		0.000	0.000	0.214	0.000	0.00
		C		0.000	0.000	0.214	0.000	0.01
L27	65.25-60.25	A	1.360	0.000	0.000	9.187	0.000	0.15
		B		0.000	0.000	4.280	0.000	0.04
		C		0.000	0.000	4.280	0.000	0.12

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
L28	60.25-58.40	A	1.352	0.000	0.000	5.016	0.000	0.09
		B		0.000	0.000	3.207	0.000	0.03
		C		0.000	0.000	3.207	0.000	0.06
L29	58.40-58.15	A	1.350	0.000	0.000	0.729	0.000	0.01
		B		0.000	0.000	0.484	0.000	0.00
		C		0.000	0.000	0.484	0.000	0.01
L30	58.15-57.50	A	1.349	0.000	0.000	1.894	0.000	0.04
		B		0.000	0.000	1.259	0.000	0.01
		C		0.000	0.000	1.259	0.000	0.02
L31	57.50-57.25	A	1.348	0.000	0.000	0.728	0.000	0.01
		B		0.000	0.000	0.484	0.000	0.00
		C		0.000	0.000	0.484	0.000	0.01
L32	57.25-52.25	A	1.341	0.000	0.000	10.914	0.000	0.24
		B		0.000	0.000	6.044	0.000	0.05
		C		0.000	0.000	6.044	0.000	0.13
L33	52.25-49.50	A	1.331	0.000	0.000	6.488	0.000	0.14
		B		0.000	0.000	3.820	0.000	0.03
		C		0.000	0.000	3.820	0.000	0.08
L34	49.50-49.25	A	1.327	0.000	0.000	0.725	0.000	0.01
		B		0.000	0.000	0.483	0.000	0.00
		C		0.000	0.000	0.483	0.000	0.01
L35	49.25-44.25	A	1.320	0.000	0.000	14.471	0.000	0.27
		B		0.000	0.000	9.643	0.000	0.08
		C		0.000	0.000	9.643	0.000	0.16
L36	44.25-41.90	A	1.309	0.000	0.000	8.923	0.000	0.15
		B		0.000	0.000	6.664	0.000	0.06
		C		0.000	0.000	6.664	0.000	0.10
L37	41.90-41.65	A	1.305	0.000	0.000	0.948	0.000	0.02
		B		0.000	0.000	0.709	0.000	0.01
		C		0.000	0.000	0.709	0.000	0.01
L38	41.65-40.75	A	1.304	0.000	0.000	3.413	0.000	0.06
		B		0.000	0.000	2.550	0.000	0.02
		C		0.000	0.000	2.550	0.000	0.04
L39	40.75-40.50	A	1.302	0.000	0.000	0.948	0.000	0.02
		B		0.000	0.000	0.708	0.000	0.01
		C		0.000	0.000	0.708	0.000	0.01
L40	40.50-40.00	A	1.301	0.000	0.000	1.041	0.000	0.02
		B		0.000	0.000	0.562	0.000	0.01
		C		0.000	0.000	0.562	0.000	0.01
L41	40.00-39.75	A	1.299	0.000	0.000	0.467	0.000	0.01
		B		0.000	0.000	0.227	0.000	0.00
		C		0.000	0.000	0.227	0.000	0.01
L42	39.75-39.25	A	1.298	0.000	0.000	0.933	0.000	0.02
		B		0.000	0.000	0.455	0.000	0.01
		C		0.000	0.000	0.455	0.000	0.01
L43	39.25-39.00	A	1.297	0.000	0.000	0.466	0.000	0.01
		B		0.000	0.000	0.227	0.000	0.00
		C		0.000	0.000	0.227	0.000	0.01
L44	39.00-34.00	A	1.288	0.000	0.000	7.715	0.000	0.14
		B		0.000	0.000	2.952	0.000	0.03
		C		0.000	0.000	2.952	0.000	0.11
L45	34.00-29.00	A	1.269	0.000	0.000	4.726	0.000	0.11
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L46	29.00-24.00	A	1.247	0.000	0.000	4.682	0.000	0.11
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L47	24.00-19.50	A	1.223	0.000	0.000	5.081	0.000	0.10
		B		0.000	0.000	0.911	0.000	0.01
		C		0.000	0.000	0.911	0.000	0.08
L48	19.50-19.25	A	1.209	0.000	0.000	0.457	0.000	0.01

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
		B		0.000	0.000	0.227	0.000	0.00
		C		0.000	0.000	0.227	0.000	0.01
L49	19.25-14.25	A	1.191	0.000	0.000	9.095	0.000	0.14
		B		0.000	0.000	4.525	0.000	0.03
		C		0.000	0.000	4.525	0.000	0.11
L50	14.25-13.00	A	1.167	0.000	0.000	3.508	0.000	0.06
		B		0.000	0.000	2.378	0.000	0.02
		C		0.000	0.000	2.378	0.000	0.04
L51	13.00-12.75	A	1.160	0.000	0.000	0.700	0.000	0.01
		B		0.000	0.000	0.475	0.000	0.00
		C		0.000	0.000	0.475	0.000	0.01
L52	12.75-7.75	A	1.134	0.000	0.000	13.907	0.000	0.24
		B		0.000	0.000	9.451	0.000	0.06
		C		0.000	0.000	9.451	0.000	0.15
L53	7.75-3.67	A	1.070	0.000	0.000	11.142	0.000	0.19
		B		0.000	0.000	7.611	0.000	0.05
		C		0.000	0.000	7.611	0.000	0.12
L54	3.67-3.42	A	1.020	0.000	0.000	0.673	0.000	0.01
		B		0.000	0.000	0.461	0.000	0.00
		C		0.000	0.000	0.461	0.000	0.01
L55	3.42-1.50	A	0.983	0.000	0.000	5.111	0.000	0.09
		B		0.000	0.000	3.515	0.000	0.02
		C		0.000	0.000	3.515	0.000	0.05
L56	1.50-1.25	A	0.928	0.000	0.000	0.654	0.000	0.01
		B		0.000	0.000	0.452	0.000	0.00
		C		0.000	0.000	0.452	0.000	0.01
L57	1.25-0.50	A	0.887	0.000	0.000	1.938	0.000	0.03
		B		0.000	0.000	1.344	0.000	0.01
		C		0.000	0.000	1.344	0.000	0.02
L58	0.50-0.25	A	0.815	0.000	0.000	0.632	0.000	0.01
		B		0.000	0.000	0.441	0.000	0.00
		C		0.000	0.000	0.441	0.000	0.01
L59	0.25-0.00	A	0.730	0.000	0.000	0.615	0.000	0.01
		B		0.000	0.000	0.432	0.000	0.00
		C		0.000	0.000	0.432	0.000	0.01

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	137.00-132.00	-0.36	0.00	-1.14	0.00
L2	132.00-127.00	-0.36	0.00	-1.14	0.00
L3	127.00-125.00	-0.36	0.00	-1.14	0.00
L4	125.00-120.00	-0.37	0.00	-1.33	0.00
L5	120.00-115.00	-0.37	0.00	-1.32	0.00
L6	115.00-110.00	-0.37	0.00	-1.32	0.00
L7	110.00-105.00	-0.37	0.00	-1.31	0.00
L8	105.00-100.00	-0.37	0.00	-1.31	0.00
L9	100.00-95.00	-0.37	0.00	-1.30	0.00
L10	95.00-90.00	-0.28	0.09	-1.21	0.05
L11	90.00-89.25	0.29	0.54	-0.29	0.56
L12	89.25-89.00	0.29	0.54	-0.29	0.56
L13	89.00-85.66	0.24	0.33	-0.28	0.34
L14	85.66-85.41	0.16	-0.02	-0.25	-0.01
L15	85.41-81.15	0.23	0.13	-0.13	0.14
L16	81.15-80.90	0.31	0.29	-0.00	0.30

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L17	80.90-80.50	0.31	0.29	-0.00	0.30
L18	80.50-80.25	0.39	0.55	0.02	0.56
L19	80.25-80.00	0.26	0.59	-0.37	0.61
L20	80.00-79.75	-1.63	0.75	-2.37	0.55
L21	79.75-79.00	-1.63	0.75	-2.37	0.55
L22	79.00-78.75	-1.63	0.75	-2.37	0.55
L23	78.75-73.75	-2.49	0.44	-3.10	0.30
L24	73.75-68.75	-3.69	0.00	-3.95	0.00
L25	68.75-65.50	-2.90	0.00	-3.39	0.00
L26	65.50-65.25	-1.96	0.00	-2.57	0.00
L27	65.25-60.25	-1.96	0.00	-2.57	0.00
L28	60.25-58.40	-1.14	0.51	-1.95	0.55
L29	58.40-58.15	-1.09	0.60	-1.84	0.63
L30	58.15-57.50	-1.09	0.60	-1.84	0.63
L31	57.50-57.25	-1.09	0.60	-1.84	0.63
L32	57.25-52.25	-1.77	0.97	-2.33	0.80
L33	52.25-49.50	-1.47	1.13	-2.05	0.94
L34	49.50-49.25	-0.78	1.02	-1.52	1.06
L35	49.25-44.25	-0.78	1.02	-1.52	1.06
L36	44.25-41.90	-0.32	1.18	-0.91	1.21
L37	41.90-41.65	-0.32	1.18	-0.91	1.21
L38	41.65-40.75	-0.32	1.18	-0.91	1.21
L39	40.75-40.50	-0.32	1.18	-0.91	1.21
L40	40.50-40.00	-0.82	0.80	-1.82	0.80
L41	40.00-39.75	-0.93	0.70	-2.12	0.71
L42	39.75-39.25	-0.93	0.70	-2.12	0.71
L43	39.25-39.00	-0.93	0.70	-2.12	0.71
L44	39.00-34.00	-1.89	0.78	-2.60	0.52
L45	34.00-29.00	-3.90	0.00	-3.93	0.00
L46	29.00-24.00	-3.90	0.00	-3.90	0.00
L47	24.00-19.50	-2.28	0.14	-2.77	0.09
L48	19.50-19.25	0.87	0.40	-0.19	0.31
L49	19.25-14.25	0.87	0.40	-0.18	0.31
L50	14.25-13.00	1.62	1.69	1.12	1.79
L51	13.00-12.75	1.62	1.69	1.12	1.79
L52	12.75-7.75	1.62	1.69	1.13	1.79
L53	7.75-3.67	1.62	1.69	1.15	1.79
L54	3.67-3.42	1.62	1.69	1.17	1.78
L55	3.42-1.50	1.62	1.69	1.18	1.78
L56	1.50-1.25	1.62	1.69	1.21	1.77
L57	1.25-0.50	1.62	1.69	1.22	1.77
L58	0.50-0.25	1.62	1.69	1.25	1.77
L59	0.25-0.00	1.62	1.69	1.28	1.76

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	1	Safety Line 3/8	132.00 - 137.00	1.0000	1.0000
L2	1	Safety Line 3/8	127.00 - 132.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L3	1	Safety Line 3/8	125.00 - 127.00	1.0000	1.0000
L4	1	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L5	1	Safety Line 3/8	115.00 - 120.00	1.0000	1.0000
L6	1	Safety Line 3/8	110.00 - 115.00	1.0000	1.0000
L7	1	Safety Line 3/8	105.00 - 110.00	1.0000	1.0000
L8	1	Safety Line 3/8	100.00 - 105.00	1.0000	1.0000
L9	1	Safety Line 3/8	95.00 - 100.00	1.0000	1.0000
L10	1	Safety Line 3/8	90.00 - 95.00	1.0000	1.0000
L10	74	(Area) Sabre MS400 (0.75x4.00) (H)	90.00 - 90.25	1.0000	1.0000
L10	75	(Area) Sabre MS400 (0.75x4.00) (H)	90.00 - 90.25	1.0000	1.0000
L10	77	(Area) Sabre MS400 (0.75x4.00) (H)	90.00 - 90.25	1.0000	1.0000
L11	1	Safety Line 3/8	89.25 - 90.00	1.0000	1.0000
L11	74	(Area) Sabre MS400 (0.75x4.00) (H)	89.25 - 90.00	1.0000	1.0000
L11	75	(Area) Sabre MS400 (0.75x4.00) (H)	89.25 - 90.00	1.0000	1.0000
L11	77	(Area) Sabre MS400 (0.75x4.00) (H)	89.25 - 90.00	1.0000	1.0000
L12	1	Safety Line 3/8	89.00 - 89.25	1.0000	1.0000
L12	74	(Area) Sabre MS400 (0.75x4.00) (H)	89.00 - 89.25	1.0000	1.0000
L12	75	(Area) Sabre MS400 (0.75x4.00) (H)	89.00 - 89.25	1.0000	1.0000
L12	77	(Area) Sabre MS400 (0.75x4.00) (H)	89.00 - 89.25	1.0000	1.0000
L13	1	Safety Line 3/8	85.66 - 89.00	1.0000	1.0000
L13	35	PL 0.75x3.75	85.66 - 86.66	1.0000	1.0000
L13	36	PL 0.75x3.75	85.66 - 86.66	1.0000	1.0000
L13	37	PL 0.75x3.75	85.66 - 86.66	1.0000	1.0000
L13	74	(Area) Sabre MS400 (0.75x4.00) (H)	85.66 - 89.00	1.0000	1.0000
L13	75	(Area) Sabre MS400 (0.75x4.00) (H)	85.66 - 89.00	1.0000	1.0000
L13	77	(Area) Sabre MS400 (0.75x4.00) (H)	85.66 - 89.00	1.0000	1.0000
L14	1	Safety Line 3/8	85.41 - 85.66	1.0000	1.0000
L14	35	PL 0.75x3.75	85.41 - 85.66	1.0000	1.0000
L14	36	PL 0.75x3.75	85.41 - 85.66	1.0000	1.0000
L14	37	PL 0.75x3.75	85.41 - 85.66	1.0000	1.0000
L14	74	(Area) Sabre MS400 (0.75x4.00) (H)	85.41 - 85.66	1.0000	1.0000
L14	75	(Area) Sabre MS400 (0.75x4.00) (H)	85.41 - 85.66	1.0000	1.0000
L14	77	(Area) Sabre MS400 (0.75x4.00) (H)	85.41 - 85.66	1.0000	1.0000
L15	1	Safety Line 3/8	81.15 - 85.41	1.0000	1.0000
L15	35	PL 0.75x3.75	81.15 - 85.41	1.0000	1.0000
L15	36	PL 0.75x3.75	81.15 - 85.41	1.0000	1.0000
L15	37	PL 0.75x3.75	81.15 - 85.41	1.0000	1.0000
L15	69	(Area) Sabre MS450 (1.00x4.50) (H)	81.15 - 83.00	1.0000	1.0000
L15	70	(Area) Sabre MS450 (1.00x4.50) (H)	81.15 - 83.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L15	71	(Area) Sabre MS450 (1.00x4.50) (H)	81.15 - 83.00	1.0000	1.0000
L15	74	(Area) Sabre MS400 (0.75x4.00) (H)	81.15 - 85.41	1.0000	1.0000
L15	75	(Area) Sabre MS400 (0.75x4.00) (H)	81.15 - 85.41	1.0000	1.0000
L15	77	(Area) Sabre MS400 (0.75x4.00) (H)	81.15 - 85.41	1.0000	1.0000
L16	1	Safety Line 3/8	80.90 - 81.15	1.0000	1.0000
L16	35	PL 0.75x3.75	80.90 - 81.15	1.0000	1.0000
L16	36	PL 0.75x3.75	80.90 - 81.15	1.0000	1.0000
L16	37	PL 0.75x3.75	80.90 - 81.15	1.0000	1.0000
L16	69	(Area) Sabre MS450 (1.00x4.50) (H)	80.90 - 81.15	1.0000	1.0000
L16	70	(Area) Sabre MS450 (1.00x4.50) (H)	80.90 - 81.15	1.0000	1.0000
L16	71	(Area) Sabre MS450 (1.00x4.50) (H)	80.90 - 81.15	1.0000	1.0000
L16	74	(Area) Sabre MS400 (0.75x4.00) (H)	80.90 - 81.15	1.0000	1.0000
L16	75	(Area) Sabre MS400 (0.75x4.00) (H)	80.90 - 81.15	1.0000	1.0000
L16	77	(Area) Sabre MS400 (0.75x4.00) (H)	80.90 - 81.15	1.0000	1.0000
L17	1	Safety Line 3/8	80.50 - 80.90	1.0000	1.0000
L17	35	PL 0.75x3.75	80.50 - 80.90	1.0000	1.0000
L17	36	PL 0.75x3.75	80.50 - 80.90	1.0000	1.0000
L17	37	PL 0.75x3.75	80.50 - 80.90	1.0000	1.0000
L17	69	(Area) Sabre MS450 (1.00x4.50) (H)	80.50 - 80.90	1.0000	1.0000
L17	70	(Area) Sabre MS450 (1.00x4.50) (H)	80.50 - 80.90	1.0000	1.0000
L17	71	(Area) Sabre MS450 (1.00x4.50) (H)	80.50 - 80.90	1.0000	1.0000
L17	74	(Area) Sabre MS400 (0.75x4.00) (H)	80.50 - 80.90	1.0000	1.0000
L17	75	(Area) Sabre MS400 (0.75x4.00) (H)	80.50 - 80.90	1.0000	1.0000
L17	77	(Area) Sabre MS400 (0.75x4.00) (H)	80.50 - 80.90	1.0000	1.0000
L18	1	Safety Line 3/8	80.25 - 80.50	1.0000	1.0000
L18	35	PL 0.75x3.75	80.40 - 80.50	1.0000	1.0000
L18	36	PL 0.75x3.75	80.40 - 80.50	1.0000	1.0000
L18	37	PL 0.75x3.75	80.40 - 80.50	1.0000	1.0000
L18	69	(Area) Sabre MS450 (1.00x4.50) (H)	80.25 - 80.50	1.0000	1.0000
L18	70	(Area) Sabre MS450 (1.00x4.50) (H)	80.25 - 80.50	1.0000	1.0000
L18	71	(Area) Sabre MS450 (1.00x4.50) (H)	80.25 - 80.50	1.0000	1.0000
L18	74	(Area) Sabre MS400 (0.75x4.00) (H)	80.25 - 80.50	1.0000	1.0000
L18	75	(Area) Sabre MS400 (0.75x4.00) (H)	80.25 - 80.50	1.0000	1.0000
L18	77	(Area) Sabre MS400 (0.75x4.00) (H)	80.25 - 80.50	1.0000	1.0000
L19	1	Safety Line 3/8	80.00 - 80.25	1.0000	1.0000
L19	69	(Area) Sabre MS450 (1.00x4.50) (H)	80.00 - 80.25	1.0000	1.0000
L19	70	(Area) Sabre MS450 (1.00x4.50) (H)	80.00 - 80.25	1.0000	1.0000
L19	71	(Area) Sabre MS450	80.00 - 80.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		(1.00x4.50) (H)			
L20	1	Safety Line 3/8	79.75 - 80.00	1.0000	1.0000
L20	3	Ladder Rail - L4x4x5/16	79.75 - 80.00	1.0000	1.0000
L20	65	(Area) Sabre MS450 (1.00x4.50) (H)	79.75 - 80.00	1.0000	1.0000
L20	66	(Area) Sabre MS450 (1.00x4.50) (H)	79.75 - 80.00	1.0000	1.0000
L20	67	(Area) Sabre MS450 (1.00x4.50) (H)	79.75 - 80.00	1.0000	1.0000
L21	1	Safety Line 3/8	79.00 - 79.75	1.0000	1.0000
L21	3	Ladder Rail - L4x4x5/16	79.00 - 79.75	1.0000	1.0000
L21	65	(Area) Sabre MS450 (1.00x4.50) (H)	79.00 - 79.75	1.0000	1.0000
L21	66	(Area) Sabre MS450 (1.00x4.50) (H)	79.00 - 79.75	1.0000	1.0000
L21	67	(Area) Sabre MS450 (1.00x4.50) (H)	79.00 - 79.75	1.0000	1.0000
L22	1	Safety Line 3/8	78.75 - 79.00	1.0000	1.0000
L22	3	Ladder Rail - L4x4x5/16	78.75 - 79.00	1.0000	1.0000
L22	65	(Area) Sabre MS450 (1.00x4.50) (H)	78.75 - 79.00	1.0000	1.0000
L22	66	(Area) Sabre MS450 (1.00x4.50) (H)	78.75 - 79.00	1.0000	1.0000
L22	67	(Area) Sabre MS450 (1.00x4.50) (H)	78.75 - 79.00	1.0000	1.0000
L23	1	Safety Line 3/8	73.75 - 78.75	1.0000	1.0000
L23	3	Ladder Rail - L4x4x5/16	73.75 - 78.75	1.0000	1.0000
L23	65	(Area) Sabre MS450 (1.00x4.50) (H)	76.50 - 78.75	1.0000	1.0000
L23	66	(Area) Sabre MS450 (1.00x4.50) (H)	76.50 - 78.75	1.0000	1.0000
L23	67	(Area) Sabre MS450 (1.00x4.50) (H)	76.50 - 78.75	1.0000	1.0000
L24	1	Safety Line 3/8	68.75 - 73.75	1.0000	1.0000
L24	3	Ladder Rail - L4x4x5/16	68.75 - 73.75	1.0000	1.0000
L25	1	Safety Line 3/8	65.50 - 68.75	1.0000	1.0000
L25	3	Ladder Rail - L4x4x5/16	65.50 - 68.75	1.0000	1.0000
L25	60	(Area) CCI-65FP-040075 (H)	65.50 - 66.50	1.0000	1.0000
L25	62	(Area) CCI-65FP-040075 (H)	65.50 - 66.50	1.0000	1.0000
L25	63	(Area) CCI-65FP-040075 (H)	65.50 - 66.50	1.0000	1.0000
L26	1	Safety Line 3/8	65.25 - 65.50	1.0000	1.0000
L26	3	Ladder Rail - L4x4x5/16	65.25 - 65.50	1.0000	1.0000
L26	60	(Area) CCI-65FP-040075 (H)	65.25 - 65.50	1.0000	1.0000
L26	62	(Area) CCI-65FP-040075 (H)	65.25 - 65.50	1.0000	1.0000
L26	63	(Area) CCI-65FP-040075 (H)	65.25 - 65.50	1.0000	1.0000
L27	1	Safety Line 3/8	60.25 - 65.25	1.0000	1.0000
L27	3	Ladder Rail - L4x4x5/16	60.25 - 65.25	1.0000	1.0000
L27	60	(Area) CCI-65FP-040075 (H)	60.25 - 65.25	1.0000	1.0000
L27	62	(Area) CCI-65FP-040075 (H)	60.25 - 65.25	1.0000	1.0000
L27	63	(Area) CCI-65FP-040075 (H)	60.25 - 65.25	1.0000	1.0000
L28	1	Safety Line 3/8	58.40 - 60.25	1.0000	1.0000
L28	3	Ladder Rail - L4x4x5/16	58.40 - 60.25	1.0000	1.0000
L28	31	PL 1x4.875	58.40 - 59.90	1.0000	1.0000
L28	32	PL 1x4.875	58.40 - 59.90	1.0000	1.0000
L28	33	PL 1x4.875	58.40 - 59.90	1.0000	1.0000
L28	60	(Area) CCI-65FP-040075 (H)	58.40 - 60.25	1.0000	1.0000
L28	62	(Area) CCI-65FP-040075 (H)	58.40 - 60.25	1.0000	1.0000
L28	63	(Area) CCI-65FP-040075 (H)	58.40 - 60.25	1.0000	1.0000
L29	1	Safety Line 3/8	58.15 - 58.40	1.0000	1.0000
L29	3	Ladder Rail - L4x4x5/16	58.15 - 58.40	1.0000	1.0000
L29	31	PL 1x4.875	58.15 - 58.40	1.0000	1.0000
L29	32	PL 1x4.875	58.15 - 58.40	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L29	33	PL 1x4.875	58.15 - 58.40	1.0000	1.0000
L29	60	(Area) CCI-65FP-040075 (H)	58.15 - 58.40	1.0000	1.0000
L29	62	(Area) CCI-65FP-040075 (H)	58.15 - 58.40	1.0000	1.0000
L29	63	(Area) CCI-65FP-040075 (H)	58.15 - 58.40	1.0000	1.0000
L30	1	Safety Line 3/8	57.50 - 58.15	1.0000	1.0000
L30	3	Ladder Rail - L4x4x5/16	57.50 - 58.15	1.0000	1.0000
L30	31	PL 1x4.875	57.50 - 58.15	1.0000	1.0000
L30	32	PL 1x4.875	57.50 - 58.15	1.0000	1.0000
L30	33	PL 1x4.875	57.50 - 58.15	1.0000	1.0000
L30	60	(Area) CCI-65FP-040075 (H)	57.50 - 58.15	1.0000	1.0000
L30	62	(Area) CCI-65FP-040075 (H)	57.50 - 58.15	1.0000	1.0000
L30	63	(Area) CCI-65FP-040075 (H)	57.50 - 58.15	1.0000	1.0000
L31	1	Safety Line 3/8	57.25 - 57.50	1.0000	1.0000
L31	3	Ladder Rail - L4x4x5/16	57.25 - 57.50	1.0000	1.0000
L31	31	PL 1x4.875	57.25 - 57.50	1.0000	1.0000
L31	32	PL 1x4.875	57.25 - 57.50	1.0000	1.0000
L31	33	PL 1x4.875	57.25 - 57.50	1.0000	1.0000
L31	60	(Area) CCI-65FP-040075 (H)	57.25 - 57.50	1.0000	1.0000
L31	62	(Area) CCI-65FP-040075 (H)	57.25 - 57.50	1.0000	1.0000
L31	63	(Area) CCI-65FP-040075 (H)	57.25 - 57.50	1.0000	1.0000
L32	1	Safety Line 3/8	52.25 - 57.25	1.0000	1.0000
L32	3	Ladder Rail - L4x4x5/16	52.25 - 57.25	1.0000	1.0000
L32	31	PL 1x4.875	52.25 - 57.25	1.0000	1.0000
L32	32	PL 1x4.875	52.25 - 57.25	1.0000	1.0000
L32	33	PL 1x4.875	52.25 - 57.25	1.0000	1.0000
L32	60	(Area) CCI-65FP-040075 (H)	56.50 - 57.25	1.0000	1.0000
L32	62	(Area) CCI-65FP-040075 (H)	56.50 - 57.25	1.0000	1.0000
L32	63	(Area) CCI-65FP-040075 (H)	56.50 - 57.25	1.0000	1.0000
L33	1	Safety Line 3/8	49.50 - 52.25	1.0000	1.0000
L33	3	Ladder Rail - L4x4x5/16	49.50 - 52.25	1.0000	1.0000
L33	31	PL 1x4.875	49.50 - 52.25	1.0000	1.0000
L33	32	PL 1x4.875	49.50 - 52.25	1.0000	1.0000
L33	33	PL 1x4.875	49.50 - 52.25	1.0000	1.0000
L33	54	(Area) Sabre MS400 (0.75x4.00) (H)	49.50 - 50.50	1.0000	1.0000
L33	55	(Area) Sabre MS400 (0.75x4.00) (H)	49.50 - 50.50	1.0000	1.0000
L33	57	(Area) Sabre MS400 (0.75x4.00) (H)	49.50 - 50.50	1.0000	1.0000
L34	1	Safety Line 3/8	49.25 - 49.50	1.0000	1.0000
L34	3	Ladder Rail - L4x4x5/16	49.25 - 49.50	1.0000	1.0000
L34	31	PL 1x4.875	49.25 - 49.50	1.0000	1.0000
L34	32	PL 1x4.875	49.25 - 49.50	1.0000	1.0000
L34	33	PL 1x4.875	49.25 - 49.50	1.0000	1.0000
L34	54	(Area) Sabre MS400 (0.75x4.00) (H)	49.25 - 49.50	1.0000	1.0000
L34	55	(Area) Sabre MS400 (0.75x4.00) (H)	49.25 - 49.50	1.0000	1.0000
L34	57	(Area) Sabre MS400 (0.75x4.00) (H)	49.25 - 49.50	1.0000	1.0000
L35	1	Safety Line 3/8	44.25 - 49.25	1.0000	1.0000
L35	3	Ladder Rail - L4x4x5/16	44.25 - 49.25	1.0000	1.0000
L35	31	PL 1x4.875	44.25 - 49.25	1.0000	1.0000
L35	32	PL 1x4.875	44.25 - 49.25	1.0000	1.0000
L35	33	PL 1x4.875	44.25 - 49.25	1.0000	1.0000
L35	54	(Area) Sabre MS400 (0.75x4.00) (H)	44.25 - 49.25	1.0000	1.0000
L35	55	(Area) Sabre MS400 (0.75x4.00) (H)	44.25 - 49.25	1.0000	1.0000
L35	57	(Area) Sabre MS400 (0.75x4.00) (H)	44.25 - 49.25	1.0000	1.0000
L36	1	Safety Line 3/8	41.90 - 44.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L36	3	Ladder Rail - L4x4x5/16	41.90 - 44.25	1.0000	1.0000
L36	31	PL 1x4.875	41.90 - 44.25	1.0000	1.0000
L36	32	PL 1x4.875	41.90 - 44.25	1.0000	1.0000
L36	33	PL 1x4.875	41.90 - 44.25	1.0000	1.0000
L36	49	(Area) Sabre MS650 (1.25x6.50) (H)	41.90 - 44.25	1.0000	1.0000
L36	50	(Area) Sabre MS650 (1.25x6.50) (H)	41.90 - 44.25	1.0000	1.0000
L36	51	(Area) Sabre MS650 (1.25x6.50) (H)	41.90 - 44.25	1.0000	1.0000
L36	54	(Area) Sabre MS400 (0.75x4.00) (H)	41.90 - 44.25	1.0000	1.0000
L36	55	(Area) Sabre MS400 (0.75x4.00) (H)	41.90 - 44.25	1.0000	1.0000
L36	57	(Area) Sabre MS400 (0.75x4.00) (H)	41.90 - 44.25	1.0000	1.0000
L37	1	Safety Line 3/8	41.65 - 41.90	1.0000	1.0000
L37	3	Ladder Rail - L4x4x5/16	41.65 - 41.90	1.0000	1.0000
L37	31	PL 1x4.875	41.65 - 41.90	1.0000	1.0000
L37	32	PL 1x4.875	41.65 - 41.90	1.0000	1.0000
L37	33	PL 1x4.875	41.65 - 41.90	1.0000	1.0000
L37	49	(Area) Sabre MS650 (1.25x6.50) (H)	41.65 - 41.90	1.0000	1.0000
L37	50	(Area) Sabre MS650 (1.25x6.50) (H)	41.65 - 41.90	1.0000	1.0000
L37	51	(Area) Sabre MS650 (1.25x6.50) (H)	41.65 - 41.90	1.0000	1.0000
L37	54	(Area) Sabre MS400 (0.75x4.00) (H)	41.65 - 41.90	1.0000	1.0000
L37	55	(Area) Sabre MS400 (0.75x4.00) (H)	41.65 - 41.90	1.0000	1.0000
L37	57	(Area) Sabre MS400 (0.75x4.00) (H)	41.65 - 41.90	1.0000	1.0000
L38	1	Safety Line 3/8	40.75 - 41.65	1.0000	1.0000
L38	3	Ladder Rail - L4x4x5/16	40.75 - 41.65	1.0000	1.0000
L38	31	PL 1x4.875	40.75 - 41.65	1.0000	1.0000
L38	32	PL 1x4.875	40.75 - 41.65	1.0000	1.0000
L38	33	PL 1x4.875	40.75 - 41.65	1.0000	1.0000
L38	49	(Area) Sabre MS650 (1.25x6.50) (H)	40.75 - 41.65	1.0000	1.0000
L38	50	(Area) Sabre MS650 (1.25x6.50) (H)	40.75 - 41.65	1.0000	1.0000
L38	51	(Area) Sabre MS650 (1.25x6.50) (H)	40.75 - 41.65	1.0000	1.0000
L38	54	(Area) Sabre MS400 (0.75x4.00) (H)	40.75 - 41.65	1.0000	1.0000
L38	55	(Area) Sabre MS400 (0.75x4.00) (H)	40.75 - 41.65	1.0000	1.0000
L38	57	(Area) Sabre MS400 (0.75x4.00) (H)	40.75 - 41.65	1.0000	1.0000
L39	1	Safety Line 3/8	40.50 - 40.75	1.0000	1.0000
L39	3	Ladder Rail - L4x4x5/16	40.50 - 40.75	1.0000	1.0000
L39	31	PL 1x4.875	40.50 - 40.75	1.0000	1.0000
L39	32	PL 1x4.875	40.50 - 40.75	1.0000	1.0000
L39	33	PL 1x4.875	40.50 - 40.75	1.0000	1.0000
L39	49	(Area) Sabre MS650 (1.25x6.50) (H)	40.50 - 40.75	1.0000	1.0000
L39	50	(Area) Sabre MS650 (1.25x6.50) (H)	40.50 - 40.75	1.0000	1.0000
L39	51	(Area) Sabre MS650 (1.25x6.50) (H)	40.50 - 40.75	1.0000	1.0000
L39	54	(Area) Sabre MS400	40.50 - 40.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		(0.75x4.00) (H)			
L39	55	(Area) Sabre MS400 (0.75x4.00) (H)	40.50 - 40.75	1.0000	1.0000
L39	57	(Area) Sabre MS400 (0.75x4.00) (H)	40.50 - 40.75	1.0000	1.0000
L40	1	Safety Line 3/8	40.00 - 40.50	1.0000	1.0000
L40	3	Ladder Rail - L4x4x5/16	40.00 - 40.50	1.0000	1.0000
L40	31	PL 1x4.875	40.40 - 40.50	1.0000	1.0000
L40	32	PL 1x4.875	40.40 - 40.50	1.0000	1.0000
L40	33	PL 1x4.875	40.40 - 40.50	1.0000	1.0000
L40	49	(Area) Sabre MS650 (1.25x6.50) (H)	40.00 - 40.50	1.0000	1.0000
L40	50	(Area) Sabre MS650 (1.25x6.50) (H)	40.00 - 40.50	1.0000	1.0000
L40	51	(Area) Sabre MS650 (1.25x6.50) (H)	40.00 - 40.50	1.0000	1.0000
L41	1	Safety Line 3/8	39.75 - 40.00	1.0000	1.0000
L41	3	Ladder Rail - L4x4x5/16	39.75 - 40.00	1.0000	1.0000
L41	45	(Area) Sabre MS650 (1.25x6.50) (H)	39.75 - 40.00	1.0000	1.0000
L41	46	(Area) Sabre MS650 (1.25x6.50) (H)	39.75 - 40.00	1.0000	1.0000
L41	47	(Area) Sabre MS650 (1.25x6.50) (H)	39.75 - 40.00	1.0000	1.0000
L42	1	Safety Line 3/8	39.25 - 39.75	1.0000	1.0000
L42	3	Ladder Rail - L4x4x5/16	39.25 - 39.75	1.0000	1.0000
L42	45	(Area) Sabre MS650 (1.25x6.50) (H)	39.25 - 39.75	1.0000	1.0000
L42	46	(Area) Sabre MS650 (1.25x6.50) (H)	39.25 - 39.75	1.0000	1.0000
L42	47	(Area) Sabre MS650 (1.25x6.50) (H)	39.25 - 39.75	1.0000	1.0000
L43	1	Safety Line 3/8	39.00 - 39.25	1.0000	1.0000
L43	3	Ladder Rail - L4x4x5/16	39.00 - 39.25	1.0000	1.0000
L43	45	(Area) Sabre MS650 (1.25x6.50) (H)	39.00 - 39.25	1.0000	1.0000
L43	46	(Area) Sabre MS650 (1.25x6.50) (H)	39.00 - 39.25	1.0000	1.0000
L43	47	(Area) Sabre MS650 (1.25x6.50) (H)	39.00 - 39.25	1.0000	1.0000
L44	1	Safety Line 3/8	34.00 - 39.00	1.0000	1.0000
L44	3	Ladder Rail - L4x4x5/16	34.00 - 39.00	1.0000	1.0000
L44	45	(Area) Sabre MS650 (1.25x6.50) (H)	35.75 - 39.00	1.0000	1.0000
L44	46	(Area) Sabre MS650 (1.25x6.50) (H)	35.75 - 39.00	1.0000	1.0000
L44	47	(Area) Sabre MS650 (1.25x6.50) (H)	35.75 - 39.00	1.0000	1.0000
L45	1	Safety Line 3/8	29.00 - 34.00	1.0000	1.0000
L45	3	Ladder Rail - L4x4x5/16	29.00 - 34.00	1.0000	1.0000
L46	1	Safety Line 3/8	24.00 - 29.00	1.0000	1.0000
L46	3	Ladder Rail - L4x4x5/16	24.00 - 29.00	1.0000	1.0000
L47	1	Safety Line 3/8	19.50 - 24.00	1.0000	1.0000
L47	3	Ladder Rail - L4x4x5/16	19.50 - 24.00	1.0000	1.0000
L47	39	(Area) CCI-65FP-040075 (H)	19.50 - 20.50	1.0000	1.0000
L47	41	(Area) CCI-65FP-040075 (H)	19.50 - 20.50	1.0000	1.0000
L47	43	(Area) CCI-65FP-040075 (H)	19.50 - 20.50	1.0000	1.0000
L48	1	Safety Line 3/8	19.25 - 19.50	1.0000	1.0000
L48	3	Ladder Rail - L4x4x5/16	19.25 - 19.50	1.0000	1.0000
L48	39	(Area) CCI-65FP-040075 (H)	19.25 - 19.50	1.0000	1.0000
L48	41	(Area) CCI-65FP-040075 (H)	19.25 - 19.50	1.0000	1.0000
L48	43	(Area) CCI-65FP-040075 (H)	19.25 - 19.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L49	1	Safety Line 3/8	14.25 - 19.25	1.0000	1.0000
L49	3	Ladder Rail - L4x4x5/16	14.25 - 19.25	1.0000	1.0000
L49	39	(Area) CCI-65FP-040075 (H)	14.25 - 19.25	1.0000	1.0000
L49	41	(Area) CCI-65FP-040075 (H)	14.25 - 19.25	1.0000	1.0000
L49	43	(Area) CCI-65FP-040075 (H)	14.25 - 19.25	1.0000	1.0000
L50	1	Safety Line 3/8	13.00 - 14.25	1.0000	1.0000
L50	3	Ladder Rail - L4x4x5/16	13.00 - 14.25	1.0000	1.0000
L50	27	PL 1x4.625	13.00 - 14.25	1.0000	1.0000
L50	28	PL 1x4.625	13.00 - 14.25	1.0000	1.0000
L50	29	PL 1x4.625	13.00 - 14.25	1.0000	1.0000
L50	39	(Area) CCI-65FP-040075 (H)	13.00 - 14.25	1.0000	1.0000
L50	41	(Area) CCI-65FP-040075 (H)	13.00 - 14.25	1.0000	1.0000
L50	43	(Area) CCI-65FP-040075 (H)	13.00 - 14.25	1.0000	1.0000
L51	1	Safety Line 3/8	12.75 - 13.00	1.0000	1.0000
L51	3	Ladder Rail - L4x4x5/16	12.75 - 13.00	1.0000	1.0000
L51	27	PL 1x4.625	12.75 - 13.00	1.0000	1.0000
L51	28	PL 1x4.625	12.75 - 13.00	1.0000	1.0000
L51	29	PL 1x4.625	12.75 - 13.00	1.0000	1.0000
L51	39	(Area) CCI-65FP-040075 (H)	12.75 - 13.00	1.0000	1.0000
L51	41	(Area) CCI-65FP-040075 (H)	12.75 - 13.00	1.0000	1.0000
L51	43	(Area) CCI-65FP-040075 (H)	12.75 - 13.00	1.0000	1.0000
L52	1	Safety Line 3/8	7.75 - 12.75	1.0000	1.0000
L52	3	Ladder Rail - L4x4x5/16	7.75 - 12.75	1.0000	1.0000
L52	27	PL 1x4.625	7.75 - 12.75	1.0000	1.0000
L52	28	PL 1x4.625	7.75 - 12.75	1.0000	1.0000
L52	29	PL 1x4.625	7.75 - 12.75	1.0000	1.0000
L52	39	(Area) CCI-65FP-040075 (H)	7.75 - 12.75	1.0000	1.0000
L52	41	(Area) CCI-65FP-040075 (H)	7.75 - 12.75	1.0000	1.0000
L52	43	(Area) CCI-65FP-040075 (H)	7.75 - 12.75	1.0000	1.0000
L53	1	Safety Line 3/8	3.67 - 7.75	1.0000	1.0000
L53	3	Ladder Rail - L4x4x5/16	3.67 - 7.75	1.0000	1.0000
L53	27	PL 1x4.625	3.67 - 7.75	1.0000	1.0000
L53	28	PL 1x4.625	3.67 - 7.75	1.0000	1.0000
L53	29	PL 1x4.625	3.67 - 7.75	1.0000	1.0000
L53	39	(Area) CCI-65FP-040075 (H)	3.67 - 7.75	1.0000	1.0000
L53	41	(Area) CCI-65FP-040075 (H)	3.67 - 7.75	1.0000	1.0000
L53	43	(Area) CCI-65FP-040075 (H)	3.67 - 7.75	1.0000	1.0000
L54	1	Safety Line 3/8	3.42 - 3.67	1.0000	1.0000
L54	3	Ladder Rail - L4x4x5/16	3.42 - 3.67	1.0000	1.0000
L54	27	PL 1x4.625	3.42 - 3.67	1.0000	1.0000
L54	28	PL 1x4.625	3.42 - 3.67	1.0000	1.0000
L54	29	PL 1x4.625	3.42 - 3.67	1.0000	1.0000
L54	39	(Area) CCI-65FP-040075 (H)	3.42 - 3.67	1.0000	1.0000
L54	41	(Area) CCI-65FP-040075 (H)	3.42 - 3.67	1.0000	1.0000
L54	43	(Area) CCI-65FP-040075 (H)	3.42 - 3.67	1.0000	1.0000
L55	1	Safety Line 3/8	1.50 - 3.42	1.0000	1.0000
L55	3	Ladder Rail - L4x4x5/16	1.50 - 3.42	1.0000	1.0000
L55	27	PL 1x4.625	1.50 - 3.42	1.0000	1.0000
L55	28	PL 1x4.625	1.50 - 3.42	1.0000	1.0000
L55	29	PL 1x4.625	1.50 - 3.42	1.0000	1.0000
L55	39	(Area) CCI-65FP-040075 (H)	1.50 - 3.42	1.0000	1.0000
L55	41	(Area) CCI-65FP-040075 (H)	1.50 - 3.42	1.0000	1.0000
L55	43	(Area) CCI-65FP-040075 (H)	1.50 - 3.42	1.0000	1.0000
L56	1	Safety Line 3/8	1.25 - 1.50	1.0000	1.0000
L56	3	Ladder Rail - L4x4x5/16	1.25 - 1.50	1.0000	1.0000
L56	27	PL 1x4.625	1.25 - 1.50	1.0000	1.0000
L56	28	PL 1x4.625	1.25 - 1.50	1.0000	1.0000
L56	29	PL 1x4.625	1.25 - 1.50	1.0000	1.0000
L56	39	(Area) CCI-65FP-040075 (H)	1.25 - 1.50	1.0000	1.0000
L56	41	(Area) CCI-65FP-040075 (H)	1.25 - 1.50	1.0000	1.0000
L56	43	(Area) CCI-65FP-040075 (H)	1.25 - 1.50	1.0000	1.0000
L57	1	Safety Line 3/8	0.50 - 1.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L57	3	Ladder Rail - L4x4x5/16	0.50 - 1.25	1.0000	1.0000
L57	27	PL 1x4.625	0.50 - 1.25	1.0000	1.0000
L57	28	PL 1x4.625	0.50 - 1.25	1.0000	1.0000
L57	29	PL 1x4.625	0.50 - 1.25	1.0000	1.0000
L57	39	(Area) CCI-65FP-040075 (H)	0.50 - 1.25	1.0000	1.0000
L57	41	(Area) CCI-65FP-040075 (H)	0.50 - 1.25	1.0000	1.0000
L57	43	(Area) CCI-65FP-040075 (H)	0.50 - 1.25	1.0000	1.0000
L58	1	Safety Line 3/8	0.25 - 0.50	1.0000	1.0000
L58	3	Ladder Rail - L4x4x5/16	0.25 - 0.50	1.0000	1.0000
L58	27	PL 1x4.625	0.25 - 0.50	1.0000	1.0000
L58	28	PL 1x4.625	0.25 - 0.50	1.0000	1.0000
L58	29	PL 1x4.625	0.25 - 0.50	1.0000	1.0000
L58	39	(Area) CCI-65FP-040075 (H)	0.25 - 0.50	1.0000	1.0000
L58	41	(Area) CCI-65FP-040075 (H)	0.25 - 0.50	1.0000	1.0000
L58	43	(Area) CCI-65FP-040075 (H)	0.25 - 0.50	1.0000	1.0000
L59	1	Safety Line 3/8	0.00 - 0.25	1.0000	1.0000
L59	3	Ladder Rail - L4x4x5/16	0.00 - 0.25	1.0000	1.0000
L59	27	PL 1x4.625	0.00 - 0.25	1.0000	1.0000
L59	28	PL 1x4.625	0.00 - 0.25	1.0000	1.0000
L59	29	PL 1x4.625	0.00 - 0.25	1.0000	1.0000
L59	39	(Area) CCI-65FP-040075 (H)	0.00 - 0.25	1.0000	1.0000
L59	41	(Area) CCI-65FP-040075 (H)	0.00 - 0.25	1.0000	1.0000
L59	43	(Area) CCI-65FP-040075 (H)	0.00 - 0.25	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L10	74	(Area) Sabre MS400 (0.75x4.00) (H)	90.00 - 90.25	Auto	1.0000
L10	75	(Area) Sabre MS400 (0.75x4.00) (H)	90.00 - 90.25	Auto	1.0000
L10	77	(Area) Sabre MS400 (0.75x4.00) (H)	90.00 - 90.25	Auto	1.0000
L11	74	(Area) Sabre MS400 (0.75x4.00) (H)	89.25 - 90.00	Auto	1.0000
L11	75	(Area) Sabre MS400 (0.75x4.00) (H)	89.25 - 90.00	Auto	1.0000
L11	77	(Area) Sabre MS400 (0.75x4.00) (H)	89.25 - 90.00	Auto	1.0000
L12	74	(Area) Sabre MS400 (0.75x4.00) (H)	89.00 - 89.25	Auto	1.0000
L12	75	(Area) Sabre MS400 (0.75x4.00) (H)	89.00 - 89.25	Auto	1.0000
L12	77	(Area) Sabre MS400 (0.75x4.00) (H)	89.00 - 89.25	Auto	1.0000
L13	35	PL 0.75x3.75	85.66 - 86.66	Auto	1.0000
L13	36	PL 0.75x3.75	85.66 - 86.66	Auto	1.0000
L13	37	PL 0.75x3.75	85.66 - 86.66	Auto	1.0000
L13	74	(Area) Sabre MS400 (0.75x4.00) (H)	85.66 - 89.00	Auto	1.0000
L13	75	(Area) Sabre MS400 (0.75x4.00) (H)	85.66 - 89.00	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L13	77	(Area) Sabre MS400 (0.75x4.00) (H)	85.66 - 89.00	Auto	1.0000
L14	35	PL 0.75x3.75	85.41 - 85.66	Auto	1.0000
L14	36	PL 0.75x3.75	85.41 - 85.66	Auto	1.0000
L14	37	PL 0.75x3.75	85.41 - 85.66	Auto	1.0000
L14	74	(Area) Sabre MS400 (0.75x4.00) (H)	85.41 - 85.66	Auto	1.0000
L14	75	(Area) Sabre MS400 (0.75x4.00) (H)	85.41 - 85.66	Auto	1.0000
L14	77	(Area) Sabre MS400 (0.75x4.00) (H)	85.41 - 85.66	Auto	1.0000
L15	35	PL 0.75x3.75	81.15 - 85.41	Auto	1.0000
L15	36	PL 0.75x3.75	81.15 - 85.41	Auto	1.0000
L15	37	PL 0.75x3.75	81.15 - 85.41	Auto	1.0000
L15	69	(Area) Sabre MS450 (1.00x4.50) (H)	81.15 - 83.00	Auto	1.0000
L15	70	(Area) Sabre MS450 (1.00x4.50) (H)	81.15 - 83.00	Auto	1.0000
L15	71	(Area) Sabre MS450 (1.00x4.50) (H)	81.15 - 83.00	Auto	1.0000
L15	74	(Area) Sabre MS400 (0.75x4.00) (H)	81.15 - 85.41	Auto	1.0000
L15	75	(Area) Sabre MS400 (0.75x4.00) (H)	81.15 - 85.41	Auto	1.0000
L15	77	(Area) Sabre MS400 (0.75x4.00) (H)	81.15 - 85.41	Auto	1.0000
L16	35	PL 0.75x3.75	80.90 - 81.15	Auto	1.0000
L16	36	PL 0.75x3.75	80.90 - 81.15	Auto	1.0000
L16	37	PL 0.75x3.75	80.90 - 81.15	Auto	1.0000
L16	69	(Area) Sabre MS450 (1.00x4.50) (H)	80.90 - 81.15	Auto	1.0000
L16	70	(Area) Sabre MS450 (1.00x4.50) (H)	80.90 - 81.15	Auto	1.0000
L16	71	(Area) Sabre MS450 (1.00x4.50) (H)	80.90 - 81.15	Auto	1.0000
L16	74	(Area) Sabre MS400 (0.75x4.00) (H)	80.90 - 81.15	Auto	1.0000
L16	75	(Area) Sabre MS400 (0.75x4.00) (H)	80.90 - 81.15	Auto	1.0000
L16	77	(Area) Sabre MS400 (0.75x4.00) (H)	80.90 - 81.15	Auto	1.0000
L17	35	PL 0.75x3.75	80.50 - 80.90	Auto	1.0000
L17	36	PL 0.75x3.75	80.50 - 80.90	Auto	1.0000
L17	37	PL 0.75x3.75	80.50 - 80.90	Auto	1.0000
L17	69	(Area) Sabre MS450 (1.00x4.50) (H)	80.50 - 80.90	Auto	1.0000
L17	70	(Area) Sabre MS450 (1.00x4.50) (H)	80.50 - 80.90	Auto	1.0000
L17	71	(Area) Sabre MS450 (1.00x4.50) (H)	80.50 - 80.90	Auto	1.0000
L17	74	(Area) Sabre MS400 (0.75x4.00) (H)	80.50 - 80.90	Auto	1.0000
L17	75	(Area) Sabre MS400 (0.75x4.00) (H)	80.50 - 80.90	Auto	1.0000
L17	77	(Area) Sabre MS400 (0.75x4.00) (H)	80.50 - 80.90	Auto	1.0000
L18	35	PL 0.75x3.75	80.40 - 80.50	Auto	1.0000
L18	36	PL 0.75x3.75	80.40 - 80.50	Auto	1.0000
L18	37	PL 0.75x3.75	80.40 - 80.50	Auto	1.0000
L18	69	(Area) Sabre MS450 (1.00x4.50) (H)	80.25 - 80.50	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L18	70	(Area) Sabre MS450 (1.00x4.50) (H)	80.25 - 80.50	Auto	1.0000
L18	71	(Area) Sabre MS450 (1.00x4.50) (H)	80.25 - 80.50	Auto	1.0000
L18	74	(Area) Sabre MS400 (0.75x4.00) (H)	80.25 - 80.50	Auto	1.0000
L18	75	(Area) Sabre MS400 (0.75x4.00) (H)	80.25 - 80.50	Auto	1.0000
L18	77	(Area) Sabre MS400 (0.75x4.00) (H)	80.25 - 80.50	Auto	1.0000
L19	69	(Area) Sabre MS450 (1.00x4.50) (H)	80.00 - 80.25	Auto	1.0000
L19	70	(Area) Sabre MS450 (1.00x4.50) (H)	80.00 - 80.25	Auto	1.0000
L19	71	(Area) Sabre MS450 (1.00x4.50) (H)	80.00 - 80.25	Auto	1.0000
L20	65	(Area) Sabre MS450 (1.00x4.50) (H)	79.75 - 80.00	Auto	1.0000
L20	66	(Area) Sabre MS450 (1.00x4.50) (H)	79.75 - 80.00	Auto	1.0000
L20	67	(Area) Sabre MS450 (1.00x4.50) (H)	79.75 - 80.00	Auto	1.0000
L21	65	(Area) Sabre MS450 (1.00x4.50) (H)	79.00 - 79.75	Auto	1.0000
L21	66	(Area) Sabre MS450 (1.00x4.50) (H)	79.00 - 79.75	Auto	1.0000
L21	67	(Area) Sabre MS450 (1.00x4.50) (H)	79.00 - 79.75	Auto	1.0000
L22	65	(Area) Sabre MS450 (1.00x4.50) (H)	78.75 - 79.00	Auto	1.0000
L22	66	(Area) Sabre MS450 (1.00x4.50) (H)	78.75 - 79.00	Auto	1.0000
L22	67	(Area) Sabre MS450 (1.00x4.50) (H)	78.75 - 79.00	Auto	1.0000
L23	65	(Area) Sabre MS450 (1.00x4.50) (H)	76.50 - 78.75	Auto	1.0000
L23	66	(Area) Sabre MS450 (1.00x4.50) (H)	76.50 - 78.75	Auto	1.0000
L23	67	(Area) Sabre MS450 (1.00x4.50) (H)	76.50 - 78.75	Auto	1.0000
L25	60	(Area) CCI-65FP-040075 (H)	65.50 - 66.50	Auto	1.0000
L25	62	(Area) CCI-65FP-040075 (H)	65.50 - 66.50	Auto	1.0000
L25	63	(Area) CCI-65FP-040075 (H)	65.50 - 66.50	Auto	1.0000
L26	60	(Area) CCI-65FP-040075 (H)	65.25 - 65.50	Auto	1.0000
L26	62	(Area) CCI-65FP-040075 (H)	65.25 - 65.50	Auto	1.0000
L26	63	(Area) CCI-65FP-040075 (H)	65.25 - 65.50	Auto	1.0000
L27	60	(Area) CCI-65FP-040075 (H)	60.25 - 65.25	Auto	1.0000
L27	62	(Area) CCI-65FP-040075 (H)	60.25 - 65.25	Auto	1.0000
L27	63	(Area) CCI-65FP-040075 (H)	60.25 - 65.25	Auto	1.0000
L28	31	PL 1x4.875	58.40 - 59.90	Auto	1.0000
L28	32	PL 1x4.875	58.40 - 59.90	Auto	1.0000
L28	33	PL 1x4.875	58.40 - 59.90	Auto	1.0000
L28	60	(Area) CCI-65FP-040075 (H)	58.40 - 60.25	Auto	1.0000
L28	62	(Area) CCI-65FP-040075 (H)	58.40 - 60.25	Auto	1.0000
L28	63	(Area) CCI-65FP-040075 (H)	58.40 - 60.25	Auto	1.0000
L29	31	PL 1x4.875	58.15 - 58.40	Auto	1.0000
L29	32	PL 1x4.875	58.15 - 58.40	Auto	1.0000
L29	33	PL 1x4.875	58.15 - 58.40	Auto	1.0000
L29	60	(Area) CCI-65FP-040075 (H)	58.15 - 58.40	Auto	1.0000
L29	62	(Area) CCI-65FP-040075 (H)	58.15 - 58.40	Auto	1.0000
L29	63	(Area) CCI-65FP-040075 (H)	58.15 - 58.40	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L30	31	PL 1x4.875	57.50 - 58.15	Auto	1.0000
L30	32	PL 1x4.875	57.50 - 58.15	Auto	1.0000
L30	33	PL 1x4.875	57.50 - 58.15	Auto	1.0000
L30	60	(Area) CCI-65FP-040075 (H)	57.50 - 58.15	Auto	1.0000
L30	62	(Area) CCI-65FP-040075 (H)	57.50 - 58.15	Auto	1.0000
L30	63	(Area) CCI-65FP-040075 (H)	57.50 - 58.15	Auto	1.0000
L31	31	PL 1x4.875	57.25 - 57.50	Auto	1.0000
L31	32	PL 1x4.875	57.25 - 57.50	Auto	1.0000
L31	33	PL 1x4.875	57.25 - 57.50	Auto	1.0000
L31	60	(Area) CCI-65FP-040075 (H)	57.25 - 57.50	Auto	1.0000
L31	62	(Area) CCI-65FP-040075 (H)	57.25 - 57.50	Auto	1.0000
L31	63	(Area) CCI-65FP-040075 (H)	57.25 - 57.50	Auto	1.0000
L32	31	PL 1x4.875	52.25 - 57.25	Auto	1.0000
L32	32	PL 1x4.875	52.25 - 57.25	Auto	1.0000
L32	33	PL 1x4.875	52.25 - 57.25	Auto	1.0000
L32	60	(Area) CCI-65FP-040075 (H)	56.50 - 57.25	Auto	1.0000
L32	62	(Area) CCI-65FP-040075 (H)	56.50 - 57.25	Auto	1.0000
L32	63	(Area) CCI-65FP-040075 (H)	56.50 - 57.25	Auto	1.0000
L33	31	PL 1x4.875	49.50 - 52.25	Auto	1.0000
L33	32	PL 1x4.875	49.50 - 52.25	Auto	1.0000
L33	33	PL 1x4.875	49.50 - 52.25	Auto	1.0000
L33	54	(Area) Sabre MS400 (0.75x4.00) (H)	49.50 - 50.50	Auto	1.0000
L33	55	(Area) Sabre MS400 (0.75x4.00) (H)	49.50 - 50.50	Auto	1.0000
L33	57	(Area) Sabre MS400 (0.75x4.00) (H)	49.50 - 50.50	Auto	1.0000
L34	31	PL 1x4.875	49.25 - 49.50	Auto	1.0000
L34	32	PL 1x4.875	49.25 - 49.50	Auto	1.0000
L34	33	PL 1x4.875	49.25 - 49.50	Auto	1.0000
L34	54	(Area) Sabre MS400 (0.75x4.00) (H)	49.25 - 49.50	Auto	1.0000
L34	55	(Area) Sabre MS400 (0.75x4.00) (H)	49.25 - 49.50	Auto	1.0000
L34	57	(Area) Sabre MS400 (0.75x4.00) (H)	49.25 - 49.50	Auto	1.0000
L35	31	PL 1x4.875	44.25 - 49.25	Auto	1.0000
L35	32	PL 1x4.875	44.25 - 49.25	Auto	1.0000
L35	33	PL 1x4.875	44.25 - 49.25	Auto	1.0000
L35	54	(Area) Sabre MS400 (0.75x4.00) (H)	44.25 - 49.25	Auto	1.0000
L35	55	(Area) Sabre MS400 (0.75x4.00) (H)	44.25 - 49.25	Auto	1.0000
L35	57	(Area) Sabre MS400 (0.75x4.00) (H)	44.25 - 49.25	Auto	1.0000
L36	31	PL 1x4.875	41.90 - 44.25	Auto	1.0000
L36	32	PL 1x4.875	41.90 - 44.25	Auto	1.0000
L36	33	PL 1x4.875	41.90 - 44.25	Auto	1.0000
L36	49	(Area) Sabre MS650 (1.25x6.50) (H)	41.90 - 44.25	Auto	1.0000
L36	50	(Area) Sabre MS650 (1.25x6.50) (H)	41.90 - 44.25	Auto	1.0000
L36	51	(Area) Sabre MS650 (1.25x6.50) (H)	41.90 - 44.25	Auto	1.0000
L36	54	(Area) Sabre MS400 (0.75x4.00) (H)	41.90 - 44.25	Auto	1.0000
L36	55	(Area) Sabre MS400 (0.75x4.00) (H)	41.90 - 44.25	Auto	1.0000
L36	57	(Area) Sabre MS400 (0.75x4.00) (H)	41.90 - 44.25	Auto	1.0000
L37	31	PL 1x4.875	41.65 - 41.90	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L37	32	PL 1x4.875	41.65 - 41.90	Auto	1.0000
L37	33	PL 1x4.875	41.65 - 41.90	Auto	1.0000
L37	49	(Area) Sabre MS650 (1.25x6.50) (H)	41.65 - 41.90	Auto	1.0000
L37	50	(Area) Sabre MS650 (1.25x6.50) (H)	41.65 - 41.90	Auto	1.0000
L37	51	(Area) Sabre MS650 (1.25x6.50) (H)	41.65 - 41.90	Auto	1.0000
L37	54	(Area) Sabre MS400 (0.75x4.00) (H)	41.65 - 41.90	Auto	1.0000
L37	55	(Area) Sabre MS400 (0.75x4.00) (H)	41.65 - 41.90	Auto	1.0000
L37	57	(Area) Sabre MS400 (0.75x4.00) (H)	41.65 - 41.90	Auto	1.0000
L38	31	PL 1x4.875	40.75 - 41.65	Auto	1.0000
L38	32	PL 1x4.875	40.75 - 41.65	Auto	1.0000
L38	33	PL 1x4.875	40.75 - 41.65	Auto	1.0000
L38	49	(Area) Sabre MS650 (1.25x6.50) (H)	40.75 - 41.65	Auto	1.0000
L38	50	(Area) Sabre MS650 (1.25x6.50) (H)	40.75 - 41.65	Auto	1.0000
L38	51	(Area) Sabre MS650 (1.25x6.50) (H)	40.75 - 41.65	Auto	1.0000
L38	54	(Area) Sabre MS400 (0.75x4.00) (H)	40.75 - 41.65	Auto	1.0000
L38	55	(Area) Sabre MS400 (0.75x4.00) (H)	40.75 - 41.65	Auto	1.0000
L38	57	(Area) Sabre MS400 (0.75x4.00) (H)	40.75 - 41.65	Auto	1.0000
L39	31	PL 1x4.875	40.50 - 40.75	Auto	1.0000
L39	32	PL 1x4.875	40.50 - 40.75	Auto	1.0000
L39	33	PL 1x4.875	40.50 - 40.75	Auto	1.0000
L39	49	(Area) Sabre MS650 (1.25x6.50) (H)	40.50 - 40.75	Auto	1.0000
L39	50	(Area) Sabre MS650 (1.25x6.50) (H)	40.50 - 40.75	Auto	1.0000
L39	51	(Area) Sabre MS650 (1.25x6.50) (H)	40.50 - 40.75	Auto	1.0000
L39	54	(Area) Sabre MS400 (0.75x4.00) (H)	40.50 - 40.75	Auto	1.0000
L39	55	(Area) Sabre MS400 (0.75x4.00) (H)	40.50 - 40.75	Auto	1.0000
L39	57	(Area) Sabre MS400 (0.75x4.00) (H)	40.50 - 40.75	Auto	1.0000
L40	31	PL 1x4.875	40.40 - 40.50	Auto	1.0000
L40	32	PL 1x4.875	40.40 - 40.50	Auto	1.0000
L40	33	PL 1x4.875	40.40 - 40.50	Auto	1.0000
L40	49	(Area) Sabre MS650 (1.25x6.50) (H)	40.00 - 40.50	Auto	1.0000
L40	50	(Area) Sabre MS650 (1.25x6.50) (H)	40.00 - 40.50	Auto	1.0000
L40	51	(Area) Sabre MS650 (1.25x6.50) (H)	40.00 - 40.50	Auto	1.0000
L41	45	(Area) Sabre MS650 (1.25x6.50) (H)	39.75 - 40.00	Auto	1.0000
L41	46	(Area) Sabre MS650 (1.25x6.50) (H)	39.75 - 40.00	Auto	1.0000
L41	47	(Area) Sabre MS650 (1.25x6.50) (H)	39.75 - 40.00	Auto	1.0000
L42	45	(Area) Sabre MS650 (1.25x6.50) (H)	39.25 - 39.75	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L42	46	(Area) Sabre MS650 (1.25x6.50) (H)	39.25 - 39.75	Auto	1.0000
L42	47	(Area) Sabre MS650 (1.25x6.50) (H)	39.25 - 39.75	Auto	1.0000
L43	45	(Area) Sabre MS650 (1.25x6.50) (H)	39.00 - 39.25	Auto	1.0000
L43	46	(Area) Sabre MS650 (1.25x6.50) (H)	39.00 - 39.25	Auto	1.0000
L43	47	(Area) Sabre MS650 (1.25x6.50) (H)	39.00 - 39.25	Auto	1.0000
L44	45	(Area) Sabre MS650 (1.25x6.50) (H)	35.75 - 39.00	Auto	1.0000
L44	46	(Area) Sabre MS650 (1.25x6.50) (H)	35.75 - 39.00	Auto	1.0000
L44	47	(Area) Sabre MS650 (1.25x6.50) (H)	35.75 - 39.00	Auto	1.0000
L47	39	(Area) CCI-65FP-040075 (H)	19.50 - 20.50	Auto	1.0000
L47	41	(Area) CCI-65FP-040075 (H)	19.50 - 20.50	Auto	1.0000
L47	43	(Area) CCI-65FP-040075 (H)	19.50 - 20.50	Auto	1.0000
L48	39	(Area) CCI-65FP-040075 (H)	19.25 - 19.50	Auto	1.0000
L48	41	(Area) CCI-65FP-040075 (H)	19.25 - 19.50	Auto	1.0000
L48	43	(Area) CCI-65FP-040075 (H)	19.25 - 19.50	Auto	1.0000
L49	39	(Area) CCI-65FP-040075 (H)	14.25 - 19.25	Auto	1.0000
L49	41	(Area) CCI-65FP-040075 (H)	14.25 - 19.25	Auto	1.0000
L49	43	(Area) CCI-65FP-040075 (H)	14.25 - 19.25	Auto	1.0000
L50	27	PL 1x4.625	13.00 - 14.25	Auto	1.0000
L50	28	PL 1x4.625	13.00 - 14.25	Auto	1.0000
L50	29	PL 1x4.625	13.00 - 14.25	Auto	1.0000
L50	39	(Area) CCI-65FP-040075 (H)	13.00 - 14.25	Auto	1.0000
L50	41	(Area) CCI-65FP-040075 (H)	13.00 - 14.25	Auto	1.0000
L50	43	(Area) CCI-65FP-040075 (H)	13.00 - 14.25	Auto	1.0000
L51	27	PL 1x4.625	12.75 - 13.00	Auto	1.0000
L51	28	PL 1x4.625	12.75 - 13.00	Auto	1.0000
L51	29	PL 1x4.625	12.75 - 13.00	Auto	1.0000
L51	39	(Area) CCI-65FP-040075 (H)	12.75 - 13.00	Auto	1.0000
L51	41	(Area) CCI-65FP-040075 (H)	12.75 - 13.00	Auto	1.0000
L51	43	(Area) CCI-65FP-040075 (H)	12.75 - 13.00	Auto	1.0000
L52	27	PL 1x4.625	7.75 - 12.75	Auto	1.0000
L52	28	PL 1x4.625	7.75 - 12.75	Auto	1.0000
L52	29	PL 1x4.625	7.75 - 12.75	Auto	1.0000
L52	39	(Area) CCI-65FP-040075 (H)	7.75 - 12.75	Auto	1.0000
L52	41	(Area) CCI-65FP-040075 (H)	7.75 - 12.75	Auto	1.0000
L52	43	(Area) CCI-65FP-040075 (H)	7.75 - 12.75	Auto	1.0000
L53	27	PL 1x4.625	3.67 - 7.75	Auto	1.0000
L53	28	PL 1x4.625	3.67 - 7.75	Auto	1.0000
L53	29	PL 1x4.625	3.67 - 7.75	Auto	1.0000
L53	39	(Area) CCI-65FP-040075 (H)	3.67 - 7.75	Auto	1.0000
L53	41	(Area) CCI-65FP-040075 (H)	3.67 - 7.75	Auto	1.0000
L53	43	(Area) CCI-65FP-040075 (H)	3.67 - 7.75	Auto	1.0000
L54	27	PL 1x4.625	3.42 - 3.67	Auto	1.0000
L54	28	PL 1x4.625	3.42 - 3.67	Auto	1.0000
L54	29	PL 1x4.625	3.42 - 3.67	Auto	1.0000
L54	39	(Area) CCI-65FP-040075 (H)	3.42 - 3.67	Auto	1.0000
L54	41	(Area) CCI-65FP-040075 (H)	3.42 - 3.67	Auto	1.0000
L54	43	(Area) CCI-65FP-040075 (H)	3.42 - 3.67	Auto	1.0000
L55	27	PL 1x4.625	1.50 - 3.42	Auto	1.0000
L55	28	PL 1x4.625	1.50 - 3.42	Auto	1.0000
L55	29	PL 1x4.625	1.50 - 3.42	Auto	1.0000
L55	39	(Area) CCI-65FP-040075 (H)	1.50 - 3.42	Auto	1.0000
L55	41	(Area) CCI-65FP-040075 (H)	1.50 - 3.42	Auto	1.0000
L55	43	(Area) CCI-65FP-040075 (H)	1.50 - 3.42	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L56	27	PL 1x4.625	1.25 - 1.50	Auto	1.0000
L56	28	PL 1x4.625	1.25 - 1.50	Auto	1.0000
L56	29	PL 1x4.625	1.25 - 1.50	Auto	1.0000
L56	39	(Area) CCI-65FP-040075 (H)	1.25 - 1.50	Auto	1.0000
L56	41	(Area) CCI-65FP-040075 (H)	1.25 - 1.50	Auto	1.0000
L56	43	(Area) CCI-65FP-040075 (H)	1.25 - 1.50	Auto	1.0000
L57	27	PL 1x4.625	0.50 - 1.25	Auto	1.0000
L57	28	PL 1x4.625	0.50 - 1.25	Auto	1.0000
L57	29	PL 1x4.625	0.50 - 1.25	Auto	1.0000
L57	39	(Area) CCI-65FP-040075 (H)	0.50 - 1.25	Auto	1.0000
L57	41	(Area) CCI-65FP-040075 (H)	0.50 - 1.25	Auto	1.0000
L57	43	(Area) CCI-65FP-040075 (H)	0.50 - 1.25	Auto	1.0000
L58	27	PL 1x4.625	0.25 - 0.50	Auto	1.0000
L58	28	PL 1x4.625	0.25 - 0.50	Auto	1.0000
L58	29	PL 1x4.625	0.25 - 0.50	Auto	1.0000
L58	39	(Area) CCI-65FP-040075 (H)	0.25 - 0.50	Auto	1.0000
L58	41	(Area) CCI-65FP-040075 (H)	0.25 - 0.50	Auto	1.0000
L58	43	(Area) CCI-65FP-040075 (H)	0.25 - 0.50	Auto	1.0000
L59	27	PL 1x4.625	0.00 - 0.25	Auto	1.0000
L59	28	PL 1x4.625	0.00 - 0.25	Auto	1.0000
L59	29	PL 1x4.625	0.00 - 0.25	Auto	1.0000
L59	39	(Area) CCI-65FP-040075 (H)	0.00 - 0.25	Auto	1.0000
L59	41	(Area) CCI-65FP-040075 (H)	0.00 - 0.25	Auto	1.0000
L59	43	(Area) CCI-65FP-040075 (H)	0.00 - 0.25	Auto	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
124									
LLPX310R-V4 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.88 4.29 4.72 5.61	2.36 2.73 3.12 3.94	0.06 0.09 0.13 0.24
LLPX310R-V4 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.88 4.29 4.72 5.61	2.36 2.73 3.12 3.94	0.06 0.09 0.13 0.24
LLPX310R-V4 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.88 4.29 4.72 5.61	2.36 2.73 3.12 3.94	0.06 0.09 0.13 0.24
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45

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	17.82	9.67	0.78
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
RADIO 4460 B2/B25 B66_TMO	A	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.51 2.91	1.69 1.85 2.02 2.39	0.11 0.13 0.16 0.22
RADIO 4460 B2/B25 B66_TMO	B	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.51 2.91	1.69 1.85 2.02 2.39	0.11 0.13 0.16 0.22
RADIO 4460 B2/B25 B66_TMO	C	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.51 2.91	1.69 1.85 2.02 2.39	0.11 0.13 0.16 0.22
Radio 4480_TMOV2	A	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.88 3.09 3.31 3.78	1.40 1.56 1.73 2.09	0.08 0.10 0.13 0.19
Radio 4480_TMOV2	B	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.88 3.09 3.31 3.78	1.40 1.56 1.73 2.09	0.08 0.10 0.13 0.19
Radio 4480_TMOV2	C	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.88 3.09 3.31 3.78	1.40 1.56 1.73 2.09	0.08 0.10 0.13 0.19
WIMAX DAP HEAD	A	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.55 1.70 1.87 2.22	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
(4) WIMAX DAP HEAD	B	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.55 1.70 1.87 2.22	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
(4) WIMAX DAP HEAD	C	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.55 1.70 1.87 2.22	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
2.4" Dia x 8-ft Mount Pipe	A	From Centroid-Le g	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12

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
2.4" Dia x 8-ft Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
2.4" Dia x 8-ft Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
SitePro1 RMQP-496 w/ HRK12 **122** **113**	C	None		0.00	124.00	No Ice 1/2" Ice 1" Ice 2" Ice	21.17 25.84 30.51 39.85	19.65 24.18 28.79 38.01	1.49 1.83 2.29 3.21
DMP65R-BU6D w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DMP65R-BU6D w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DMP65R-BU6D w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
AIR 6419 B77G w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.32 4.74 5.17 6.09	2.49 2.84 3.21 4.00	0.08 0.11 0.15 0.24
AIR 6419 B77G w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.32 4.74 5.17 6.09	2.49 2.84 3.21 4.00	0.08 0.11 0.15 0.24
AIR 6419 B77G w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.32 4.74 5.17 6.09	2.49 2.84 3.21 4.00	0.08 0.11 0.15 0.24
AIR 6449 N77 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 3.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.65 3.99 4.35 5.11	2.72 3.03 3.36 4.05	0.11 0.15 0.20 0.31
AIR 6449 N77 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 3.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.65 3.99 4.35 5.11	2.72 3.03 3.36 4.05	0.11 0.15 0.20 0.31
AIR 6449 N77 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 3.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.65 3.99 4.35 5.11	2.72 3.03 3.36 4.05	0.11 0.15 0.20 0.31
QD8616-7 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	16.93 17.87 18.83 20.79	9.31 10.17 11.05 12.86	0.18 0.31 0.45 0.77
QD8616-7 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice	16.93 17.87 18.83	9.31 10.17 11.05	0.18 0.31 0.45

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	20.79	12.86	0.77
QD8616-7 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	16.93 17.87 18.83 20.79	9.31 10.17 11.05 12.86	0.18 0.31 0.45 0.77
RRUS 32 B2	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B2	B	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B2	C	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B30	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B30	B	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B30	C	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B66	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.19 3.68	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B66	B	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.19 3.68	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B66	C	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.19 3.68	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 4449 B5/B12	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	B	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	C	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4478 B14	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14

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
RRUS 4478 B14	B	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	C	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
DC6-48-60-18-8F	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
DC9-48-60-24-8C-EV	A	From Centroid-Leg	4.00 0.00 2.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.14 1.79 2.00 2.45	1.14 1.79 2.00 2.45	0.03 0.05 0.07 0.13
Miscellaneous [NA 507-1]	C	None		0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 6.39 8.18 11.66	4.56 6.39 8.18 11.66	0.25 0.31 0.40 0.66
Platform Mount [LP 712-1]	C	None		0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	24.56 27.92 31.27 37.98	24.56 27.92 31.27 37.98	1.34 1.91 2.55 3.97
Side Arm Mount [SO 310-1]	A	From Centroid-Leg	5.00 0.00 0.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.67 2.43 3.21 4.84	3.95 5.69 7.62 12.32	0.06 0.09 0.13 0.25
Side Arm Mount [SO 310-1]	B	From Centroid-Leg	5.00 0.00 0.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.67 2.43 3.21 4.84	3.95 5.69 7.62 12.32	0.06 0.09 0.13 0.25
Side Arm Mount [SO 310-1]	C	From Centroid-Leg	5.00 0.00 0.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.67 2.43 3.21 4.84	3.95 5.69 7.62 12.32	0.06 0.09 0.13 0.25
(2) 2.4" Dia. x 6 (Horizontal)	A	From Centroid-Leg	5.00 0.00 0.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.60 1.21 1.58 2.36	0.60 1.21 1.58 2.36	0.02 0.17 0.32 0.65
(2) 2.4" Dia. x 6 (Horizontal)	B	From Centroid-Leg	5.00 0.00 0.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.60 1.21 1.58 2.36	0.60 1.21 1.58 2.36	0.02 0.17 0.32 0.65
(2) 2.4" Dia. x 6 (Horizontal)	C	From Centroid-Leg	5.00 0.00 0.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.60 1.21 1.58 2.36	0.60 1.21 1.58 2.36	0.02 0.17 0.32 0.65
2.4" Dia x 8-ft Mount Pipe	A	From Centroid-Leg	5.00 0.00 0.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
2.4" Dia x 8-ft Mount Pipe	B	From	5.00	0.00	113.00	No Ice	1.90	1.90	0.03

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
		Centroid-Leg	0.00 0.00			1/2" Ice 1" Ice 2" Ice	2.73 3.40 4.40	2.73 3.40 4.40	0.04 0.06 0.12
2.4" Dia x 8-ft Mount Pipe	C	From Centroid-Leg	5.00 0.00 0.00	0.00	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
103									
MX08FRO665-21 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.11 0.19 0.29 0.52
MX08FRO665-21 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.11 0.19 0.29 0.52
MX08FRO665-21 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.11 0.19 0.29 0.52
TA08025-B605	A	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	B	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	C	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B604	A	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	B	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	C	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
RDIDC-9181-PF-48	A	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.01 2.19 2.37 2.76	1.17 1.31 1.46 1.78	0.02 0.04 0.06 0.11
(2) 2.4" Dia x 8-ft Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 2.4" Dia x 8-ft Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 2.4" Dia x 8-ft Mount Pipe	C	From	4.00	0.00	103.00	No Ice	1.90	1.90	0.03

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
		Centroid-Leg	0.00 0.00			1/2" Ice 1" Ice 2" Ice	2.73 3.40 4.40	2.73 3.40 4.40	0.04 0.06 0.12
Commscope MC-PK8-DSH	C	None		0.00	103.00	No Ice 1/2" Ice 1" Ice 2" Ice	34.24 62.95 91.66 149.08	34.24 62.95 91.66 149.08	1.75 2.10 2.45 3.15
92 **50**									
KS24019-L112A	C	From Leg	3.00 0.00 0.00	0.00	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.08 0.13 0.19 0.35	0.08 0.13 0.19 0.35	0.01 0.01 0.01 0.02
Side Arm Mount [SO 701-1]	C	From Leg	1.50 0.00 0.00	0.00	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12
***									
Bridge Stiffener (9"x52"x1")	A	From Leg	0.50 0.00 0.00	0.00	40.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.72 1.22 1.67 2.32	4.37 4.71 5.05 5.75	0.11 0.13 0.15 0.21
Bridge Stiffener (9"x52"x1")	B	From Leg	0.50 0.00 0.00	0.00	40.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.72 1.22 1.67 2.32	4.37 4.71 5.05 5.75	0.11 0.13 0.15 0.21
Bridge Stiffener (9"x52"x1")	C	From Leg	0.50 0.00 0.00	0.00	40.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.72 1.22 1.67 2.32	4.37 4.71 5.05 5.75	0.11 0.13 0.15 0.21
Bridge Stiffener (10"x42.25"x1")	A	From Leg	0.50 0.00 0.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.59 0.99 1.26 1.80	3.75 4.03 4.32 4.92	0.09 0.11 0.13 0.18
Bridge Stiffener (10"x42.25"x1")	B	From Leg	0.50 0.00 0.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.59 0.99 1.26 1.80	3.75 4.03 4.32 4.92	0.09 0.11 0.13 0.18
Bridge Stiffener (10"x42.25"x1")	C	From Leg	0.50 0.00 0.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.59 0.99 1.26 1.80	3.75 4.03 4.32 4.92	0.09 0.11 0.13 0.18
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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

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
VHLP2.5-18	B	Paraboloid w/Shroud (HP)	From Centroid -Leg	4.00 0.00 7.00	0.00		124.00	2.92	No Ice 1/2" Ice 1" Ice 2" Ice	6.68 7.07 7.45 8.23	0.05 0.08 0.12 0.19
VHLP1-23	C	Paraboloid w/Radome	From Centroid -Leg	4.00 0.00 7.00	0.00		124.00	1.27	No Ice 1/2" Ice 1" Ice 2" Ice	1.28 1.45 1.62 1.96	0.01 0.02 0.02 0.04

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

Comb. No.	Description
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	137 - 132	Pole	Max Tension	48	0.00	-0.00	0.00
			Max. Compression	26	-0.44	0.01	0.00
			Max. Mx	20	-0.29	0.42	0.00
			Max. My	2	-0.29	0.00	0.42
			Max. Vy	20	-0.17	0.42	0.00
			Max. Vx	2	-0.17	0.00	0.42
L2	132 - 127	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-1.08	-0.44	-0.38
			Max. Mx	8	-0.63	-3.20	-0.52
			Max. My	14	-0.63	-0.63	-2.84
			Max. Vy	20	-0.74	3.11	0.37
			Max. Vx	2	-0.62	0.62	2.68
			Max. Torque	16			0.81
L3	127 - 125	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-1.26	-0.43	-0.38
			Max. Mx	20	-0.74	4.65	0.62
			Max. My	14	-0.75	-0.88	-4.08
			Max. Vy	20	-0.80	4.65	0.62
			Max. Vx	2	-0.69	1.00	3.99
			Max. Torque	16			0.81
L4	125 - 120	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-10.68	-0.42	-1.33
			Max. Mx	20	-5.27	26.56	0.84
			Max. My	14	-5.30	-1.52	-25.29
			Max. Vy	20	-5.39	26.56	0.84
			Max. Vx	2	-5.18	1.98	24.51
			Max. Torque	16			0.97
L5	120 - 115	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-11.54	-0.40	-1.33
			Max. Mx	20	-5.88	54.30	1.48
			Max. My	14	-5.90	-2.17	-51.80
			Max. Vy	20	-5.70	54.30	1.48
			Max. Vx	2	-5.49	2.96	51.19
			Max. Torque	16			0.97
L6	115 - 110	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.04	-0.39	-0.02
			Max. Mx	20	-11.30	111.73	2.53
			Max. My	2	-11.33	3.96	107.97
			Max. Vy	20	-12.54	111.73	2.53
			Max. Vx	2	-12.33	3.96	107.97
			Max. Torque	16			0.97
L7	110 - 105	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.95	-0.37	-0.01
			Max. Mx	20	-11.97	175.16	3.19
			Max. My	2	-11.99	4.97	170.32
			Max. Vy	20	-12.83	175.16	3.19

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-12.62	4.97	170.32
			Max. Torque	16			0.70
L8	105 - 100	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.69	-0.36	0.34
			Max. Mx	20	-15.70	249.34	3.94
			Max. My	2	-15.73	5.99	243.59
			Max. Vy	20	-16.22	249.34	3.94
			Max. Vx	2	-16.03	5.99	243.59
			Max. Torque	16			0.70
L9	100 - 95	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.61	-0.34	0.35
			Max. Mx	20	-16.43	331.01	4.60
			Max. My	2	-16.45	7.02	324.32
			Max. Vy	20	-16.46	331.01	4.60
			Max. Vx	2	-16.27	7.02	324.32
			Max. Torque	16			0.61
L10	95 - 90	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36.53	-0.33	0.35
			Max. Mx	20	-17.17	413.84	5.27
			Max. My	2	-17.19	8.04	406.21
			Max. Vy	20	-16.68	413.84	5.27
			Max. Vx	2	-16.49	8.04	406.21
			Max. Torque	16			0.61
L11	90 - 89.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36.69	-0.33	0.35
			Max. Mx	20	-17.28	426.37	5.37
			Max. My	2	-17.30	8.19	418.59
			Max. Vy	20	-16.75	426.37	5.37
			Max. Vx	2	-16.56	8.19	418.59
			Max. Torque	16			0.61
L12	89.25 - 89	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36.75	-0.32	0.36
			Max. Mx	20	-17.33	430.56	5.40
			Max. My	2	-17.35	8.24	422.73
			Max. Vy	20	-16.77	430.56	5.40
			Max. Vx	2	-16.58	8.24	422.73
			Max. Torque	16			0.61
L13	89 - 85.66	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.60	-0.30	0.37
			Max. Mx	20	-17.95	487.10	5.85
			Max. My	2	-17.96	8.93	478.66
			Max. Vy	20	-17.10	487.10	5.85
			Max. Vx	2	-16.91	8.93	478.66
			Max. Torque	16			0.61
L14	85.66 - 85.41	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.67	-0.30	0.37
			Max. Mx	20	-18.01	491.38	5.89
			Max. My	2	-18.03	8.99	482.89
			Max. Vy	20	-17.12	491.38	5.89
			Max. Vx	2	-16.93	8.99	482.89
			Max. Torque	16			0.61
L15	85.41 - 81.15	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.05	-0.25	0.42
			Max. Mx	20	-18.97	565.28	6.49
			Max. My	2	-18.99	9.89	556.02
			Max. Vy	20	-17.57	565.28	6.49
			Max. Vx	2	-17.39	9.89	556.02
			Max. Torque	16			0.61
L16	81.15 - 80.9	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.14	-0.24	0.42
			Max. Mx	20	-19.04	569.68	6.52

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	2	-19.06	9.94	560.37
			Max. Vy	20	-17.59	569.68	6.52
			Max. Vx	2	-17.41	9.94	560.37
			Max. Torque	16			0.61
L17	80.9 - 80.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.29	-0.24	0.43
			Max. Mx	20	-19.14	576.72	6.58
			Max. My	2	-19.16	10.02	567.34
			Max. Vy	20	-17.64	576.72	6.58
			Max. Vx	2	-17.46	10.02	567.34
			Max. Torque	16			0.61
L18	80.5 - 80.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.38	-0.24	0.43
			Max. Mx	20	-19.21	581.14	6.61
			Max. My	2	-19.22	10.07	571.71
			Max. Vy	20	-17.66	581.14	6.61
			Max. Vx	2	-17.48	10.07	571.71
			Max. Torque	16			0.61
L19	80.25 - 80	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.46	-0.24	0.43
			Max. Mx	20	-19.27	585.56	6.65
			Max. My	2	-19.29	10.12	576.08
			Max. Vy	20	-17.69	585.56	6.65
			Max. Vx	2	-17.51	10.12	576.08
			Max. Torque	16			0.61
L20	80 - 79.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.05	-0.23	0.43
			Max. Mx	20	-19.65	590.04	6.68
			Max. My	2	-19.67	10.18	580.52
			Max. Vy	20	-17.94	590.04	6.68
			Max. Vx	2	-17.76	10.18	580.52
			Max. Torque	16			0.61
L21	79.75 - 79	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.32	-0.20	0.44
			Max. Mx	20	-19.84	603.53	6.79
			Max. My	2	-19.86	10.34	593.87
			Max. Vy	20	-18.00	603.53	6.79
			Max. Vx	2	-17.83	10.34	593.87
			Max. Torque	16			0.61
L22	79 - 78.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.39	-0.19	0.45
			Max. Mx	20	-19.90	608.04	6.82
			Max. My	2	-19.91	10.40	598.33
			Max. Vy	20	-18.02	608.04	6.82
			Max. Vx	2	-17.85	10.40	598.33
			Max. Torque	16			0.61
L23	78.75 - 73.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.85	-0.03	0.54
			Max. Mx	20	-20.94	699.12	7.52
			Max. My	2	-20.95	11.48	688.57
			Max. Vy	20	-18.39	699.12	7.52
			Max. Vx	2	-18.24	11.48	688.57
			Max. Torque	16			0.61
L24	73.75 - 68.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43.24	0.12	0.63
			Max. Mx	20	-21.99	791.99	8.22
			Max. My	2	-22.00	12.57	780.72
			Max. Vy	20	-18.74	791.99	8.22
			Max. Vx	2	-18.61	12.57	780.72
			Max. Torque	16			0.61
L25	68.75 - 65.5	Pole	Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-44.17	0.23	0.68
			Max. Mx	20	-22.68	853.27	8.67
			Max. My	2	-22.69	13.27	841.60
			Max. Vy	20	-18.96	853.27	8.67
			Max. Vx	2	-18.85	13.27	841.60
			Max. Torque	16			0.61
L26	65.5 - 65.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.25	0.23	0.69
			Max. Mx	20	-22.75	858.02	8.71
			Max. My	2	-22.76	13.32	846.31
			Max. Vy	20	-18.97	858.02	8.71
			Max. Vx	2	-18.86	13.32	846.31
			Max. Torque	16			0.61
L27	65.25 - 60.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.94	0.39	0.78
			Max. Mx	20	-23.99	953.77	9.40
			Max. My	2	-23.99	14.40	941.59
			Max. Vy	20	-19.31	953.77	9.40
			Max. Vx	2	-19.24	14.40	941.59
			Max. Torque	16			0.61
L28	60.25 - 58.4	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.63	0.48	0.85
			Max. Mx	20	-24.47	989.77	9.70
			Max. My	2	-24.48	14.84	977.46
			Max. Vy	20	-19.57	989.77	9.70
			Max. Vx	2	-19.50	14.84	977.46
			Max. Torque	16			0.61
L29	58.4 - 58.15	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.74	0.49	0.86
			Max. Mx	20	-24.56	994.67	9.74
			Max. My	2	-24.57	14.89	982.34
			Max. Vy	20	-19.59	994.67	9.74
			Max. Vx	2	-19.53	14.89	982.34
			Max. Torque	16			0.61
L30	58.15 - 57.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.03	0.52	0.88
			Max. Mx	20	-24.77	1007.46	9.84
			Max. My	2	-24.77	15.05	995.09
			Max. Vy	20	-19.69	1007.46	9.84
			Max. Vx	2	-19.62	15.05	995.09
			Max. Torque	16			0.61
L31	57.5 - 57.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.13	0.54	0.89
			Max. Mx	20	-24.84	1012.39	9.88
			Max. My	2	-24.85	15.11	1000.00
			Max. Vy	20	-19.72	1012.39	9.88
			Max. Vx	2	-19.65	15.11	1000.00
			Max. Torque	16			0.61
L32	57.25 - 52.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-49.06	0.79	1.09
			Max. Mx	20	-26.30	1111.95	10.70
			Max. My	2	-26.30	16.29	1099.35
			Max. Vy	8	20.26	-1104.22	-7.82
			Max. Vx	2	-20.03	16.29	1099.35
			Max. Torque	16			0.61
L33	52.25 - 49.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.26	1.28	1.00
			Max. Mx	20	-27.19	1167.62	11.02
			Max. My	2	-27.19	17.17	1154.66
			Max. Vy	8	20.66	-1160.09	-8.15
			Max. Vx	2	-20.29	17.17	1154.66

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	16			0.61
L34	49.5 - 49.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.37	1.29	1.01
			Max. Mx	20	-27.28	1172.69	11.07
			Max. My	2	-27.28	17.23	1159.75
			Max. Vy	8	20.68	-1165.25	-8.17
			Max. Vx	2	-20.31	17.23	1159.75
			Max. Torque	16			0.51
L35	49.25 - 44.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.57	1.55	1.20
			Max. Mx	20	-28.91	1275.89	11.95
			Max. My	2	-28.92	18.48	1263.09
			Max. Vy	8	21.35	-1270.12	-8.60
			Max. Vx	2	-20.97	18.48	1263.09
			Max. Torque	16			0.51
L36	44.25 - 41.9	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.68	1.68	1.28
			Max. Mx	20	-29.68	1325.53	12.36
			Max. My	2	-29.69	19.07	1312.81
			Max. Vy	8	21.66	-1320.55	-8.80
			Max. Vx	2	-21.30	19.07	1312.81
			Max. Torque	16			0.51
L37	41.9 - 41.65	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.78	1.69	1.29
			Max. Mx	20	-29.76	1330.85	12.40
			Max. My	2	-29.77	19.13	1318.15
			Max. Vy	8	21.69	-1325.96	-8.82
			Max. Vx	2	-21.32	19.13	1318.15
			Max. Torque	16			0.51
L38	41.65 - 40.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.17	1.74	1.33
			Max. Mx	20	-30.02	1350.09	12.56
			Max. My	2	-30.03	19.35	1337.41
			Max. Vy	8	21.81	-1345.49	-8.90
			Max. Vx	2	-21.44	19.35	1337.41
			Max. Torque	16			0.51
L39	40.75 - 40.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.30	1.75	1.33
			Max. Mx	20	-30.12	1355.45	12.60
			Max. My	2	-30.12	19.42	1342.78
			Max. Vy	8	21.83	-1350.93	-8.92
			Max. Vx	2	-21.47	19.42	1342.78
			Max. Torque	16			0.51
L40	40.5 - 40	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.51	1.77	1.34
			Max. Mx	20	-30.28	1366.19	12.68
			Max. My	2	-30.29	19.53	1353.54
			Max. Vy	8	21.90	-1361.85	-8.97
			Max. Vx	2	-21.53	19.53	1353.54
			Max. Torque	16			0.51
L41	40 - 39.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.22	1.78	1.35
			Max. Mx	20	-30.78	1371.63	12.72
			Max. My	2	-30.78	19.59	1358.99
			Max. Vy	8	22.14	-1367.38	-9.00
			Max. Vx	2	-21.80	19.59	1358.99
			Max. Torque	16			0.51
L42	39.75 - 39.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.48	1.80	1.36
			Max. Mx	20	-30.98	1382.53	12.80
			Max. My	2	-30.98	19.70	1369.91

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	8	22.18	-1378.45	-9.05
			Max. Vx	2	-21.88	19.70	1369.91
			Max. Torque	16			0.51
L43	39.25 - 39	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.58	1.81	1.36
			Max. Mx	20	-31.05	1388.00	12.83
			Max. My	2	-31.06	19.76	1375.39
			Max. Vy	8	22.20	-1383.99	-9.08
			Max. Vx	2	-21.91	19.76	1375.39
			Max. Torque	16			0.51
L44	39 - 34	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.57	1.98	1.45
			Max. Mx	20	-32.59	1498.23	13.59
			Max. My	2	-32.59	20.91	1485.80
			Max. Vy	8	22.52	-1495.68	-9.61
			Max. Vx	2	-22.24	20.91	1485.80
			Max. Torque	16			0.51
L45	34 - 29	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.45	2.15	1.55
			Max. Mx	20	-34.14	1610.00	14.35
			Max. My	2	-34.14	22.05	1597.79
			Max. Vy	8	22.82	-1608.92	-10.15
			Max. Vx	2	-22.55	22.05	1597.79
			Max. Torque	16			0.51
L46	29 - 24	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.33	2.32	1.65
			Max. Mx	8	-35.69	-1723.57	-10.68
			Max. My	2	-35.69	23.18	1711.21
			Max. Vy	8	23.09	-1723.57	-10.68
			Max. Vx	2	-22.82	23.18	1711.21
			Max. Torque	16			0.51
L47	24 - 19.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.03	2.47	1.74
			Max. Mx	8	-37.09	-1827.84	-11.16
			Max. My	2	-37.10	24.20	1814.40
			Max. Vy	8	23.31	-1827.84	-11.16
			Max. Vx	2	-23.04	24.20	1814.40
			Max. Torque	16			0.51
L48	19.5 - 19.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.14	2.47	1.74
			Max. Mx	8	-37.19	-1833.66	-11.18
			Max. My	2	-37.19	24.26	1820.16
			Max. Vy	8	23.31	-1833.66	-11.18
			Max. Vx	2	-23.05	24.26	1820.16
			Max. Torque	16			0.51
L49	19.25 - 14.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.27	2.61	1.84
			Max. Mx	8	-38.93	-1950.64	-11.71
			Max. My	2	-38.93	25.38	1936.00
			Max. Vy	8	23.53	-1950.64	-11.71
			Max. Vx	2	-23.28	25.38	1936.00
			Max. Torque	16			0.51
L50	14.25 - 13	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.86	2.65	1.91
			Max. Mx	8	-39.38	-1980.03	-11.79
			Max. My	2	-39.39	25.68	1965.24
			Max. Vy	8	23.59	-1980.03	-11.79
			Max. Vx	2	-23.42	25.68	1965.24
			Max. Torque	16			0.51
L51	13 - 12.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.99	2.66	1.92

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	8	-39.50	-1985.92	-11.81
			Max. My	2	-39.50	25.74	1971.10
			Max. Vy	8	23.58	-1985.92	-11.81
			Max. Vx	2	-23.43	25.74	1971.10
			Max. Torque	16			0.51
L52	12.75 - 7.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.58	2.84	2.22
			Max. Mx	8	-41.61	-2104.18	-12.12
			Max. My	2	-41.61	26.93	2089.83
			Max. Vy	20	-23.88	2100.59	17.80
			Max. Vx	2	-23.97	26.93	2089.83
			Max. Torque	16			0.51
L53	7.75 - 3.67	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.67	2.99	2.46
			Max. Mx	8	-43.35	-2201.41	-12.38
			Max. My	2	-43.35	27.90	2188.63
			Max. Vy	20	-24.30	2198.96	18.56
			Max. Vx	2	-24.39	27.90	2188.63
			Max. Torque	16			0.51
L54	3.67 - 3.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.80	3.00	2.47
			Max. Mx	8	-43.47	-2207.39	-12.40
			Max. My	2	-43.47	27.96	2194.74
			Max. Vy	20	-24.31	2205.04	18.61
			Max. Vx	2	-24.40	27.96	2194.74
			Max. Torque	16			0.51
L55	3.42 - 1.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.83	3.06	2.58
			Max. Mx	8	-44.34	-2253.37	-12.52
			Max. My	2	-44.34	28.41	2241.87
			Max. Vy	20	-24.53	2251.96	18.97
			Max. Vx	2	-24.62	28.41	2241.87
			Max. Torque	16			0.51
L56	1.5 - 1.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.96	3.07	2.60
			Max. Mx	8	-44.45	-2259.37	-12.53
			Max. My	2	-44.45	28.47	2248.03
			Max. Vy	20	-24.53	2258.10	19.02
			Max. Vx	2	-24.62	28.47	2248.03
			Max. Torque	16			0.51
L57	1.25 - 0.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.33	3.10	2.64
			Max. Mx	8	-44.77	-2277.38	-12.58
			Max. My	2	-44.77	28.65	2266.56
			Max. Vy	20	-24.61	2276.55	19.16
			Max. Vx	2	-24.70	28.65	2266.56
			Max. Torque	16			0.51
L58	0.5 - 0.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.45	3.11	2.65
			Max. Mx	8	-44.88	-2283.39	-12.60
			Max. My	2	-44.88	28.71	2272.75
			Max. Vy	20	-24.63	2282.71	19.20
			Max. Vx	2	-24.72	28.71	2272.75
			Max. Torque	16			0.51
L59	0.25 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.57	3.12	2.67
			Max. Mx	8	-44.99	-2289.40	-12.61
			Max. My	2	-44.99	28.77	2278.95
			Max. Vy	20	-24.65	2288.87	19.25
			Max. Vx	2	-24.74	28.77	2278.95
			Max. Torque	16			0.51

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	72.57	0.00	0.00
	Max. H_x	20	44.99	24.65	0.14
	Max. H_z	2	44.99	0.20	24.74
	Max. M_x	2	2278.95	0.20	24.74
	Max. M_z	8	2289.40	-24.07	-0.11
	Max. Torsion	16	0.51	12.23	-21.21
	Min. Vert	21	33.74	24.65	0.14
	Min. H_x	8	44.99	-24.07	-0.11
	Min. H_z	14	44.99	-0.14	-24.50
	Min. M_x	14	-2259.16	-0.14	-24.50
	Min. M_z	20	-2288.87	24.65	0.14
	Min. Torsion	4	-0.49	-11.83	20.38

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	37.49	0.00	0.00	-1.38	1.68	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	44.99	-0.20	-24.74	-2278.95	28.77	0.17
0.9 Dead+1.0 Wind 0 deg - No Ice	33.74	-0.20	-24.74	-2256.40	27.93	0.17
1.2 Dead+1.0 Wind 30 deg - No Ice	44.99	11.83	-20.38	-1949.56	-1131.88	0.49
0.9 Dead+1.0 Wind 30 deg - No Ice	33.74	11.83	-20.38	-1930.13	-1121.32	0.49
1.2 Dead+1.0 Wind 60 deg - No Ice	44.99	20.55	-11.69	-1114.34	-1966.62	0.31
0.9 Dead+1.0 Wind 60 deg - No Ice	33.74	20.55	-11.69	-1103.09	-1947.91	0.30
1.2 Dead+1.0 Wind 90 deg - No Ice	44.99	24.07	0.11	12.61	-2289.40	0.08
0.9 Dead+1.0 Wind 90 deg - No Ice	33.74	24.07	0.11	12.88	-2267.63	0.08
1.2 Dead+1.0 Wind 120 deg - No Ice	44.99	20.52	11.82	1132.15	-1970.13	-0.04
0.9 Dead+1.0 Wind 120 deg - No Ice	33.74	20.52	11.82	1121.50	-1951.37	-0.03
1.2 Dead+1.0 Wind 150 deg - No Ice	44.99	12.30	21.04	1946.02	-1144.21	-0.15
0.9 Dead+1.0 Wind 150 deg - No Ice	33.74	12.30	21.04	1927.47	-1133.52	-0.15
1.2 Dead+1.0 Wind 180 deg - No Ice	44.99	0.14	24.50	2259.16	-15.69	-0.37
0.9 Dead+1.0 Wind 180 deg - No Ice	33.74	0.14	24.50	2237.60	-16.02	-0.37

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
1.2 Dead+1.0 Wind 210 deg - No Ice	44.99	-12.23	21.21	1954.02	1129.83	-0.51
0.9 Dead+1.0 Wind 210 deg - No Ice	33.74	-12.23	21.21	1935.44	1118.33	-0.51
1.2 Dead+1.0 Wind 240 deg - No Ice	44.99	-21.27	12.02	1104.41	1979.61	-0.14
0.9 Dead+1.0 Wind 240 deg - No Ice	33.74	-21.27	12.02	1094.10	1959.77	-0.14
1.2 Dead+1.0 Wind 270 deg - No Ice	44.99	-24.65	-0.14	-19.25	2288.87	-0.04
0.9 Dead+1.0 Wind 270 deg - No Ice	33.74	-24.65	-0.14	-18.62	2266.03	-0.04
1.2 Dead+1.0 Wind 300 deg - No Ice	44.99	-21.54	-12.42	-1148.22	1993.92	0.06
0.9 Dead+1.0 Wind 300 deg - No Ice	33.74	-21.54	-12.42	-1136.64	1973.99	0.06
1.2 Dead+1.0 Wind 330 deg - No Ice	44.99	-12.66	-21.63	-1983.65	1169.36	0.14
0.9 Dead+1.0 Wind 330 deg - No Ice	33.74	-12.66	-21.63	-1964.01	1157.47	0.13
1.2 Dead+1.0 Ice+1.0 Temp	72.57	0.00	0.00	-2.67	3.12	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	72.57	-0.05	-7.44	-727.93	9.35	0.01
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	72.57	3.72	-6.43	-629.10	-360.23	0.06
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	72.57	6.45	-3.69	-361.58	-627.34	0.02
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	72.57	7.45	0.03	0.48	-724.70	-0.02
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	72.57	6.49	3.74	362.10	-630.45	-0.03
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	72.57	3.75	6.43	623.69	-363.35	-0.03
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	72.57	0.03	7.42	720.52	-0.84	-0.05
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	72.57	-3.71	6.43	623.71	364.55	-0.07
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	72.57	-6.47	3.68	354.14	635.36	0.02
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	72.57	-7.47	-0.03	-6.89	733.25	0.03
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	72.57	-6.51	-3.76	-368.93	638.39	0.04
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	72.57	-3.76	-6.46	-631.60	371.37	0.03
Dead+Wind 0 deg - Service	37.49	-0.05	-6.14	-563.33	8.28	0.04
Dead+Wind 30 deg - Service	37.49	2.93	-5.06	-482.05	-278.08	0.11
Dead+Wind 60 deg - Service	37.49	5.10	-2.90	-275.97	-484.05	0.06
Dead+Wind 90 deg - Service	37.49	5.97	0.03	2.11	-563.71	0.01
Dead+Wind 120 deg - Service	37.49	5.09	2.93	278.37	-484.92	-0.02
Dead+Wind 150 deg - Service	37.49	3.05	5.22	479.21	-281.12	-0.05
Dead+Wind 180 deg - Service	37.49	0.03	6.08	556.47	-2.65	-0.09
Dead+Wind 210 deg - Service	37.49	-3.03	5.26	481.18	280.00	-0.12
Dead+Wind 240 deg - Service	37.49	-5.28	2.98	271.55	489.67	-0.02
Dead+Wind 270 deg - Service	37.49	-6.11	-0.03	-5.73	565.99	0.01
Dead+Wind 300 deg - Service	37.49	-5.34	-3.08	-284.32	493.21	0.03
Dead+Wind 330 deg - Service	37.49	-3.14	-5.37	-490.47	289.74	0.04

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	0.00	-37.49	0.00	0.00	37.49	0.00	0.000%
2	-0.20	-44.99	-24.74	0.20	44.99	24.74	0.000%
3	-0.20	-33.74	-24.74	0.20	33.74	24.74	0.000%
4	11.83	-44.99	-20.38	-11.83	44.99	20.38	0.000%
5	11.83	-33.74	-20.38	-11.83	33.74	20.38	0.000%
6	20.55	-44.99	-11.69	-20.55	44.99	11.69	0.000%
7	20.55	-33.74	-11.69	-20.55	33.74	11.69	0.000%
8	24.07	-44.99	0.11	-24.07	44.99	-0.11	0.000%
9	24.07	-33.74	0.11	-24.07	33.74	-0.11	0.000%
10	20.52	-44.99	11.82	-20.52	44.99	-11.82	0.000%
11	20.52	-33.74	11.82	-20.52	33.74	-11.82	0.000%
12	12.30	-44.99	21.04	-12.30	44.99	-21.04	0.000%
13	12.30	-33.74	21.04	-12.30	33.74	-21.04	0.000%
14	0.14	-44.99	24.50	-0.14	44.99	-24.50	0.000%
15	0.14	-33.74	24.50	-0.14	33.74	-24.50	0.000%
16	-12.23	-44.99	21.21	12.23	44.99	-21.21	0.000%
17	-12.23	-33.74	21.21	12.23	33.74	-21.21	0.000%
18	-21.27	-44.99	12.02	21.27	44.99	-12.02	0.000%
19	-21.27	-33.74	12.02	21.27	33.74	-12.02	0.000%
20	-24.65	-44.99	-0.14	24.65	44.99	0.14	0.000%
21	-24.65	-33.74	-0.14	24.65	33.74	0.14	0.000%
22	-21.54	-44.99	-12.42	21.54	44.99	12.42	0.000%
23	-21.54	-33.74	-12.42	21.54	33.74	12.42	0.000%
24	-12.66	-44.99	-21.63	12.66	44.99	21.63	0.000%
25	-12.66	-33.74	-21.63	12.66	33.74	21.63	0.000%
26	0.00	-72.57	0.00	0.00	72.57	0.00	0.000%
27	-0.05	-72.57	-7.44	0.05	72.57	7.44	0.000%
28	3.72	-72.57	-6.43	-3.72	72.57	6.43	0.000%
29	6.45	-72.57	-3.69	-6.45	72.57	3.69	0.000%
30	7.45	-72.57	0.03	-7.45	72.57	-0.03	0.000%
31	6.49	-72.57	3.74	-6.49	72.57	-3.74	0.000%
32	3.75	-72.57	6.43	-3.75	72.57	-6.43	0.000%
33	0.03	-72.57	7.42	-0.03	72.57	-7.42	0.000%
34	-3.71	-72.57	6.43	3.71	72.57	-6.43	0.000%
35	-6.47	-72.57	3.68	6.47	72.57	-3.68	0.000%
36	-7.47	-72.57	-0.03	7.47	72.57	0.03	0.000%
37	-6.51	-72.57	-3.76	6.51	72.57	3.76	0.000%
38	-3.76	-72.57	-6.46	3.76	72.57	6.46	0.000%
39	-0.05	-37.49	-6.14	0.05	37.49	6.14	0.000%
40	2.93	-37.49	-5.06	-2.93	37.49	5.06	0.000%
41	5.10	-37.49	-2.90	-5.10	37.49	2.90	0.000%
42	5.97	-37.49	0.03	-5.97	37.49	-0.03	0.000%
43	5.09	-37.49	2.93	-5.09	37.49	-2.93	0.000%
44	3.05	-37.49	5.22	-3.05	37.49	-5.22	0.000%
45	0.03	-37.49	6.08	-0.03	37.49	-6.08	0.000%
46	-3.03	-37.49	5.26	3.03	37.49	-5.26	0.000%
47	-5.28	-37.49	2.98	5.28	37.49	-2.98	0.000%
48	-6.11	-37.49	-0.03	6.11	37.49	0.03	0.000%
49	-5.34	-37.49	-3.08	5.34	37.49	3.08	0.000%
50	-3.14	-37.49	-5.37	3.14	37.49	5.37	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00020350
3	Yes	5	0.00000001	0.00008376
4	Yes	6	0.00000001	0.00034766
5	Yes	6	0.00000001	0.00012193
6	Yes	6	0.00000001	0.00033661
7	Yes	6	0.00000001	0.00011780
8	Yes	5	0.00000001	0.00019911
9	Yes	5	0.00000001	0.00008408
10	Yes	6	0.00000001	0.00034721
11	Yes	6	0.00000001	0.00012135
12	Yes	6	0.00000001	0.00034714
13	Yes	6	0.00000001	0.00012156
14	Yes	5	0.00000001	0.00035430
15	Yes	5	0.00000001	0.00016781
16	Yes	6	0.00000001	0.00033303
17	Yes	6	0.00000001	0.00011648
18	Yes	6	0.00000001	0.00034059
19	Yes	6	0.00000001	0.00011928
20	Yes	5	0.00000001	0.00022119
21	Yes	5	0.00000001	0.00009446
22	Yes	6	0.00000001	0.00035556
23	Yes	6	0.00000001	0.00012391
24	Yes	6	0.00000001	0.00035216
25	Yes	6	0.00000001	0.00012258
26	Yes	4	0.00000001	0.00000001
27	Yes	6	0.00000001	0.00066182
28	Yes	6	0.00000001	0.00075994
29	Yes	6	0.00000001	0.00075971
30	Yes	6	0.00000001	0.00066187
31	Yes	6	0.00000001	0.00076349
32	Yes	6	0.00000001	0.00075898
33	Yes	6	0.00000001	0.00065609
34	Yes	6	0.00000001	0.00075622
35	Yes	6	0.00000001	0.00075890
36	Yes	6	0.00000001	0.00066734
37	Yes	6	0.00000001	0.00077522
38	Yes	6	0.00000001	0.00077062
39	Yes	4	0.00000001	0.00069721
40	Yes	5	0.00000001	0.00012644
41	Yes	5	0.00000001	0.00011837
42	Yes	4	0.00000001	0.00069699
43	Yes	5	0.00000001	0.00012195
44	Yes	5	0.00000001	0.00012482
45	Yes	4	0.00000001	0.00074295
46	Yes	5	0.00000001	0.00011625
47	Yes	5	0.00000001	0.00012118
48	Yes	4	0.00000001	0.00070775
49	Yes	5	0.00000001	0.00012907
50	Yes	5	0.00000001	0.00012525

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	137 - 132	16.12	49	0.97	0.00

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L2	132 - 127	15.10	49	0.97	0.00
L3	127 - 125	14.09	49	0.97	0.00
L4	125 - 120	13.68	49	0.97	0.00
L5	120 - 115	12.66	49	0.97	0.00
L6	115 - 110	11.65	49	0.96	0.00
L7	110 - 105	10.65	49	0.95	0.00
L8	105 - 100	9.68	49	0.92	0.00
L9	100 - 95	8.73	49	0.88	0.00
L10	95 - 90	7.83	49	0.83	0.00
L11	90 - 89.25	7.00	49	0.76	0.00
L12	89.25 - 89	6.88	49	0.75	0.00
L13	89 - 85.66	6.84	49	0.75	0.00
L14	85.66 - 85.41	6.33	49	0.71	0.00
L15	85.41 - 81.15	6.29	49	0.70	0.00
L16	81.15 - 80.9	5.69	49	0.65	0.00
L17	80.9 - 80.5	5.65	49	0.65	0.00
L18	80.5 - 80.25	5.60	49	0.65	0.00
L19	80.25 - 80	5.56	49	0.65	0.00
L20	80 - 79.75	5.53	49	0.64	0.00
L21	79.75 - 79	5.50	49	0.64	0.00
L22	79 - 78.75	5.39	49	0.64	0.00
L23	78.75 - 73.75	5.36	49	0.64	0.00
L24	73.75 - 68.75	4.71	49	0.60	0.00
L25	68.75 - 65.5	4.10	49	0.56	0.00
L26	65.5 - 65.25	3.72	49	0.54	0.00
L27	65.25 - 60.25	3.70	49	0.53	0.00
L28	60.25 - 58.4	3.16	49	0.50	0.00
L29	58.4 - 58.15	2.97	49	0.48	0.00
L30	58.15 - 57.5	2.94	49	0.48	0.00
L31	57.5 - 57.25	2.88	49	0.47	0.00
L32	57.25 - 52.25	2.85	49	0.47	0.00
L33	52.25 - 49.5	2.38	49	0.43	0.00
L34	49.5 - 49.25	2.14	49	0.41	0.00
L35	49.25 - 44.25	2.12	49	0.40	0.00
L36	44.25 - 41.9	1.72	49	0.36	0.00
L37	41.9 - 41.65	1.54	49	0.34	0.00
L38	41.65 - 40.75	1.52	49	0.34	0.00
L39	40.75 - 40.5	1.46	49	0.33	0.00
L40	40.5 - 40	1.44	49	0.33	0.00
L41	40 - 39.75	1.41	49	0.33	0.00
L42	39.75 - 39.25	1.39	49	0.33	0.00
L43	39.25 - 39	1.36	49	0.32	0.00
L44	39 - 34	1.34	49	0.32	0.00
L45	34 - 29	1.02	49	0.29	0.00
L46	29 - 24	0.74	49	0.25	0.00
L47	24 - 19.5	0.51	49	0.20	0.00
L48	19.5 - 19.25	0.33	50	0.16	0.00
L49	19.25 - 14.25	0.32	50	0.16	0.00
L50	14.25 - 13	0.18	50	0.12	0.00
L51	13 - 12.75	0.15	50	0.11	0.00
L52	12.75 - 7.75	0.14	50	0.11	0.00
L53	7.75 - 3.67	0.05	50	0.06	0.00
L54	3.67 - 3.42	0.01	50	0.03	0.00
L55	3.42 - 1.5	0.01	50	0.03	0.00
L56	1.5 - 1.25	0.00	50	0.01	0.00
L57	1.25 - 0.5	0.00	50	0.01	0.00
L58	0.5 - 0.25	0.00	50	0.00	0.00
L59	0.25 - 0	0.00	1	0.00	0.00

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
131.00	VHLP2.5-18	49	14.90	0.97	0.00	162271
124.00	LLPX310R-V4 w/ Mount Pipe	49	13.48	0.97	0.00	81422
113.00	DMP65R-BU6D w/ Mount Pipe	49	11.25	0.96	0.00	20642
103.00	MX08FRO665-21 w/ Mount Pipe	49	9.29	0.91	0.00	7792
80.00	Bridge Stiffener (10"x42.25"x1")	49	5.53	0.64	0.00	6930
50.00	KS24019-L112A	49	2.18	0.41	0.00	6832
40.00	Bridge Stiffener (9"x52"x1")	49	1.41	0.33	0.00	7430

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	137 - 132	65.30	22	3.95	0.01
L2	132 - 127	61.17	22	3.95	0.01
L3	127 - 125	57.04	22	3.94	0.01
L4	125 - 120	55.39	22	3.94	0.01
L5	120 - 115	51.28	22	3.93	0.01
L6	115 - 110	47.19	22	3.90	0.00
L7	110 - 105	43.14	22	3.84	0.00
L8	105 - 100	39.17	22	3.73	0.00
L9	100 - 95	35.34	22	3.58	0.00
L10	95 - 90	31.71	22	3.37	0.00
L11	90 - 89.25	28.32	22	3.09	0.00
L12	89.25 - 89	27.84	22	3.05	0.00
L13	89 - 85.66	27.68	22	3.04	0.00
L14	85.66 - 85.41	25.62	22	2.87	0.00
L15	85.41 - 81.15	25.47	22	2.85	0.00
L16	81.15 - 80.9	23.01	22	2.65	0.00
L17	80.9 - 80.5	22.87	22	2.64	0.00
L18	80.5 - 80.25	22.65	22	2.62	0.00
L19	80.25 - 80	22.51	22	2.62	0.00
L20	80 - 79.75	22.38	22	2.61	0.00
L21	79.75 - 79	22.24	22	2.61	0.00
L22	79 - 78.75	21.83	22	2.59	0.00
L23	78.75 - 73.75	21.70	22	2.58	0.00
L24	73.75 - 68.75	19.06	22	2.45	0.00
L25	68.75 - 65.5	16.59	22	2.29	0.00
L26	65.5 - 65.25	15.07	22	2.17	0.00
L27	65.25 - 60.25	14.96	22	2.16	0.00
L28	60.25 - 58.4	12.77	22	2.01	0.00
L29	58.4 - 58.15	12.01	22	1.94	0.00
L30	58.15 - 57.5	11.91	22	1.94	0.00
L31	57.5 - 57.25	11.64	22	1.92	0.00
L32	57.25 - 52.25	11.54	22	1.91	0.00
L33	52.25 - 49.5	9.63	22	1.74	0.00
L34	49.5 - 49.25	8.65	22	1.64	0.00
L35	49.25 - 44.25	8.57	22	1.64	0.00
L36	44.25 - 41.9	6.94	22	1.48	0.00
L37	41.9 - 41.65	6.23	22	1.40	0.00
L38	41.65 - 40.75	6.16	22	1.38	0.00
L39	40.75 - 40.5	5.90	22	1.35	0.00

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L40	40.5 - 40	5.83	22	1.34	0.00
L41	40 - 39.75	5.69	22	1.32	0.00
L42	39.75 - 39.25	5.62	22	1.32	0.00
L43	39.25 - 39	5.49	22	1.31	0.00
L44	39 - 34	5.42	22	1.30	0.00
L45	34 - 29	4.13	22	1.15	0.00
L46	29 - 24	3.00	22	1.00	0.00
L47	24 - 19.5	2.05	24	0.83	0.00
L48	19.5 - 19.25	1.34	24	0.66	0.00
L49	19.25 - 14.25	1.31	24	0.66	0.00
L50	14.25 - 13	0.71	24	0.48	0.00
L51	13 - 12.75	0.60	24	0.43	0.00
L52	12.75 - 7.75	0.57	24	0.43	0.00
L53	7.75 - 3.67	0.21	24	0.26	0.00
L54	3.67 - 3.42	0.05	24	0.12	0.00
L55	3.42 - 1.5	0.04	24	0.11	0.00
L56	1.5 - 1.25	0.01	24	0.05	0.00
L57	1.25 - 0.5	0.01	24	0.04	0.00
L58	0.5 - 0.25	0.00	24	0.02	0.00
L59	0.25 - 0	0.00	24	0.01	0.00

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
131.00	VHLP2.5-18	22	60.34	3.95	0.01	49886
124.00	LLPX310R-V4 w/ Mount Pipe	22	54.57	3.93	0.01	22748
113.00	DMP65R-BU6D w/ Mount Pipe	22	45.56	3.88	0.01	5148
103.00	MX08FRO665-21 w/ Mount Pipe	22	37.62	3.68	0.00	1931
80.00	Bridge Stiffener (10"x42.25"x1")	22	22.38	2.61	0.00	1712
50.00	KS24019-L112A	22	8.83	1.66	0.00	1689
40.00	Bridge Stiffener (9"x52"x1")	22	5.69	1.32	0.00	1837

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	137 - 132 (1)	P12.75x0.375	5.00	0.00	0.0	14.58	-0.29	459.24	0.001
L2	132 - 127 (2)	P12.75x0.375	5.00	0.00	0.0	14.58	-0.62	459.24	0.001
L3	127 - 125 (3)	P12.75x0.375	2.00	0.00	0.0	14.58	-0.74	459.24	0.002
L4	125 - 120 (4)	P24x0.375	5.00	0.00	0.0	27.83	-5.27	876.73	0.006
L5	120 - 115 (5)	P24x0.375	5.00	0.00	0.0	27.83	-5.88	876.73	0.007
L6	115 - 110 (6)	P24x0.375	5.00	0.00	0.0	27.83	-11.30	876.73	0.013
L7	110 - 105 (7)	P24x0.375	5.00	0.00	0.0	27.83	-11.97	876.73	0.014
L8	105 - 100 (8)	P24x0.375	5.00	0.00	0.0	27.83	-15.70	876.73	0.018
L9	100 - 95 (9)	P24x0.375	5.00	0.00	0.0	27.83	-16.42	876.73	0.019

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L10	95 - 90 (10)	P24x0.375	5.00	0.00	0.0	27.83	-17.17	876.73	0.020
L11	90 - 89.25 (11)	P24x0.375	0.75	0.00	0.0	27.83	-17.28	876.73	0.020
L12	89.25 - 89 (12)	P24x0.5	0.25	0.00	0.0	36.91	-17.33	1162.78	0.015
L13	89 - 85.66 (13)	P24x0.5	3.34	0.00	0.0	36.91	-17.95	1162.78	0.015
L14	85.66 - 85.41 (14)	P24x0.625	0.25	0.00	0.0	45.90	-18.01	1445.75	0.012
L15	85.41 - 81.15 (15)	P24x0.625	4.26	0.00	0.0	45.90	-18.97	1445.75	0.013
L16	81.15 - 80.9 (16)	P24x0.8625	0.25	0.00	0.0	62.69	-19.04	1974.86	0.010
L17	80.9 - 80.5 (17)	P24x0.8625	0.40	0.00	0.0	62.69	-19.14	1974.86	0.010
L18	80.5 - 80.25 (18)	P24x1.225	0.25	0.00	0.0	87.65	-19.21	2760.93	0.007
L19	80.25 - 80 (19)	P24x1.225	0.25	0.00	0.0	87.65	-19.27	2760.93	0.007
L20	80 - 79.75 (20)	P36x0.5	0.25	0.00	0.0	55.76	-19.65	1756.54	0.011
L21	79.75 - 79 (21)	P36x0.5	0.75	0.00	0.0	55.76	-19.84	1756.54	0.011
L22	79 - 78.75 (22)	P36x0.375	0.25	0.00	0.0	41.97	-19.90	1313.82	0.015
L23	78.75 - 73.75 (23)	P36x0.375	5.00	0.00	0.0	41.97	-20.94	1313.82	0.016
L24	73.75 - 68.75 (24)	P36x0.375	5.00	0.00	0.0	41.97	-21.99	1313.82	0.017
L25	68.75 - 65.5 (25)	P36x0.375	3.25	0.00	0.0	41.97	-22.68	1313.82	0.017
L26	65.5 - 65.25 (26)	P36x0.4625	0.25	0.00	0.0	51.64	-22.75	1626.52	0.014
L27	65.25 - 60.25 (27)	P36x0.4625	5.00	0.00	0.0	51.64	-23.98	1626.52	0.015
L28	60.25 - 58.4 (28)	P36x0.4625	1.85	0.00	0.0	51.64	-24.46	1626.52	0.015
L29	58.4 - 58.15 (29)	P36x0.6125	0.25	0.00	0.0	68.09	-24.55	2144.95	0.011
L30	58.15 - 57.5 (30)	P36x0.6125	0.65	0.00	0.0	68.09	-24.76	2144.95	0.012
L31	57.5 - 57.25 (31)	P36x0.5125	0.25	0.00	0.0	57.14	-24.84	1799.82	0.014
L32	57.25 - 52.25 (32)	P36x0.5125	5.00	0.00	0.0	57.14	-26.30	1799.82	0.015
L33	52.25 - 49.5 (33)	P36x0.5125	2.75	0.00	0.0	57.14	-27.18	1799.82	0.015
L34	49.5 - 49.25 (34)	P36x0.625	0.25	0.00	0.0	69.46	-27.27	2187.95	0.012
L35	49.25 - 44.25 (35)	P36x0.625	5.00	0.00	0.0	69.46	-28.90	2187.95	0.013
L36	44.25 - 41.9 (36)	P36x0.625	2.35	0.00	0.0	69.46	-29.68	2187.95	0.014
L37	41.9 - 41.65 (37)	P36x0.5125	0.25	0.00	0.0	57.14	-29.76	1799.82	0.017
L38	41.65 - 40.75 (38)	P36x0.5125	0.90	0.00	0.0	57.14	-30.02	1799.82	0.017
L39	40.75 - 40.5 (39)	P36x0.7375	0.25	0.00	0.0	81.70	-30.11	2573.57	0.012
L40	40.5 - 40 (40)	P36x0.7375	0.50	0.00	0.0	81.70	-30.28	2573.57	0.012
L41	40 - 39.75 (41)	P42x0.6875	0.25	0.00	0.0	89.23	-30.77	2810.70	0.011
L42	39.75 - 39.25 (42)	P42x0.6875	0.50	0.00	0.0	89.23	-30.97	2810.70	0.011
L43	39.25 - 39 (43)	P42x0.5	0.25	0.00	0.0	65.19	-31.05	2053.42	0.015
L44	39 - 34 (44)	P42x0.5	5.00	0.00	0.0	65.19	-32.59	2053.42	0.016
L45	34 - 29 (45)	P42x0.5	5.00	0.00	0.0	65.19	-34.13	2053.42	0.017
L46	29 - 24 (46)	P42x0.5	5.00	0.00	0.0	65.19	-35.69	2053.42	0.017
L47	24 - 19.5 (47)	P42x0.5	4.50	0.00	0.0	65.19	-37.09	2053.42	0.018

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L48	19.5 - 19.25 (48)	P42x0.55	0.25	0.00	0.0	71.62	-37.19	2256.04	0.016
L49	19.25 - 14.25 (49)	P42x0.55	5.00	0.00	0.0	71.62	-38.93	2256.04	0.017
L50	14.25 - 13 (50)	P42x0.55	1.25	0.00	0.0	71.62	-39.38	2256.04	0.017
L51	13 - 12.75 (51)	P42x0.6375	0.25	0.00	0.0	82.84	-39.50	2609.44	0.015
L52	12.75 - 7.75 (52)	P42x0.6375	5.00	0.00	0.0	82.84	-41.61	2609.44	0.016
L53	7.75 - 3.67 (53)	P42x0.6375	4.08	0.00	0.0	82.84	-43.35	2609.44	0.017
L54	3.67 - 3.42 (54)	P42x0.725	0.25	0.00	0.0	94.01	-43.47	2961.32	0.015
L55	3.42 - 1.5 (55)	P42x0.725	1.92	0.00	0.0	94.01	-44.34	2961.32	0.015
L56	1.5 - 1.25 (56)	P42x0.675	0.25	0.00	0.0	87.63	-44.45	2760.43	0.016
L57	1.25 - 0.5 (57)	P42x0.675	0.75	0.00	0.0	87.63	-44.77	2760.43	0.016
L58	0.5 - 0.25 (58)	P42x0.7	0.25	0.00	0.0	90.82	-44.88	2860.94	0.016
L59	0.25 - 0 (59)	P42x0.7	0.25	0.00	0.0	90.82	-44.99	2860.94	0.016

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	137 - 132 (1)	P12.75x0.375	0.42	150.79	0.003	0.00	150.79	0.000
L2	132 - 127 (2)	P12.75x0.375	3.32	150.79	0.022	0.00	150.79	0.000
L3	127 - 125 (3)	P12.75x0.375	4.77	150.79	0.032	0.00	150.79	0.000
L4	125 - 120 (4)	P24x0.375	26.57	538.74	0.049	0.00	538.74	0.000
L5	120 - 115 (5)	P24x0.375	54.32	538.74	0.101	0.00	538.74	0.000
L6	115 - 110 (6)	P24x0.375	111.76	538.74	0.207	0.00	538.74	0.000
L7	110 - 105 (7)	P24x0.375	175.19	538.74	0.325	0.00	538.74	0.000
L8	105 - 100 (8)	P24x0.375	249.36	538.74	0.463	0.00	538.74	0.000
L9	100 - 95 (9)	P24x0.375	331.06	538.74	0.615	0.00	538.74	0.000
L10	95 - 90 (10)	P24x0.375	413.90	538.74	0.768	0.00	538.74	0.000
L11	90 - 89.25 (11)	P24x0.375	426.42	538.74	0.792	0.00	538.74	0.000
L12	89.25 - 89 (12)	P24x0.5	430.60	724.94	0.594	0.00	724.94	0.000
L13	89 - 85.66 (13)	P24x0.5	487.14	724.94	0.672	0.00	724.94	0.000
L14	85.66 - 85.41 (14)	P24x0.625	491.41	896.63	0.548	0.00	896.63	0.000
L15	85.41 - 81.15 (15)	P24x0.625	565.32	896.63	0.630	0.00	896.63	0.000
L16	81.15 - 80.9 (16)	P24x0.8625	569.71	1212.62	0.470	0.00	1212.62	0.000
L17	80.9 - 80.5 (17)	P24x0.8625	576.76	1212.62	0.476	0.00	1212.62	0.000
L18	80.5 - 80.25 (18)	P24x1.225	581.17	1669.56	0.348	0.00	1669.56	0.000
L19	80.25 - 80 (19)	P24x1.225	585.59	1669.56	0.351	0.00	1669.56	0.000
L20	80 - 79.75 (20)	P36x0.5	590.08	1586.55	0.372	0.00	1586.55	0.000
L21	79.75 - 79 (21)	P36x0.5	603.57	1586.55	0.380	0.00	1586.55	0.000
L22	79 - 78.75 (22)	P36x0.375	608.07	1144.59	0.531	0.00	1144.59	0.000
L23	78.75 - 73.75 (23)	P36x0.375	699.34	1144.59	0.611	0.00	1144.59	0.000
L24	73.75 - 68.75 (24)	P36x0.375	792.45	1144.59	0.692	0.00	1144.59	0.000
L25	68.75 - 65.5 (25)	P36x0.375	853.89	1144.59	0.746	0.00	1144.59	0.000
L26	65.5 - 65.25 (26)	P36x0.4625	858.65	1450.93	0.592	0.00	1450.93	0.000
L27	65.25 - 60.25	P36x0.4625	954.64	1450.93	0.658	0.00	1450.93	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
	(27)							
L28	60.25 - 58.4	P36x0.4625	990.75	1450.93	0.683	0.00	1450.93	0.000
	(28)							
L29	58.4 - 58.15	P36x0.6125	995.67	2013.63	0.494	0.00	2013.63	0.000
	(29)							
L30	58.15 - 57.5	P36x0.6125	1008.50	2013.63	0.501	0.00	2013.63	0.000
	(30)							
L31	57.5 - 57.25	P36x0.5125	1013.44	1632.33	0.621	0.00	1632.33	0.000
	(31)							
L32	57.25 - 52.25	P36x0.5125	1113.33	1632.33	0.682	0.00	1632.33	0.000
	(32)							
L33	52.25 - 49.5	P36x0.5125	1169.33	1632.33	0.716	0.00	1632.33	0.000
	(33)							
L34	49.5 - 49.25	P36x0.625	1174.47	2053.28	0.572	0.00	2053.28	0.000
	(34)							
L35	49.25 - 44.25	P36x0.625	1279.03	2053.28	0.623	0.00	2053.28	0.000
	(35)							
L36	44.25 - 41.9	P36x0.625	1329.31	2053.28	0.647	0.00	2053.28	0.000
	(36)							
L37	41.9 - 41.65	P36x0.5125	1334.70	1632.33	0.818	0.00	1632.33	0.000
	(37)							
L38	41.65 - 40.75	P36x0.5125	1354.18	1632.33	0.830	0.00	1632.33	0.000
	(38)							
L39	40.75 - 40.5	P36x0.7375	1359.60	2407.58	0.565	0.00	2407.58	0.000
	(39)							
L40	40.5 - 40 (40)	P36x0.7375	1370.47	2407.58	0.569	0.00	2407.58	0.000
L41	40 - 39.75 (41)	P42x0.6875	1375.97	3048.40	0.451	0.00	3048.40	0.000
L42	39.75 - 39.25	P42x0.6875	1386.98	3048.40	0.455	0.00	3048.40	0.000
	(42)							
L43	39.25 - 39 (43)	P42x0.5	1392.50	2112.71	0.659	0.00	2112.71	0.000
L44	39 - 34 (44)	P42x0.5	1503.63	2112.71	0.712	0.00	2112.71	0.000
L45	34 - 29 (45)	P42x0.5	1616.30	2112.71	0.765	0.00	2112.71	0.000
L46	29 - 24 (46)	P42x0.5	1730.38	2112.71	0.819	0.00	2112.71	0.000
L47	24 - 19.5 (47)	P42x0.5	1834.14	2112.71	0.868	0.00	2112.71	0.000
L48	19.5 - 19.25	P42x0.55	1839.93	2354.93	0.781	0.00	2354.93	0.000
	(48)							
L49	19.25 - 14.25	P42x0.55	1956.36	2354.93	0.831	0.00	2354.93	0.000
	(49)							
L50	14.25 - 13 (50)	P42x0.55	1985.72	2354.93	0.843	0.00	2354.93	0.000
L51	13 - 12.75 (51)	P42x0.6375	1991.61	2791.64	0.713	0.00	2791.64	0.000
L52	12.75 - 7.75	P42x0.6375	2111.06	2791.64	0.756	0.00	2791.64	0.000
	(52)							
L53	7.75 - 3.67 (53)	P42x0.6375	2211.15	2791.64	0.792	0.00	2791.64	0.000
L54	3.67 - 3.42 (54)	P42x0.725	2217.34	3242.55	0.684	0.00	3242.55	0.000
L55	3.42 - 1.5 (55)	P42x0.725	2265.09	3242.55	0.699	0.00	3242.55	0.000
L56	1.5 - 1.25 (56)	P42x0.675	2271.34	2983.72	0.761	0.00	2983.72	0.000
L57	1.25 - 0.5 (57)	P42x0.675	2290.12	2983.72	0.768	0.00	2983.72	0.000
L58	0.5 - 0.25 (58)	P42x0.7	2296.38	3113.41	0.738	0.00	3113.41	0.000
L59	0.25 - 0 (59)	P42x0.7	2302.67	3113.41	0.740	0.00	3113.41	0.000

Pole Shear Design Data

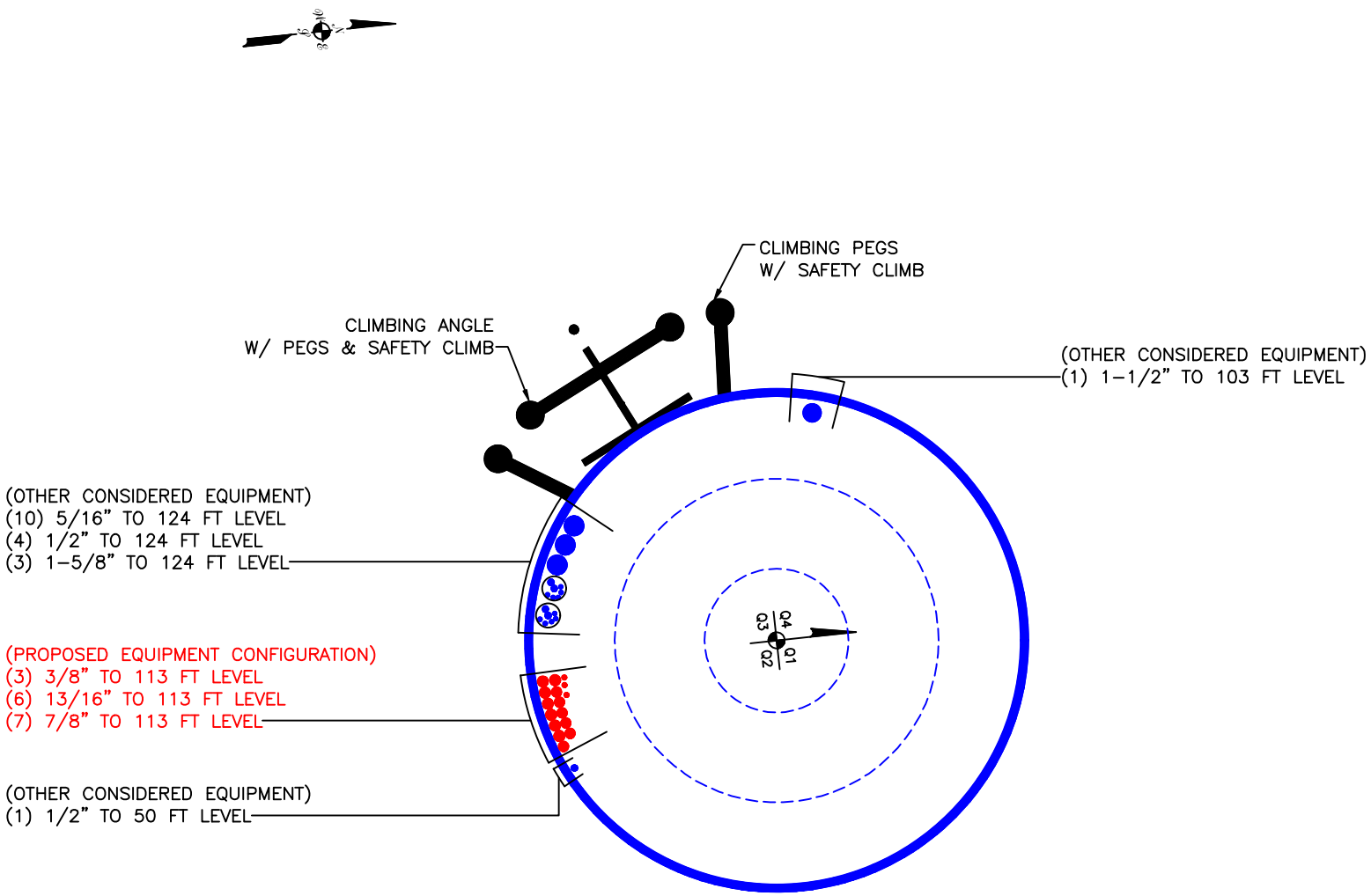
Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	137 - 132 (1)	P12.75x0.375	0.17	137.77	0.001	0.00	149.89	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L2	132 - 127 (2)	P12.75x0.375	0.69	137.77	0.005	0.12	149.89	0.001
L3	127 - 125 (3)	P12.75x0.375	0.76	137.77	0.006	0.12	149.89	0.001
L4	125 - 120 (4)	P24x0.375	5.39	263.02	0.021	0.65	546.31	0.001
L5	120 - 115 (5)	P24x0.375	5.71	263.02	0.022	0.65	546.31	0.001
L6	115 - 110 (6)	P24x0.375	12.54	263.02	0.048	0.11	546.31	0.000
L7	110 - 105 (7)	P24x0.375	12.83	263.02	0.049	0.11	546.31	0.000
L8	105 - 100 (8)	P24x0.375	16.22	263.02	0.062	0.24	546.31	0.000
L9	100 - 95 (9)	P24x0.375	16.46	263.02	0.063	0.24	546.31	0.000
L10	95 - 90 (10)	P24x0.375	16.68	263.02	0.063	0.24	546.31	0.000
L11	90 - 89.25 (11)	P24x0.375	16.71	263.02	0.064	0.24	546.31	0.000
L12	89.25 - 89 (12)	P24x0.5	16.72	348.83	0.048	0.24	720.72	0.000
L13	89 - 85.66 (13)	P24x0.5	17.10	348.83	0.049	0.06	720.72	0.000
L14	85.66 - 85.41 (14)	P24x0.625	17.12	433.72	0.039	0.06	891.34	0.000
L15	85.41 - 81.15 (15)	P24x0.625	17.57	433.72	0.041	0.06	891.34	0.000
L16	81.15 - 80.9 (16)	P24x0.8625	17.59	592.46	0.030	0.06	1205.18	0.000
L17	80.9 - 80.5 (17)	P24x0.8625	17.64	592.46	0.030	0.06	1205.18	0.000
L18	80.5 - 80.25 (18)	P24x1.225	17.66	828.28	0.021	0.06	1658.49	0.000
L19	80.25 - 80 (19)	P24x1.225	17.69	828.28	0.021	0.06	1658.49	0.000
L20	80 - 79.75 (20)	P36x0.5	17.94	526.96	0.034	0.06	1644.71	0.000
L21	79.75 - 79 (21)	P36x0.5	18.00	526.96	0.034	0.06	1644.71	0.000
L22	79 - 78.75 (22)	P36x0.375	18.02	396.61	0.045	0.06	1094.28	0.000
L23	78.75 - 73.75 (23)	P36x0.375	18.44	396.61	0.046	0.24	1094.28	0.000
L24	73.75 - 68.75 (24)	P36x0.375	18.79	396.61	0.047	0.24	1094.28	0.000
L25	68.75 - 65.5 (25)	P36x0.375	19.00	396.61	0.048	0.24	1094.28	0.000
L26	65.5 - 65.25 (26)	P36x0.4625	19.02	487.96	0.039	0.24	1524.57	0.000
L27	65.25 - 60.25 (27)	P36x0.4625	19.36	487.96	0.040	0.24	1524.57	0.000
L28	60.25 - 58.4 (28)	P36x0.4625	19.62	487.96	0.040	0.24	1524.57	0.000
L29	58.4 - 58.15 (29)	P36x0.6125	19.64	643.48	0.031	0.24	2002.02	0.000
L30	58.15 - 57.5 (30)	P36x0.6125	19.74	643.48	0.031	0.24	2002.02	0.000
L31	57.5 - 57.25 (31)	P36x0.5125	19.77	539.95	0.037	0.24	1684.63	0.000
L32	57.25 - 52.25 (32)	P36x0.5125	20.09	539.95	0.037	0.24	1684.63	0.000
L33	52.25 - 49.5 (33)	P36x0.5125	20.51	539.95	0.038	0.24	1684.63	0.000
L34	49.5 - 49.25 (34)	P36x0.625	20.54	656.38	0.031	0.06	2041.43	0.000
L35	49.25 - 44.25 (35)	P36x0.625	21.20	656.38	0.032	0.06	2041.43	0.000
L36	44.25 - 41.9 (36)	P36x0.625	21.51	656.38	0.033	0.06	2041.43	0.000
L37	41.9 - 41.65 (37)	P36x0.5125	21.54	539.95	0.040	0.06	1684.63	0.000
L38	41.65 - 40.75 (38)	P36x0.5125	21.66	539.95	0.040	0.06	1684.63	0.000
L39	40.75 - 40.5 (39)	P36x0.7375	21.68	772.07	0.028	0.06	2393.59	0.000
L40	40.5 - 40 (40)	P36x0.7375	21.75	772.07	0.028	0.06	2393.59	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L41	40 - 39.75 (41)	P42x0.6875	21.99	843.21	0.026	0.06	3062.65	0.000
L42	39.75 - 39.25 (42)	P42x0.6875	22.03	843.21	0.026	0.06	3062.65	0.000
L43	39.25 - 39 (43)	P42x0.5	22.05	616.03	0.036	0.06	2247.64	0.000
L44	39 - 34 (44)	P42x0.5	22.38	616.03	0.036	0.06	2247.64	0.000
L45	34 - 29 (45)	P42x0.5	22.67	616.03	0.037	0.06	2247.64	0.000
L46	29 - 24 (46)	P42x0.5	22.94	616.03	0.037	0.06	2247.64	0.000
L47	24 - 19.5 (47)	P42x0.5	23.16	616.03	0.038	0.06	2247.64	0.000
L48	19.5 - 19.25 (48)	P42x0.55	23.16	676.81	0.034	0.06	2466.46	0.000
L49	19.25 - 14.25 (49)	P42x0.55	23.38	676.81	0.035	0.06	2466.46	0.000
L50	14.25 - 13 (50)	P42x0.55	23.52	676.81	0.035	0.06	2466.46	0.000
L51	13 - 12.75 (51)	P42x0.6375	23.53	782.83	0.030	0.06	2846.79	0.000
L52	12.75 - 7.75 (52)	P42x0.6375	24.27	782.83	0.031	0.14	2846.79	0.000
L53	7.75 - 3.67 (53)	P42x0.6375	24.70	782.83	0.032	0.14	2846.79	0.000
L54	3.67 - 3.42 (54)	P42x0.725	24.71	888.40	0.028	0.14	3223.84	0.000
L55	3.42 - 1.5 (55)	P42x0.725	24.94	888.40	0.028	0.14	3223.84	0.000
L56	1.5 - 1.25 (56)	P42x0.675	24.94	828.13	0.030	0.14	3008.78	0.000
L57	1.25 - 0.5 (57)	P42x0.675	25.02	828.13	0.030	0.14	3008.78	0.000
L58	0.5 - 0.25 (58)	P42x0.7	25.04	858.28	0.029	0.14	3116.44	0.000
L59	0.25 - 0 (59)	P42x0.7	25.06	858.28	0.029	0.14	3116.44	0.000

APPENDIX B

BASE LEVEL DRAWING


CLIMBING PEGS
W/ SAFETY CLIMB
CLIMBING ANGLE
W/ PEGS & SAFETY CLIMB
(OTHER CONSIDERED EQUIPMENT)
(1) 1–1/2" TO 103 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(10) 5/16" TO 124 FT LEVEL
(4) 1/2" TO 124 FT LEVEL
(3) 1–5/8" TO 124 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(3) 3/8" TO 113 FT LEVEL
(6) 13/16" TO 113 FT LEVEL
(7) 7/8" TO 113 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 50 FT LEVEL
Q3
Q4
Q1
Q2

APPENDIX C

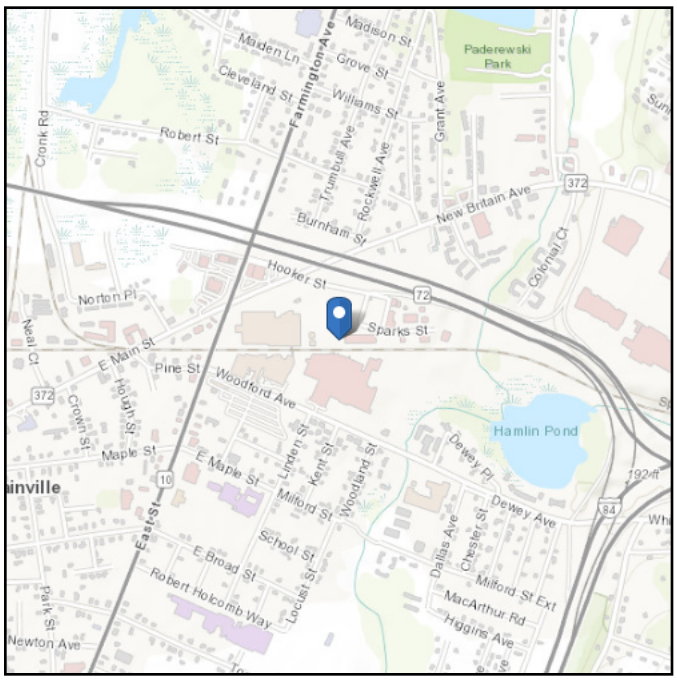
ADDITIONAL CALCULATIONS

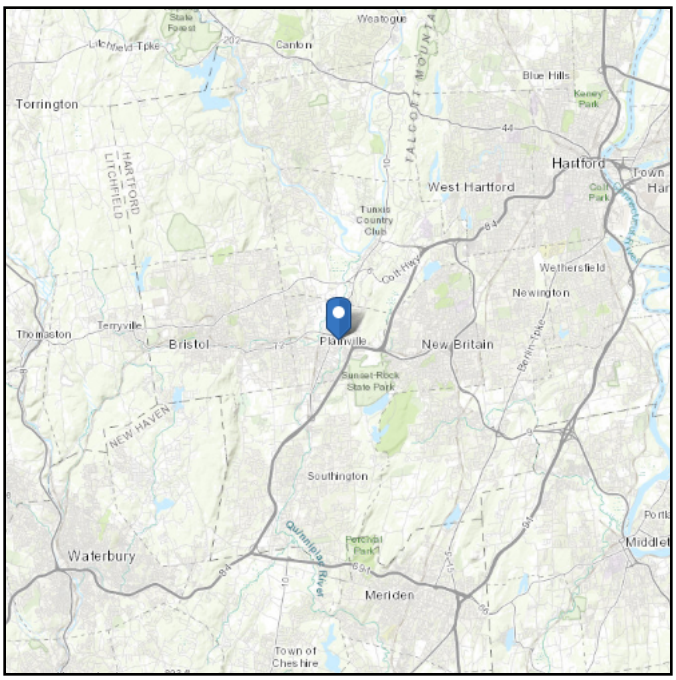
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 189.13 ft (NAVD 88)
Latitude: 41.673478
Longitude: -72.854492


Paderewski Park
Madison St
Maiden Ln
Cleveland St
Grove St
Williams St
Farmington Ave
Grant Ave
Cronk Rd
Robert St
Trumbull Ave
Rockwell Ave
New Britain Ave
372
Burnham St
Colonial Ct
Hooker St
72
Norton Pl
Sparks St
Neal Ct
E Main St
Pine St
Woodford Ave
Hamlin Pond
Crown St
Holyoke St
Maple St
E Maple St
Linden St
Kent St
Woodland St
Dewey Pl
Dewey Ave
Milford St
School St
East St
E Broad St
Robert Holcomb Way
Locust St
Dallas Ave
Chester St
Milford St Ext
MacArthur Rd
Higgins Ave
Park St
Newton Ave
192 ft
84



Wind

Results:

Wind Speed	117 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	97 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: Fri Dec 10 2021

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.

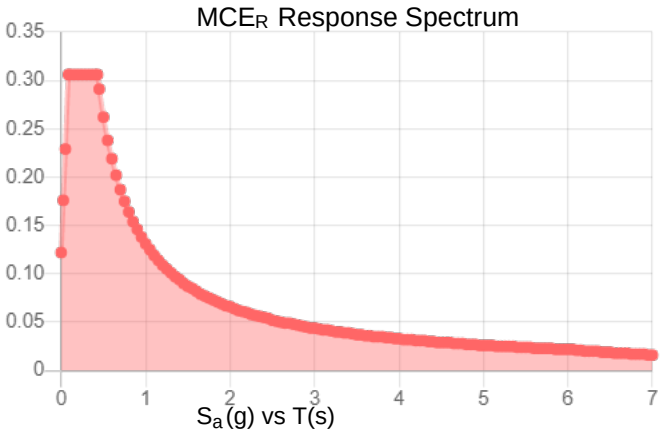
Seismic

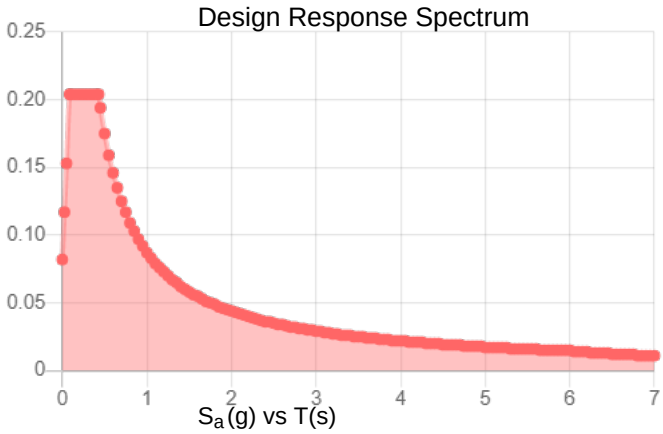
Site Soil Class: D - Default (see Section 11.4.3)

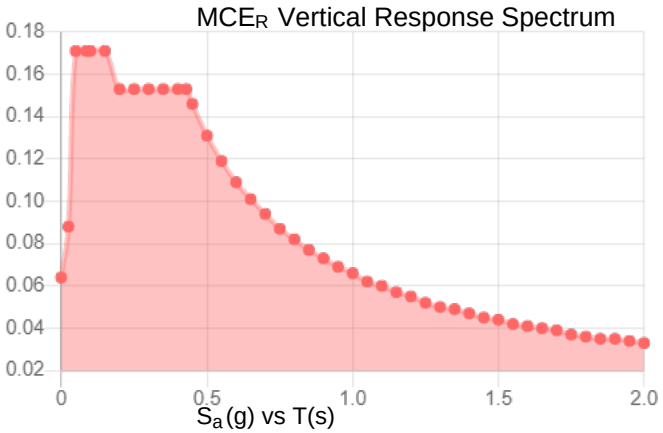
Results:

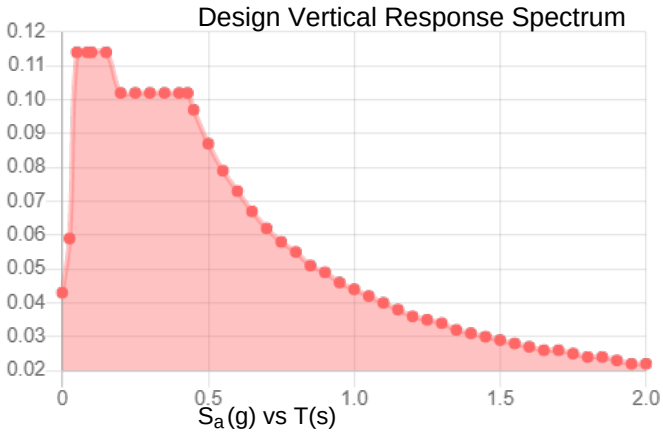
S_S :	0.191	S_{D1} :	0.087
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.104
F_v :	2.4	PGA_M :	0.166
S_{MS} :	0.306	F_{PGA} :	1.592
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.204	C_v :	0.7

Seismic Design Category B









Data Accessed: **Fri Dec 10 2021**

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:	Fri Dec 10 2021

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.

CCIpole

per TIA-222- H

Site BU: 876333

Work Order: 2047110

CROWN CASTLE

Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	137	12		0	12.75	12.75	0.375		A53-B-35
2	125	5		0	24.00	24	0.375		A53-B-35
3	120	40		0	24.00	24	0.375		A53-B-35
4	80	40		0	36.00	36	0.375		A53-B-35
5	40	40		0	42.00	42	0.5		A53-B-35

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	0.5	plate	(ARB) 1.25x4.00	4	10	100	190	280														
2	0.5	13	plate	PL 4.625x1.00	3	80	172	294															
3	41.9	58.4	plate	PL 4.875x1.00	3	84	194	318															
4	81.15	85.66	plate	PL 3.75x0.75	3	79	207	323															
5	0	3.67	plate	(ARB) 1.25x3.00	3	152	222	350															
6	1.5	19.5	plate	CCI-SFP-040075	3				110	204	324												
7	39.25	40	plate	MS-650 (1.25") MOD	3	25	135	255															
8	40	40.75	plate	-650 (1.25") MOD (sh	3	25	135	255															
9	40.75	49.5	plate	MS-400 (1.25")	3	25	135	255															
10	57.5	65.5	plate	CCI-SFP-040075	3	60	180	300															
11	79	80	plate	MS-450 (1.25") MOD	3	25	135	255															
12	80	80.5	plate	-450 (1.25") MOD (sh	3	25	135	255															
13	80.5	89.25	plate	MS-400 (1.25")	3	25	135	255															
14	40	41.9	plate	nife Plate 2.5x1 (50 ks	3	40	160	280															
15	80	81.15	plate	nife Plate 5.5x1 (50 ks	3	40	160	280															
16																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	1.25	3.25	4.0625	2.375	Welded	n/a	None	n/a	0.000	4.063	0.0000	A572-65
2	4.625	1	4.625	0.5	Welded	n/a	PC 8.8 - M20 (100)	15.000	12.000	3.375	1.1875	A572-50
3	4.875	1	4.875	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	18.000	3.625	1.1875	A572-50
4	3.75	0.75	2.8125	0.375	PC 8.8 - M20 (100)	9	PC 8.8 - M20 (100)	12.000	18.000	1.875	1.1875	A572-50
5	1.25	2.25	2.8125	1.875	Welded	n/a	None	n/a	0.000	2.813	0.0000	A572-65
6	4	0.75	3	0.375	PC 8.8 - M20 (100)	12	PC 8.8 - M20 (100)	12.000	16.000	2.063	1.1875	A572-65
7	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	42	None	n/a	18.000	6.484	1.2500	A572-65
8	6.5	1.25	8.125	3.625	None	n/a	PC 8.8 - M20 (100)	42.000	18.000	6.484	1.2500	A572-65
9	4	0.75	3	0.375	PC 8.8 - M20 (100)	12	PC 8.8 - M20 (100)	12.000	16.875	2.016	1.2500	A572-65
10	4	0.75	3	0.375	PC 8.8 - M20 (100)	12	PC 8.8 - M20 (100)	12.000	16.000	2.063	1.1875	A572-65
11	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	30	None	n/a	18.000	3.188	1.2500	A572-65
12	4.5	1	4.5	6.5	None	n/a	PC 8.8 - M20 (100)	30.000	18.000	3.188	1.2500	A572-65
13	4	0.75	3	0.375	PC 8.8 - M20 (100)	12	PC 8.8 - M20 (100)	12.000	16.875	2.016	1.2500	A572-65
14	1	1.75	1.75	1.625	Welded	n/a	Welded	n/a	0.750	1.750	0.0000	A572-50
15	1	4.75	4.75	3.125	Welded	n/a	Welded	n/a	0.750	4.750	0.0000	A572-50

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
(ARB) 1.25x4.00	Top	0	0	0	0	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	CJP Groove	65	0.625	45	0.625	-	-	-
PL 4.625x1.00	Top	5	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	None	-	-	-	-	12	0.375	-
PL 4.875x1.00	Top	6	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	6	N	3	3	-	-	-	-	-	-	-	-	-
PL 3.75x0.75	Top	4	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	3	N	3	3	-	-	-	-	-	-	-	-	-
(ARB) 1.25x3.00	Top	0	0	0	0	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	CJP Groove	5.5	0.625	45	0.625	-	-	-
MS-650 (1.25") MOD	Top	0	0	0	0	-	-	-	-	-	-	-	-	-
	Bottom	14	N	3	3	-	-	-	-	-	-	-	-	-
MS-650 (1.25") MOD (shim)	Top	14	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	0	0	0	-	-	0	-	-	-
MS-450 (1.25") MOD	Top	0	0	0	0	-	-	-	-	-	-	-	-	-
	Bottom	10	N	3	3	-	-	-	-	-	-	-	-	-
MS-450 (1.25") MOD (shim)	Top	10	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	0	0	0	-	-	0	-	-	-
Knife Plate 2.5x1 (50 ksi)	Top	-	-	-	-	70	None	-	-	-	-	6	0.375	-
	Bottom	-	-	-	-	70	PJP Groove	3.5	0.375	45	0.375	-	-	-
Knife Plate 5.5x1 (50 ksi)	Top	-	-	-	-	70	None	-	-	-	-	14	0.375	-
	Bottom	-	-	-	-	70	PJP Groove	9.5	0.375	45	0.375	-	-	-
(ARB) 1.25x4.00	Top	0	0	0	0	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	CJP Groove	65	0.625	45	0.625	-	-	-

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	137 - 132	5		0	12.750	12.750	0.375	A53-B-35	1.000
2	132 - 127	5		0	12.750	12.750	0.375	A53-B-35	1.000
3	127 - 125	2	0	0	12.750	12.750	0.375	A53-B-35	1.000
4	125 - 120	5	0	0	24.000	24.000	0.375	A53-B-35	1.000
5	120 - 115	5		0	24.000	24.000	0.375	A53-B-35	1.000
6	115 - 110	5		0	24.000	24.000	0.375	A53-B-35	1.000
7	110 - 105	5		0	24.000	24.000	0.375	A53-B-35	1.000
8	105 - 100	5		0	24.000	24.000	0.375	A53-B-35	1.000
9	100 - 95	5		0	24.000	24.000	0.375	A53-B-35	1.000
10	95 - 90	5		0	24.000	24.000	0.375	A53-B-35	1.000
11	90 - 89.25	0.75		0	24.000	24.000	0.375	A53-B-35	1.000
12	89.25 - 89	0.25		0	24.000	24.000	0.5	A53-B-35	0.998
13	89 - 85.66	3.34		0	24.000	24.000	0.5	A53-B-35	0.998
14	85.66 - 85.41	0.25		0	24.000	24.000	0.625	A53-B-35	0.986
15	85.41 - 81.15	4.26		0	24.000	24.000	0.625	A53-B-35	0.986
16	81.15 - 80.9	0.25		0	24.000	24.000	0.8625	A53-B-35	0.815
17	80.9 - 80.5	0.4		0	24.000	24.000	0.8625	A53-B-35	0.815
18	80.5 - 80.25	0.25		0	24.000	24.000	1.225	A53-B-35	0.634
19	80.25 - 80	0.25	0	0	24.000	24.000	1.225	A53-B-35	0.634
20	80 - 79.75	0.25		0	36.000	36.000	0.5	A53-B-35	0.995
21	79.75 - 79	0.75		0	36.000	36.000	0.5	A53-B-35	0.995
22	79 - 78.75	0.25		0	36.000	36.000	0.375	A53-B-35	1.000
23	78.75 - 73.75	5		0	36.000	36.000	0.375	A53-B-35	1.000
24	73.75 - 68.75	5		0	36.000	36.000	0.375	A53-B-35	1.000
25	68.75 - 65.5	3.25		0	36.000	36.000	0.375	A53-B-35	1.000
26	65.5 - 65.25	0.25		0	36.000	36.000	0.4625	A53-B-35	0.987
27	65.25 - 60.25	5		0	36.000	36.000	0.4625	A53-B-35	0.987
28	60.25 - 58.4	1.85		0	36.000	36.000	0.4625	A53-B-35	0.987
29	58.4 - 58.15	0.25		0	36.000	36.000	0.6125	A53-B-35	0.963
30	58.15 - 57.5	0.65		0	36.000	36.000	0.6125	A53-B-35	0.963
31	57.5 - 57.25	0.25		0	36.000	36.000	0.5125	A53-B-35	0.991
32	57.25 - 52.25	5		0	36.000	36.000	0.5125	A53-B-35	0.991
33	52.25 - 49.5	2.75		0	36.000	36.000	0.5125	A53-B-35	0.991
34	49.5 - 49.25	0.25		0	36.000	36.000	0.625	A53-B-35	0.944
35	49.25 - 44.25	5		0	36.000	36.000	0.625	A53-B-35	0.944
36	44.25 - 41.9	2.35		0	36.000	36.000	0.625	A53-B-35	0.944
37	41.9 - 41.65	0.25		0	36.000	36.000	0.5125	A53-B-35	0.984
38	41.65 - 40.75	0.9		0	36.000	36.000	0.5125	A53-B-35	0.984
39	40.75 - 40.5	0.25		0	36.000	36.000	0.7375	A53-B-35	0.876
40	40.5 - 40	0.5	0	0	36.000	36.000	0.7375	A53-B-35	0.876
41	40 - 39.75	0.25		0	42.000	42.000	0.6875	A53-B-35	1.004
42	39.75 - 39.25	0.5		0	42.000	42.000	0.6875	A53-B-35	1.004
43	39.25 - 39	0.25		0	42.000	42.000	0.5	A53-B-35	1.000
44	39 - 34	5		0	42.000	42.000	0.5	A53-B-35	1.000
45	34 - 29	5		0	42.000	42.000	0.5	A53-B-35	1.000
46	29 - 24	5		0	42.000	42.000	0.5	A53-B-35	1.000
47	24 - 19.5	4.5		0	42.000	42.000	0.5	A53-B-35	1.000
48	19.5 - 19.25	0.25		0	42.000	42.000	0.55	A53-B-35	1.036
49	19.25 - 14.25	5		0	42.000	42.000	0.55	A53-B-35	1.036
50	14.25 - 13	1.25		0	42.000	42.000	0.55	A53-B-35	1.036
51	13 - 12.75	0.25		0	42.000	42.000	0.6375	A53-B-35	1.063
52	12.75 - 7.75	5		0	42.000	42.000	0.6375	A53-B-35	1.063
53	7.75 - 3.67	4.08		0	42.000	42.000	0.6375	A53-B-35	1.063
54	3.67 - 3.42	0.25		0	42.000	42.000	0.725	A53-B-35	1.026
55	3.42 - 1.5	1.92		0	42.000	42.000	0.725	A53-B-35	1.026
56	1.5 - 1.25	0.25		0	42.000	42.000	0.675	A53-B-35	0.998
57	1.25 - 0.5	0.75		0	42.000	42.000	0.675	A53-B-35	0.998
58	0.5 - 0.25	0.25		0	42.000	42.000	0.7	A53-B-35	0.990
59	0.25 - 0	0.25		0	42.000	42.000	0.7	A53-B-35	0.990

TNX Section Forces

Increment (ft): 5

	Section Height (ft)	TNX Output P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	137 - 132	0.29	0.42	0.17
2	132 - 127	0.63	3.44	0.68
3	127 - 125	0.74	4.87	0.75
4	125 - 120	5.28	26.64	5.33
5	120 - 115	5.88	54.11	5.71
6	115 - 110	11.30	111.67	12.54
7	110 - 105	11.97	175.10	12.83
8	105 - 100	15.70	249.30	16.22
9	100 - 95	16.42	330.99	16.46
10	95 - 90	17.17	413.84	16.68
11	90 - 89.25	17.28	426.35	16.71
12	89.25 - 89	17.33	430.53	16.72
13	89 - 85.66	17.95	487.04	17.10
14	85.66 - 85.41	18.01	491.32	17.12
15	85.41 - 81.15	18.97	565.22	17.57
16	81.15 - 80.9	19.04	569.62	17.59
17	80.9 - 80.5	19.14	576.67	17.64
18	80.5 - 80.25	19.21	581.08	17.66
19	80.25 - 80	19.27	585.50	17.69
20	80 - 79.75	19.65	589.98	17.94
21	79.75 - 79	19.84	603.47	18.00
22	79 - 78.75	19.90	607.98	18.02
23	78.75 - 73.75	20.94	699.27	18.44
24	73.75 - 68.75	21.99	792.39	18.79
25	68.75 - 65.5	22.68	853.83	19.00
26	65.5 - 65.25	22.75	858.58	19.02
27	65.25 - 60.25	23.98	954.58	19.36
28	60.25 - 58.4	24.46	990.69	19.62
29	58.4 - 58.15	24.55	995.60	19.64
30	58.15 - 57.5	24.76	1008.43	19.74
31	57.5 - 57.25	24.84	1013.38	19.77
32	57.25 - 52.25	26.30	1113.26	20.09
33	52.25 - 49.5	27.18	1169.27	20.51
34	49.5 - 49.25	27.27	1174.41	20.54
35	49.25 - 44.25	28.90	1278.96	21.20
36	44.25 - 41.9	29.68	1329.24	21.51
37	41.9 - 41.65	29.76	1334.63	21.54
38	41.65 - 40.75	30.01	1354.11	21.66
39	40.75 - 40.5	30.11	1359.53	21.68
40	40.5 - 40	30.28	1370.40	21.75
41	40 - 39.75	30.77	1375.90	21.99
42	39.75 - 39.25	30.97	1386.92	22.03
43	39.25 - 39	31.05	1392.43	22.05
44	39 - 34	32.59	1503.56	22.38
45	34 - 29	34.13	1616.23	22.67
46	29 - 24	35.69	1730.32	22.94
47	24 - 19.5	37.09	1834.08	23.16
48	19.5 - 19.25	37.19	1839.87	23.16
49	19.25 - 14.25	38.93	1956.29	23.38
50	14.25 - 13	39.38	1985.65	23.52
51	13 - 12.75	39.50	1991.54	23.53
52	12.75 - 7.75	41.61	2111.04	24.27
53	7.75 - 3.67	43.35	2211.13	24.70
54	3.67 - 3.42	43.47	2217.32	24.71
55	3.42 - 1.5	44.34	2265.07	24.94
56	1.5 - 1.25	44.45	2271.32	24.94
57	1.25 - 0.5	44.77	2290.10	25.02
58	0.5 - 0.25	44.88	2296.37	25.04
59	0.25 - 0	44.99	2302.64	25.06

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
137 - 132	Pole	TP12.75x12.75x0.375	Pole	0.3%	Pass
132 - 127	Pole	TP12.75x12.75x0.375	Pole	2.3%	Pass
127 - 125	Pole	TP12.75x12.75x0.375	Pole	3.2%	Pass
125 - 120	Pole	TP24x24x0.375	Pole	5.3%	Pass
120 - 115	Pole	TP24x24x0.375	Pole	10.2%	Pass
115 - 110	Pole	TP24x24x0.375	Pole	21.2%	Pass
110 - 105	Pole	TP24x24x0.375	Pole	32.5%	Pass
105 - 100	Pole	TP24x24x0.375	Pole	46.1%	Pass
100 - 95	Pole	TP24x24x0.375	Pole	60.7%	Pass
95 - 90	Pole	TP24x24x0.375	Pole	75.4%	Pass
90 - 89.25	Pole	TP24x24x0.375	Pole	77.6%	Pass
89.25 - 89	Pole + Reinf.	TP24x24x0.5	Pole	59.8%	Pass
89 - 85.66	Pole + Reinf.	TP24x24x0.5	Pole	67.6%	Pass
85.66 - 85.41	Pole + Reinf.	TP24x24x0.625	Reinf. 4 Tension Rupture	68.8%	Pass
85.41 - 81.15	Pole + Reinf.	TP24x24x0.625	Reinf. 4 Tension Rupture	79.1%	Pass
81.15 - 80.9	Pole + Reinf.	TP24x24x0.8625	Reinf. 15 Compression	52.8%	Pass
80.9 - 80.5	Pole + Reinf.	TP24x24x0.8625	Reinf. 15 Compression	53.5%	Pass
80.5 - 80.25	Pole + Reinf.	TP24x24x1.225	Reinf. 12 Tension Rupture	51.0%	Pass
80.25 - 80	Pole + Reinf.	TP24x24x1.225	Reinf. 15 Weldment	60.6%	Pass
80 - 79.75	Pole + Reinf.	TP36x36x0.5	Pole	38.9%	Pass
79.75 - 79	Pole + Reinf.	TP36x36x0.5	Pole	39.8%	Pass
79 - 78.75	Pole	TP36x36x0.375	Pole	52.2%	Pass
78.75 - 73.75	Pole	TP36x36x0.375	Pole	59.9%	Pass
73.75 - 68.75	Pole	TP36x36x0.375	Pole	67.7%	Pass
68.75 - 65.5	Pole	TP36x36x0.375	Pole	72.9%	Pass
65.5 - 65.25	Pole + Reinf.	TP36x36x0.4625	Pole	59.5%	Pass
65.25 - 60.25	Pole + Reinf.	TP36x36x0.4625	Pole	66.1%	Pass
60.25 - 58.4	Pole + Reinf.	TP36x36x0.4625	Pole	68.5%	Pass
58.4 - 58.15	Pole + Reinf.	TP36x36x0.6125	Reinf. 3 Tension Rupture	55.6%	Pass
58.15 - 57.5	Pole + Reinf.	TP36x36x0.6125	Reinf. 3 Tension Rupture	56.3%	Pass
57.5 - 57.25	Pole + Reinf.	TP36x36x0.5125	Reinf. 3 Tension Rupture	66.1%	Pass
57.25 - 52.25	Pole + Reinf.	TP36x36x0.5125	Reinf. 3 Tension Rupture	72.6%	Pass
52.25 - 49.5	Pole + Reinf.	TP36x36x0.5125	Reinf. 3 Tension Rupture	76.2%	Pass
49.5 - 49.25	Pole + Reinf.	TP36x36x0.625	Reinf. 3 Tension Rupture	65.7%	Pass
49.25 - 44.25	Pole + Reinf.	TP36x36x0.625	Reinf. 3 Tension Rupture	71.5%	Pass
44.25 - 41.9	Pole + Reinf.	TP36x36x0.625	Reinf. 3 Tension Rupture	74.3%	Pass
41.9 - 41.65	Pole + Reinf.	TP36x36x0.5125	Pole	84.1%	Pass
41.65 - 40.75	Pole + Reinf.	TP36x36x0.5125	Pole	85.3%	Pass
40.75 - 40.5	Pole + Reinf.	TP36x36x0.7375	Pole	61.2%	Pass
40.5 - 40	Pole + Reinf.	TP36x36x0.7375	Reinf. 14 Weldment	81.0%	Pass
40 - 39.75	Pole + Reinf.	TP42x42x0.6875	Pole	47.0%	Pass
39.75 - 39.25	Pole + Reinf.	TP42x42x0.6875	Pole	47.4%	Pass
39.25 - 39	Pole	TP42x42x0.5	Pole	64.3%	Pass
39 - 34	Pole	TP42x42x0.5	Pole	69.4%	Pass
34 - 29	Pole	TP42x42x0.5	Pole	74.6%	Pass
29 - 24	Pole	TP42x42x0.5	Pole	79.8%	Pass
24 - 19.5	Pole	TP42x42x0.5	Pole	84.5%	Pass
19.5 - 19.25	Pole + Reinf.	TP42x42x0.55	Pole	77.7%	Pass
19.25 - 14.25	Pole + Reinf.	TP42x42x0.55	Pole	82.6%	Pass
14.25 - 13	Pole + Reinf.	TP42x42x0.55	Pole	83.8%	Pass
13 - 12.75	Pole + Reinf.	TP42x42x0.6375	Pole	73.7%	Pass
12.75 - 7.75	Pole + Reinf.	TP42x42x0.6375	Pole	78.1%	Pass
7.75 - 3.67	Pole + Reinf.	TP42x42x0.6375	Pole	81.8%	Pass
3.67 - 3.42	Pole + Reinf.	TP42x42x0.725	Reinf. 2 Tension Rupture	78.1%	Pass
3.42 - 1.5	Pole + Reinf.	TP42x42x0.725	Reinf. 2 Tension Rupture	79.7%	Pass
1.5 - 1.25	Pole + Reinf.	TP42x42x0.675	Reinf. 2 Tension Rupture	86.7%	Pass
1.25 - 0.5	Pole + Reinf.	TP42x42x0.675	Reinf. 2 Tension Rupture	87.4%	Pass
0.5 - 0.25	Pole + Reinf.	TP42x42x0.7	Pole	77.7%	Pass
0.25 - 0	Pole + Reinf.	TP42x42x0.7	Pole	77.9%	Pass
				Summary	
			Pole	85.3%	Pass
			Reinforcement	87.4%	Pass
			Overall	87.4%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*														
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
137 - 132	279	n/a	279	14.58	n/a	14.58	0.3%															
132 - 127	279	n/a	279	14.58	n/a	14.58	2.3%															
127 - 125	279	n/a	279	14.58	n/a	14.58	3.2%															
125 - 120	1942	n/a	1942	27.83	n/a	27.83	5.3%															
120 - 115	1942	n/a	1942	27.83	n/a	27.83	10.2%															
115 - 110	1942	n/a	1942	27.83	n/a	27.83	21.2%															
110 - 105	1942	n/a	1942	27.83	n/a	27.83	32.5%															
105 - 100	1942	n/a	1942	27.83	n/a	27.83	46.1%															
100 - 95	1942	n/a	1942	27.83	n/a	27.83	60.7%															
95 - 90	1942	n/a	1942	27.83	n/a	27.83	75.4%															
90 - 89.25	1942	n/a	1942	27.83	n/a	27.83	77.6%															
89.25 - 89	1943	616	2559	27.83	9.00	36.83	59.8%													59.3%		
89 - 85.66	1943	616	2559	27.83	9.00	36.83	67.6%													67.0%		
85.66 - 85.41	1942	1223	3165	27.83	17.44	45.27	54.6%				68.8%									55.2%		
85.41 - 81.15	1942	1223	3165	27.83	17.44	45.27	62.7%				79.1%									63.4%		
81.15 - 80.9	1942	2261	4203	27.83	23.25	51.08	47.9%													47.9%		52.8%
80.9 - 80.5	1942	2261	4203	27.83	23.25	51.08	48.4%													48.5%		53.5%
80.5 - 80.25	1944	3731	5675	27.83	27.75	55.58	36.7%												51.0%			40.0%
80.25 - 80	1943	3702	5645	27.83	27.75	55.58	37.0%												51.4%			60.6%
80 - 79.75	6661	2056	8717	41.97	13.50	55.47	38.9%											34.0%				
79.75 - 79	6661	2056	8717	41.97	13.50	55.47	39.8%											34.8%				
79 - 78.75	6659	n/a	6659	41.97	n/a	41.97	52.2%															
78.75 - 73.75	6659	n/a	6659	41.97	n/a	41.97	59.9%															
73.75 - 68.75	6659	n/a	6659	41.97	n/a	41.97	67.7%															
68.75 - 65.5	6659	n/a	6659	41.97	n/a	41.97	72.9%															
65.5 - 65.25	6659	1526	8185	41.97	9.00	50.97	59.5%										54.8%					
65.25 - 60.25	6659	1526	8185	41.97	9.00	50.97	66.1%										60.8%					
60.25 - 58.4	6659	1526	8185	41.97	9.00	50.97	68.5%										63.1%					
58.4 - 58.15	6660	3917	10576	41.97	23.63	65.59	53.6%			55.6%							49.4%					
58.15 - 57.5	6660	3917	10576	41.97	23.63	65.59	54.3%			56.3%							50.1%					
57.5 - 57.25	6660	2391	9051	41.97	14.63	56.59	63.9%			66.1%												
57.25 - 52.25	6660	2391	9051	41.97	14.63	56.59	70.2%			72.6%												
52.25 - 49.5	6660	2391	9051	41.97	14.63	56.59	73.7%			76.2%												
49.5 - 49.25	6663	4140	10804	41.97	23.63	65.59	62.5%			65.7%						59.6%						
49.25 - 44.25	6663	4140	10804	41.97	23.63	65.59	68.1%			71.5%						64.8%						
44.25 - 41.9	6663	4140	10804	41.97	23.63	65.59	70.7%			74.3%						67.4%						
41.9 - 41.65	6660	2363	9023	41.97	14.25	56.22	84.1%									77.6%					74.9%	
41.65 - 40.75	6660	2363	9023	41.97	14.25	56.22	85.3%									78.8%					76.0%	
40.75 - 40.5	6663	6098	12762	41.97	29.63	71.59	61.2%								54.6%						53.4%	
40.5 - 40	6662	6102	12764	41.97	29.63	71.59	61.5%								55.0%						81.0%	
40 - 39.75	14040	5088	19128	65.19	24.38	89.56	47.0%							37.2%								
39.75 - 39.25	14040	5088	19128	65.19	24.38	89.56	47.4%							37.5%								
39.25 - 39	14036	n/a	14036	65.19	n/a	65.19	64.3%															
39 - 34	14036	n/a	14036	65.19	n/a	65.19	69.4%															
34 - 29	14036	n/a	14036	65.19	n/a	65.19	74.6%															
29 - 24	14036	n/a	14036	65.19	n/a	65.19	79.8%															
24 - 19.5	14036	n/a	14036	65.19	n/a	65.19	84.5%															
19.5 - 19.25	14042	1468	15510	65.19	9.00	74.19	77.7%						69.6%									
19.25 - 14.25	14042	1468	15510	65.19	9.00	74.19	82.6%						73.9%									
14.25 - 13	14042	1468	15510	65.19	9.00	74.19	83.8%						75.0%									
13 - 12.75	14058	3830	17888	65.19	22.88	88.06	73.7%		73.3%				65.1%									
12.75 - 7.75	14058	3830	17888	65.19	22.88	88.06	78.1%		77.6%				69.0%									
7.75 - 3.67	14058	3830	17888	65.19	22.88	88.06	81.8%		81.3%				72.3%									
3.67 - 3.42	14049	6051	20100	65.19	31.31	96.50	72.7%		78.1%			49.0%	62.0%									
3.42 - 1.5	14049	6051	20100	65.19	31.31	96.50	74.3%		79.7%			50.0%	63.4%									
1.5 - 1.25	14041	4568	18608	65.19	22.31	87.50	79.9%		86.7%			54.6%										
1.25 - 0.5	14041	4568	18608	65.19	22.31	87.50	80.6%		87.4%			55.0%										
0.5 - 0.25	14043	5485	19529	65.19	24.69	89.88	77.7%	56.1%				51.0%										
0.25 - 0	14043	5485	19529	65.19	24.69	89.88	77.9%	56.2%				51.1%										

Note: Section capacity checked assuming all reinforcements are effective and using 5 degree increments.
Rating per TIA-222-H Section 15.5.

Monopole Flange Plate Connection

Elevation = 120 ft.

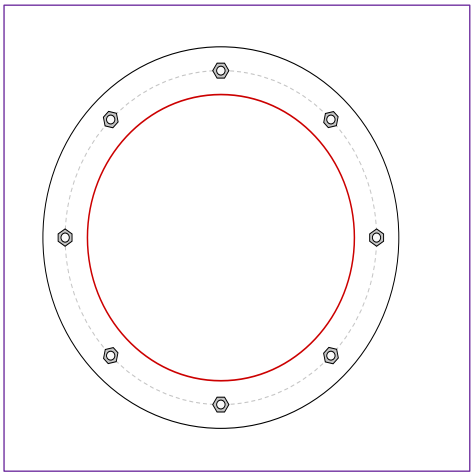
BU #	876333
Site Name	Creative Dimensions
Order #	586251 Rev. 0

TIA-222 Revision	H

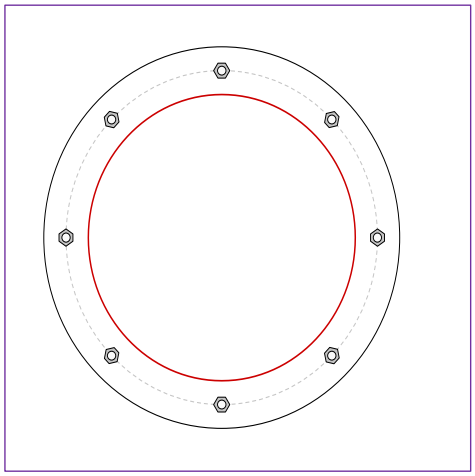
Applied Loads	
Moment (kip-ft)	26.64
Axial Force (kips)	5.28
Shear Force (kips)	5.33

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(8) 3/4" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 28" BC

Top Plate Data

32" OD x 0.75" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

32" OD x 0.75" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

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

Bottom Pole Data

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

Analysis Results

Bolt Capacity

Max Load (kips)	5.05	
Allowable (kips)	30.04	
Stress Rating:	**16.0%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	6.28	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**18.5%**	**Pass**
Tension Side Stress Rating:	**6.4%**	**Pass**

Bottom Plate Capacity

Max Stress (ksi):	6.28	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**18.5%**	**Pass**
Tension Side Stress Rating:	**6.4%**	**Pass**

Monopole Flange Plate Connection

Elevation = 80 ft.

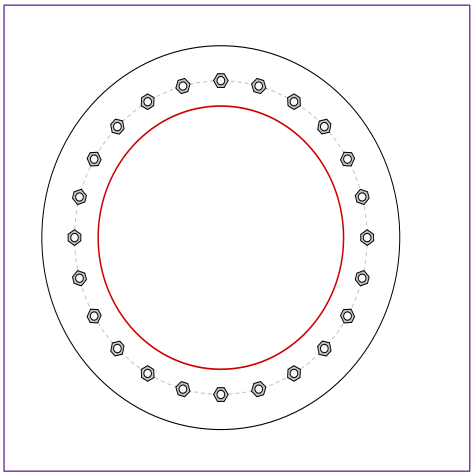
BU #	876333
Site Name	Creative Dimensions
Order #	586251 Rev. 0

TIA-222 Revision	H

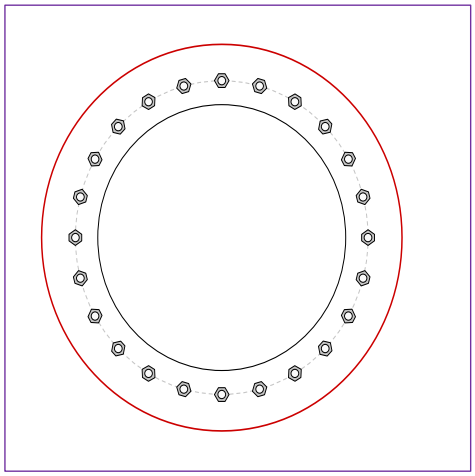
Applied Loads	
Moment (kip-ft)	201.53
Axial Force (kips)	9.65
Shear Force (kips)	8.86

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(24) 3/4" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 28.625" BC

Top Plate Data

35" OD x 1.875" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

24.25" ID x 1.875" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

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

Bottom Pole Data

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

Analysis Results

Bolt Capacity

Max Load (kips)	13.67	
Allowable (kips)	30.05	
Stress Rating:	**43.3%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	6.98	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**20.5%**	**Pass**
Tension Side Stress Rating:	**10.0%**	**Pass**

Bottom Plate Capacity

Max Stress (ksi):	11.83	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**34.8%**	**Pass**
Tension Side Stress Rating:	**N/A**	

Monopole Flange Plate Connection

Elevation = 40 ft.

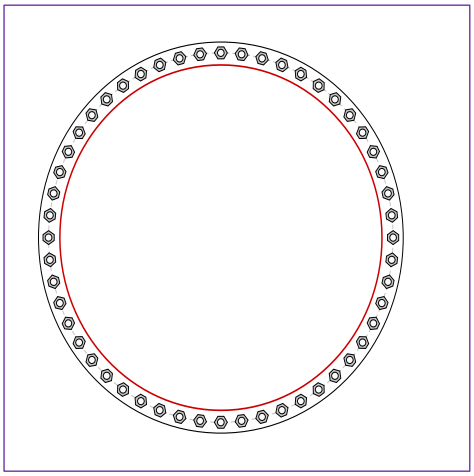
BU #	876333
Site Name	Creative Dimensions
Order #	586251 Rev. 0

TIA-222 Revision	H

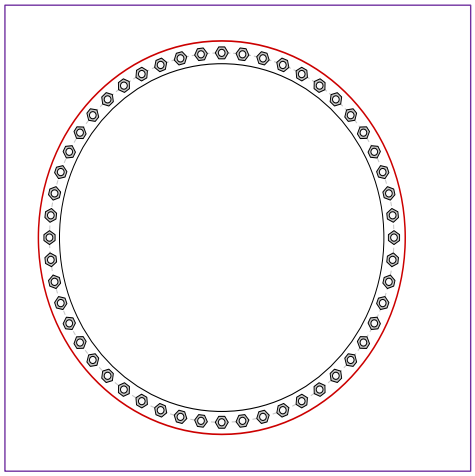
Applied Loads	
Moment (kip-ft)	715.26
Axial Force (kips)	17.75
Shear Force (kips)	12.75

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(52) 3/4" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 38.5" BC

Top Plate Data

40.75" OD x 1.75" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

36.25" ID x 1.75" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

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

Bottom Pole Data

42" x 0.5" round pole (A53-B-35; Fy=35 ksi, Fu=60 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	16.81	
Allowable (kips)	30.06	
Stress Rating:	**53.2%**	Pass

Top Plate Capacity

Max Stress (ksi):	8.35	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**24.5%**	Pass
Tension Side Stress Rating:	**9.9%**	Pass

Bottom Plate Capacity

Max Stress (ksi):	11.53	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**33.9%**	Pass
Tension Side Stress Rating:	**N/A**	

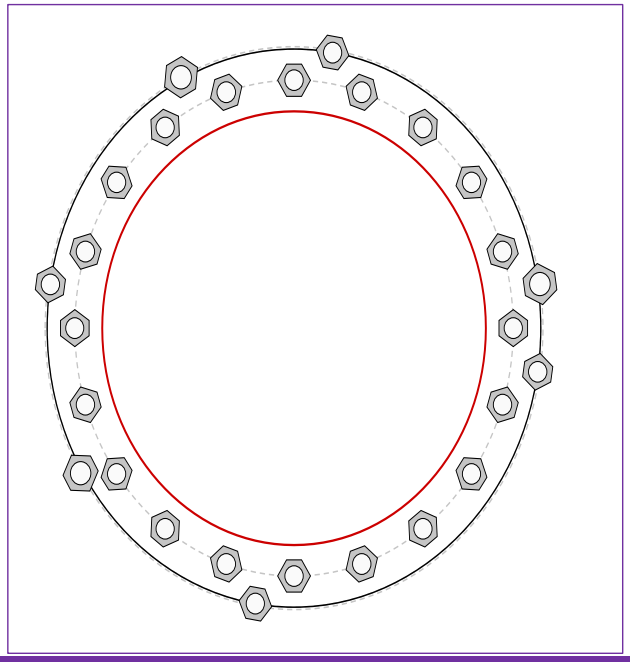
Monopole Base Plate Connection

Site Info	
BU #	876333
Site Name	Creative Dimensions
Order #	586251 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
l_{ar} (in)	See Custom Sheet

Applied Loads	
Moment (kip-ft)	2302.64
Axial Force (kips)	44.99
Shear Force (kips)	25.06

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (20) 2" ø bolts (A36 N; Fy=36 ksi, Fu=58 ksi) on 48" BC
GROUP 2: (4) 2" ø bolts (A193 Gr. B7 (Reduced) N; Fy=56.8538 ksi, Fu=67.6831 ksi) on 54
GROUP 3: (3) 2-1/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 54.5" BC
pos. (deg): 9, 117, 211

Base Plate Data

54" OD x 2.5" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Stiffener Data

N/A

Pole Data

42" x 0.5" round pole (A53-B-35; Fy=35 ksi, Fu=60 ksi)

Analysis Results

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

GROUP 1:			
	Pu_c = 85.42	ϕPn_c = 101.79	**Stress Rating**
	Vu = 1.25	ϕVn = 45.8	**80.0%**
	Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:			
	Pu_t = 91.83	ϕPn_t = 126.91	**Stress Rating**
	Vu = 0	ϕVn = 79.74	**68.9%**
	Mu = n/a	ϕMn = n/a	**Pass**
GROUP 3:			
	Pu_t = 115.09	ϕPn_t = 304.69	**Stress Rating**
	Vu = 0	ϕVn = 186.38	**36.0%**
	Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	15.16	(Flexural)
Allowable Stress (ksi):	32.4	
Stress Rating:	**44.6%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

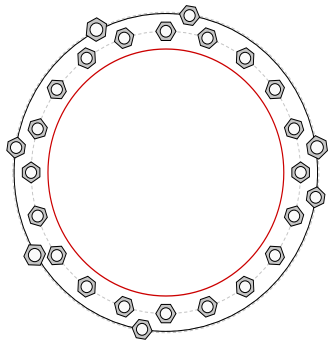
note: Bending interaction not considered when Grout Considered = "Yes"

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending	Grout Considered	Apply at BARB Elevation	BARB CL Elevation (ft)
1	Yes	Yes	Yes	Yes	No	
2	No	No	No	Yes	No	
3	No	No	No	No	No	

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, n:	l_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	2	A36	48	0.5	0	N-Included		No
2	1	18	2	A36	48	0.5	0	N-Included		No
3	1	36	2	A36	48	0.5	0	N-Included		No
4	1	54	2	A36	48	0.5	0	N-Included		No
5	1	72	2	A36	48	0.5	0	N-Included		No
6	1	90	2	A36	48	0.5	0	N-Included		No
7	1	108	2	A36	48	0.5	0	N-Included		No
8	1	126	2	A36	48	0.5	0	N-Included		No
9	1	144	2	A36	48	0.5	0	N-Included		No
10	1	162	2	A36	48	0.5	0	N-Included		No
11	1	180	2	A36	48	0.5	0	N-Included		No
12	1	198	2	A36	48	0.5	0	N-Included		No
13	1	216	2	A36	48	0.5	0	N-Included		No
14	1	234	2	A36	48	0.5	0	N-Included		No
15	1	252	2	A36	48	0.5	0	N-Included		No
16	1	270	2	A36	48	0.5	0	N-Included		No
17	1	288	2	A36	48	0.5	0	N-Included		No
18	1	306	2	A36	48	0.5	0	N-Included		No
19	1	324	2	A36	48	0.5	0	N-Included		No
20	1	342	2	A36	48	0.5	0	N-Included		No
21	2	81	2	93 Gr. B7 (Reduc	54	0.5	0	N-Included		No
22	2	171	2	93 Gr. B7 (Reduc	54	0.5	0	N-Included		No
23	2	261	2	93 Gr. B7 (Reduc	54	0.5	0	N-Included		No
24	2	351	2	93 Gr. B7 (Reduc	54	0.5	0	N-Included		No
25	3	9	2.25	A193 Gr. B7	54.5	0.5	1	N-Included		No
26	3	117	2.25	A193 Gr. B7	54.5	0.5	1	N-Included		No
27	3	211	2.25	A193 Gr. B7	54.5	0.5	1	N-Included		No

Plot Graphic



Drilled Pier Foundation

BU # :	876333
Site Name:	Creative Dimensions
Order Number:	586251 Rev. 0
TIA-222 Revison:	H
Tower Type:	Monopole

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	☐
Shear Design Options	
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

Go to Soil Calculations

Applied Loads	Comp.	Uplift
Moment (kip-ft)	2303	
Axial Force (kips)	45	
Shear Force (kips)	25	

Material Properties			Rebar 2, Fy Override (ksi)	Rebar 3, Fy Override (ksi)
Concrete Strength, f'c:	4	ksi		
Rebar Strength, Fy:	60	ksi		
Tie Yield Strength, Fyt:	60	ksi		

Pier Design Data		
Depth	30	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 30' below grade		
Pier Diameter	6.5	ft
Rebar Quantity	16	
Rebar Size	11	
Clear Cover to Ties	4	in
Tie Size	5	
Tie Spacing	12	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	7.02	-
Soil Safety Factor	5.79	-
Max Moment (kip-ft)	2444.63	-
Rating*	*21.9%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	278.08	-
End Bearing (kips)	1459.64	-
Weight of Concrete (kips)	127.50	-
Total Capacity (kips)	1737.72	-
Axial (kips)	172.50	-
Rating*	*9.5%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	6.45	-
Critical Moment (kip-ft)	2443.05	-
Critical Moment Capacity	3845.05	-
Rating*	*60.5%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	21.67	-
Critical Shear (kip)	226.17	-
Critical Shear Capacity	591.04	-
Rating*	*36.4%*	-

Structural Foundation Rating*	**60.5%**
Soil Interaction Rating*	**21.9%**

*Rating per TIA-222-H Section 15.5

Soil Profile

Groundwater Depth	8

# of Layers	11

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	2	2	113	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	2	3.33	1.33	112	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	3.33	4	0.67	112	150	0	34	0.000	0.000	0.16	0.16			Cohesionless
4	4	6	2	113	150	0	39	0.000	0.000	0.31	0.31			Cohesionless
5	6	8	2	113	150	0	37	0.000	0.000	0.41	0.41			Cohesionless
6	8	10	2	50.6	87.6	0	37	0.000	0.000	0.50	0.50			Cohesionless
7	10	12	2	49.6	87.6	0	35	0.00	0.00	0.51	0.51			Cohesionless
8	12	14	2	49.6	87.6	0	34	0.00	0.00	0.54	0.54			Cohesionless
9	14	20	6	50.6	87.6	0	35	0.00	0.00	0.66	0.66			Cohesionless
10	20	25	5	51.6	87.6	0	41	0.00	0.00	0.96	0.96			Cohesionless
11	25	30	5	50.6	87.6	0	36	0.00	0.00	0.95	0.95	58.65		Cohesionless

AT&T SITE NUMBER: CT1054
AT&T SITE NAME: PLAINVILLE CENTER
AT&T FA CODE: 10035333
AT&T PACE NUMBER: MRCTB055804, MRCTB056251, MRCTB053746, MRCTB055218, MRCTB054501, MRCTB056220
AT&T PROJECT: 5G NR 1SR,5G NR 1SR CBAND,5G NR, 4T4R RETROFIT

BUSINESS UNIT #: 876333
SITE ADDRESS: 10 SPARKS ST. PLAINVILLE, CT 06062
COUNTY: HARTFORD
SITE TYPE: MONOPOLE
TOWER HEIGHT: 137'-0"

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	CREATIVE DIMENSIONS
SITE ADDRESS:	10 SPARKS ST. PLAINVILLE, CT 06062
COUNTY:	HARTFORD
MAP/PARCEL #:	23-O-05
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.673477
LONGITUDE:	-72.854491
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	194'
CURRENT ZONING:	GI - GENERAL INDUSTRIAL
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:	SMA REALTY LLC 10 SPARKS ST PLAINVILLE, CT 06062
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:	NORTHEAST UTILITIES 800-286-2000
TELCO PROVIDER:	AT&T 866-620-6900

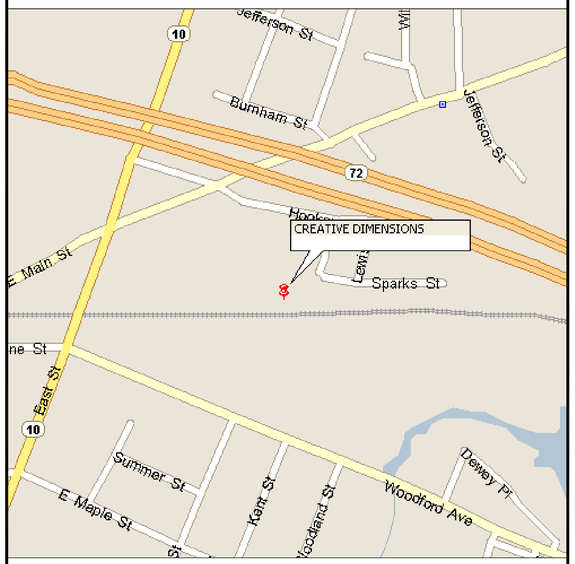
DRAWING INDEX

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

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. 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

AT&T SITE NUMBER: **CT1054**

BU #: **876333**
CREATIVE DIMENSIONS

10 SPARKS ST.
PLAINVILLE, CT 06062

EXISTING 137'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	12/14/21	FWP	PRELIMINARY	MTJ
0	3/18/22	FWP	CONSTRUCTION	MTJ
1	3/31/22	TDG	CONSTRUCTION	MTJ

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:	3530 TORINGDON WAY, SUITE 300 CHARLOTTE, NC 28277
	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 (3) POWERWAVE - 7770 ANTENNAS
- REMOVE (3) CCI - OPA-65R-LCUU-H8 ANTENNAS
- REMOVE (3) KATHRIEN - 800-10966 ANTENNAS
- REMOVE (3) QUINTEL - QS66512-6 ANTENNAS
- REMOVE (6) KATHREIN - 860 10025 TMAS
- REMOVE (6) POWERWAVE TECH - LGP21401 TMAS
- REMOVE (3) ERICSSON - 4478 B5 RRUS
- REMOVE (3) ERICSSON - RRUS-11 B12 RRUS
- REMOVE (1) DC6-48-60-0-8F SQUID
- REMOVE (6) DBC0061F1V51-2 DIPLEXERS
- REMOVE (6) COAX CABLE (7/8")
- RELOCATE (3) ERICSSON - 4478 B14 RRUS
- RELOCATE (3) ERICSSON - RRUS-32 B66A RRUS
- RELOCATE (3) RRUS-32 B30 RRUS
- RELOCATE (3) RRUS-32 B2 RRUS
- INSTALL (3) QUINTEL - QD8616-7 ANTENNAS
- INSTALL (6) ERICSSON - AIR6449 N77D+AIR6419 N77G STACKED ANTENNAS
- INSTALL (3) CCI - DMP65R-BU6DA ANTENNAS
- INSTALL (3) ERICSSON - 4449 B5/B12 RRUS
- INSTALL (1) DC9-48-60-24-8C-EV SQUID
- INSTALL (1) 3/8" 24-PAIR
- INSTALL (1) 7/8" 6AWG
- INSTALL (3) Y CABLES
- MODIFY MOUNT PER MOUNT ANALYSIS BY TEP DATED 12/3/21

GROUND SCOPE OF WORK:
- REMOVE (3) RRUS 4478 B5 RRUSS FROM SHELTER
- REMOVE (6) LGP21903 DIPLEXERS
- REMOVE (1) 5216
- INSTALL (1) 6648 (+Xcede) MODULE
- INSTALL (3) VERTIV RECTIFIERS IN EXISTING POWER PLANT

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.

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:	N/A
DATED:	
MOUNT ANALYSIS:	TEP
DATED:	12/3/21
AC ELECTRICAL POWER DESIGN:	N/A
DATED:	
RFDS REVISION:	1
DATED:	10/1/21
ORDER ID:	586251
REVISION:	0

STATE OF CONNECTICUT — TIMOTHY D. GRAY — No. 23924 — LICENSED PROFESSIONAL ENGINEER
3/31/22

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

SHEET NUMBER: T-1
REVISION: 1

575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

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

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.

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

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).

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

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

CROWN CASTLE

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

AT&T SITE NUMBER: **CT1054**

BU #: **876333**
CREATIVE DIMENSIONS

10 SPARKS ST.
PLAINVILLE, CT 06062

EXISTING 137'-0" MONOPOLE

ISSUED FOR:

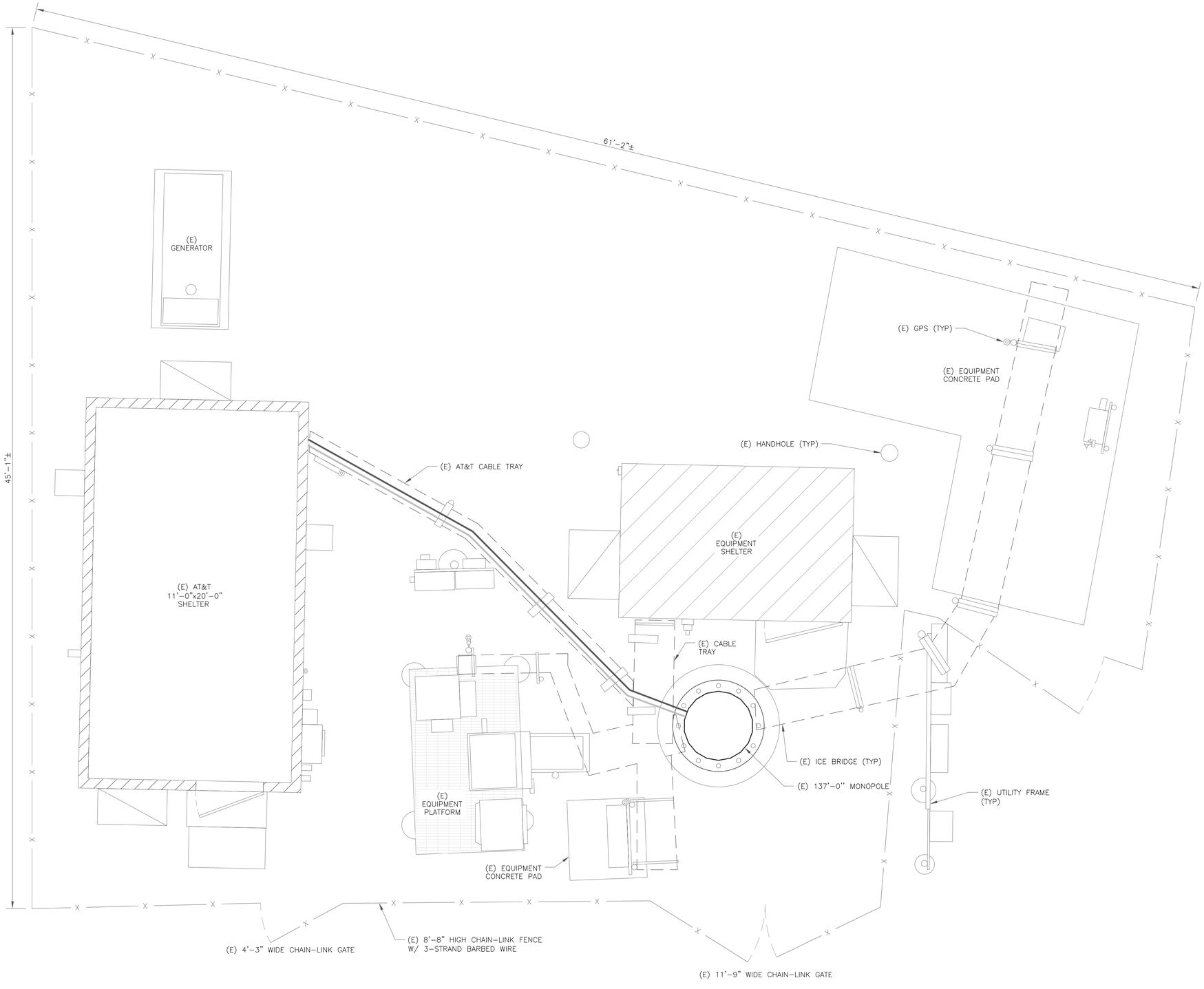
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	12/14/21	FWP	PRELIMINARY	MTJ
0	3/18/22	FWP	CONSTRUCTION	MTJ
1	3/31/22	TDG	CONSTRUCTION	MTJ

STATE OF CONNECTICUT
CHAD TUTTLE
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/31/22

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

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-2 | **REVISION:** 1



1 SITE PLAN
SCALE: 2' 1' 0 2' 3/8"=1'-0" (FULL SIZE) 3/16"=1'-0" (11x17)

N

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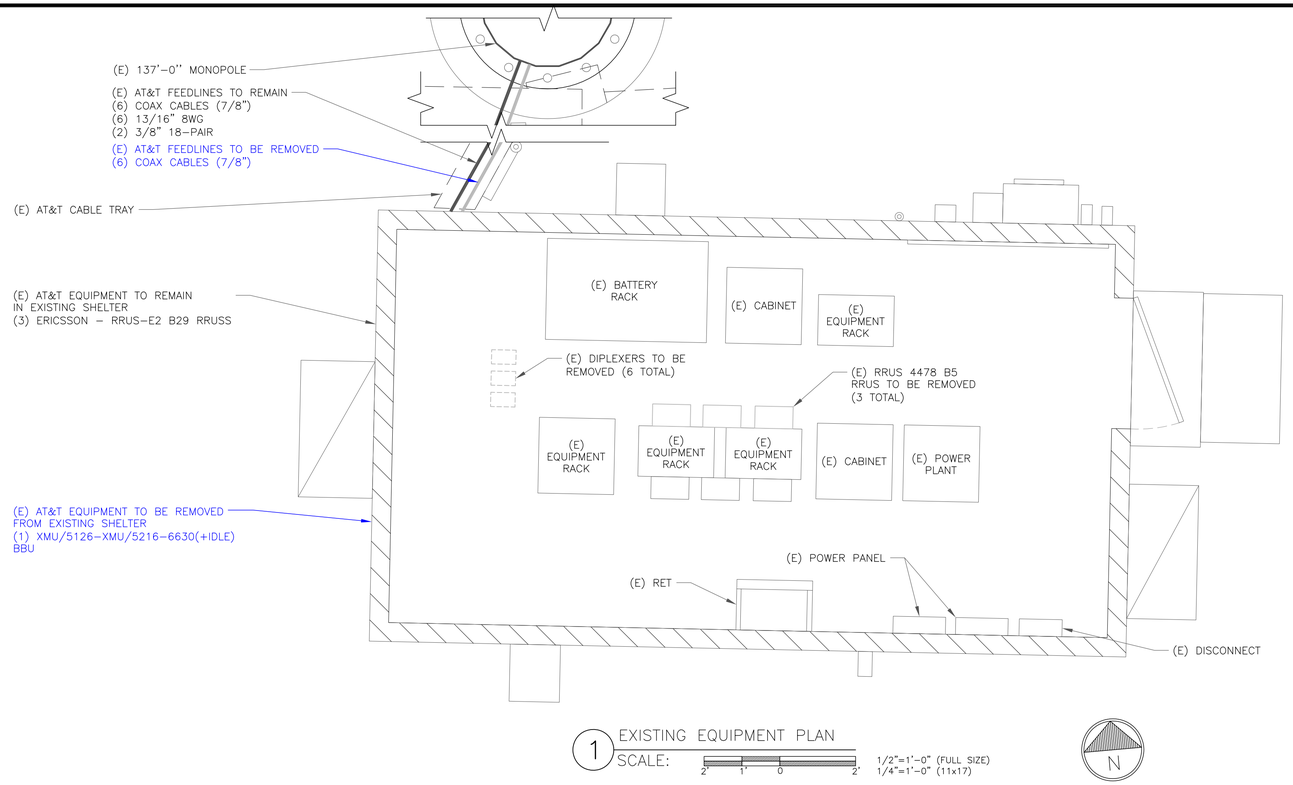
STATE OF CONNECTICUT
TODD D. GRAY
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/31/22

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

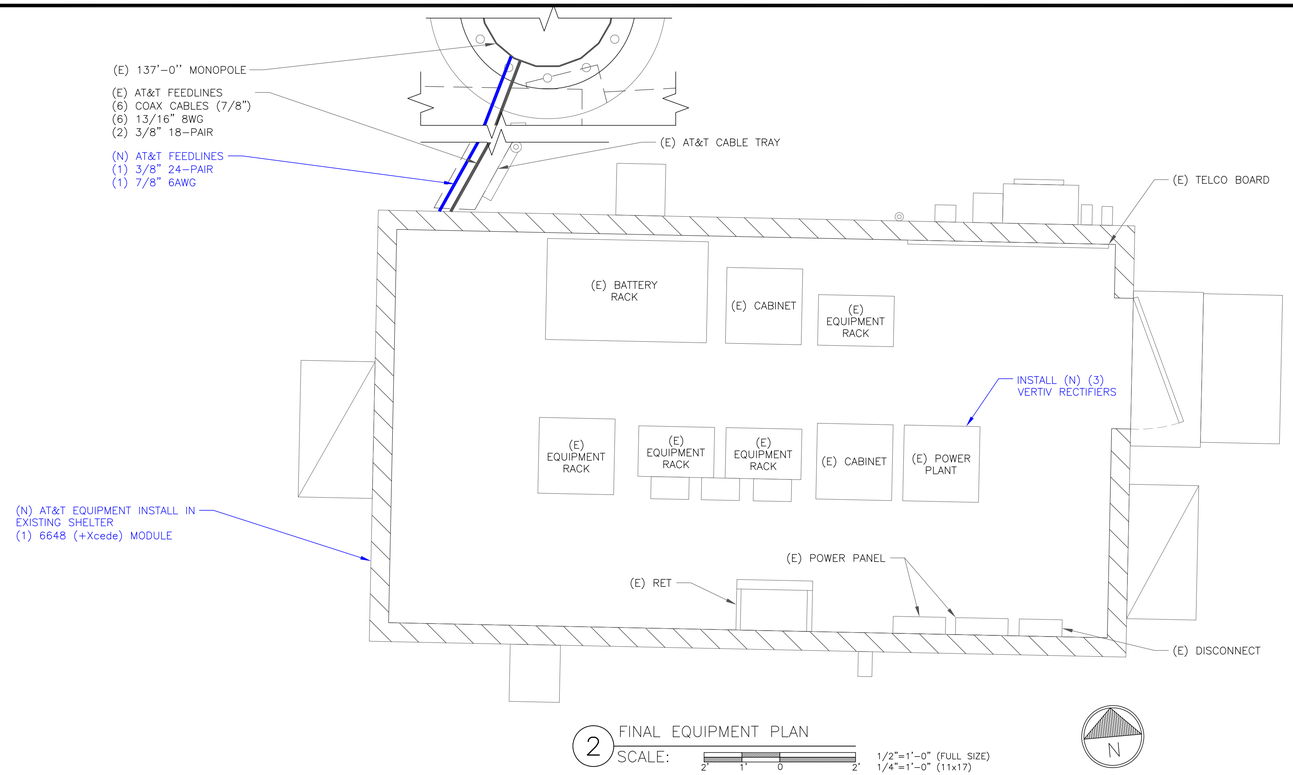
SHEET NUMBER: C-1.1

REVISION: 1



1 EXISTING EQUIPMENT PLAN

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



2 FINAL EQUIPMENT PLAN

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

GROUND SCOPE OF WORK:

- INSTALL (1) 6648 (+XCEDE) MODULE
- INSTALL (3) VERTIV RECTIFIERS IN EXISTING POWER PLANT

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.

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

CROWN CASTLE

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

AT&T SITE NUMBER: **CT1054**

BU #: **876333**
CREATIVE DIMENSIONS

10 SPARKS ST.
PLAINVILLE, CT 06062

EXISTING 137'-0" MONOPOLE

ISSUED FOR:

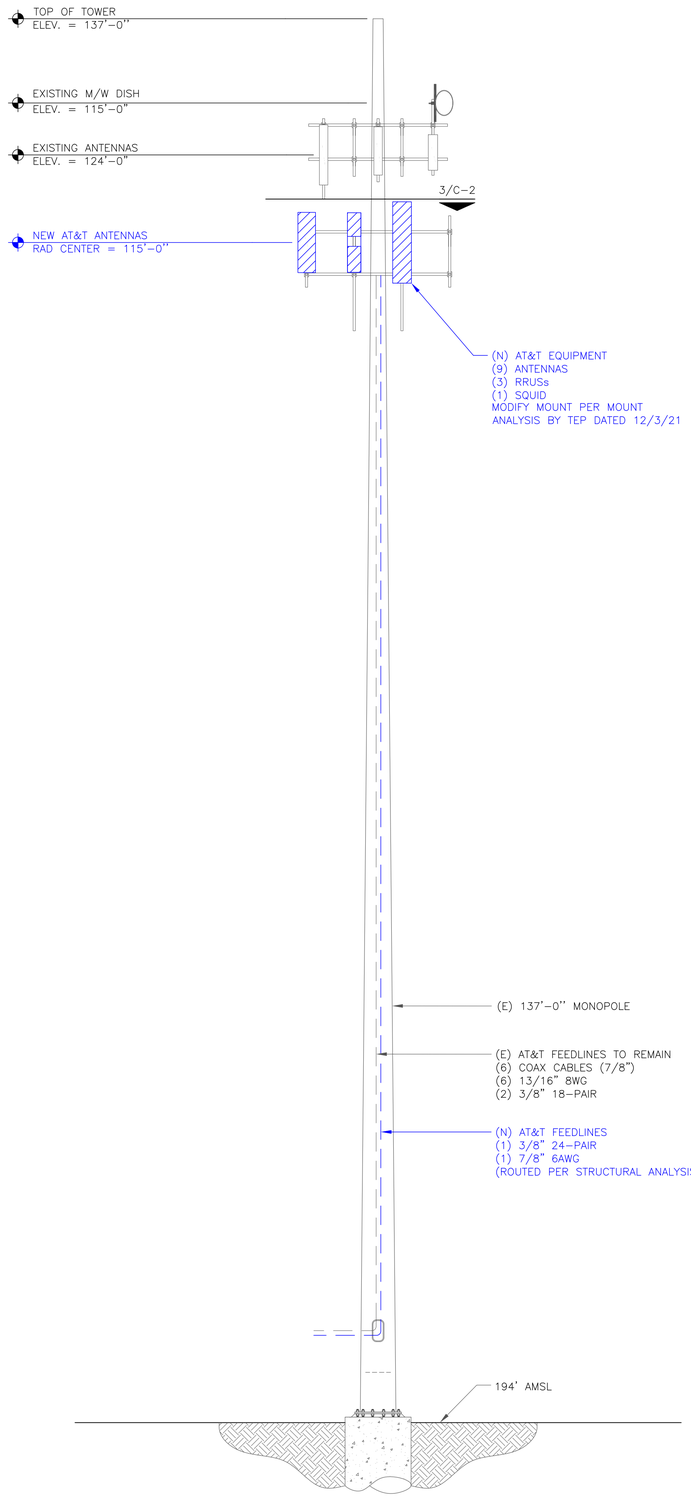
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	12/14/21	FWP	PRELIMINARY	MTJ
0	3/18/22	FWP	CONSTRUCTION	MTJ
1	3/31/22	TDG	CONSTRUCTION	MTJ

STATE OF CONNECTICUT
MICHAEL T. JOHNSON
No. 23924
LICENSED PROFESSIONAL ENGINEER
3/31/22

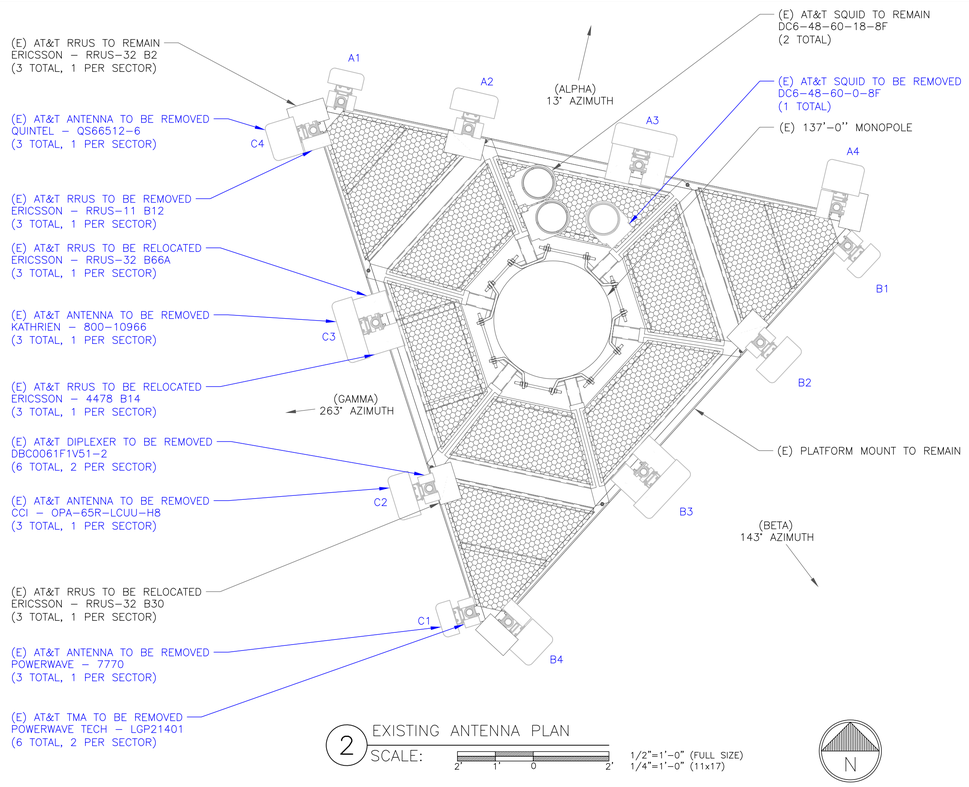
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

SHEET NUMBER: C-1.2

REVISION: 1

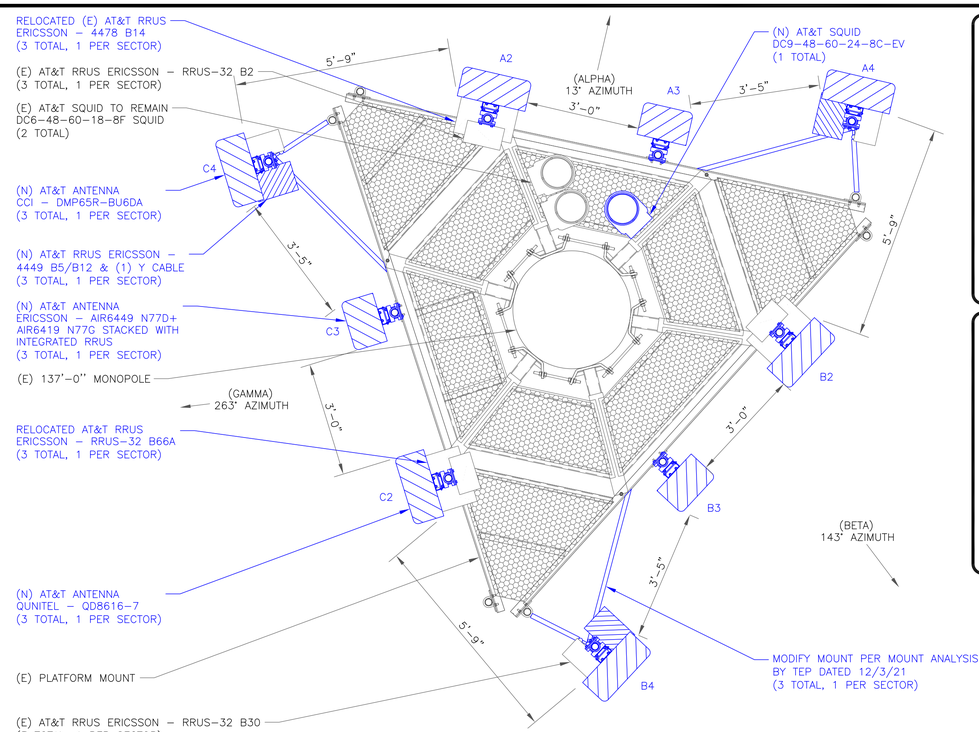


1 FINAL ELEVATION
SCALE: NOT TO SCALE



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

N



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

N

"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.

AT&T
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BU #: **876333**
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10 SPARKS ST.
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STATE OF CONNECTICUT
MICHAEL T. JONES
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/31/22

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

SHEET NUMBER: C-2

REVISION: 1

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	RRUs QTY & MODEL ON TOWER	LOCATION	DIPLEXER ON TOWER	DIPLEXER ON GROUND	RET CABLE
ALPHA SECTOR																		
A1	–	–	–	EMPTY MOUNT PIPE	–	–	–	7/8"	164'–0"	2	–	(2) DC6–48–60–18–8F SQUID (1) DC9–48–60–24–8C–EV SQUID	(2) 3/8" 18–PAIR (6) 13/16" 8AWG (1) 3/8" 24–PAIR (1) 7/8" 6AWG	–	–	–	–	–
A2	LTE 700/LTE 1900/LTE AWS/5G 1900/5G AWS	NEW	13°	QUINTEL – QD8616–7	115'–0"	0°	2°/2°/2°/2°/ 2°/2°/2°	–	–	–	–			(1) ERICSSON – 4478 B14 (1) ERICSSON – RRUS–32 B2 (1) ERICSSON – RRUS–32 B66A	TOWER	N	N	N
A3	5G CBAND	NEW	13°	ERICSSON – AIR6449 B77D+AIR6419 B77G STACKED	115'–0"	0°	0°	–	–	–	–			INTEGRATED WITHIN	TOWER	N	N	N
A4	LTE 700/LTE 850/LTE WCS	NEW	13°	CCI – DMP65R–BU6DA	115'–0"	0°	2°/2°/3°	–	–	–	–			(1) ERICSSON – 4449 B5/B12 (1) ERICSSON – RRUS–32 B30	TOWER	N	N	N
BETA SECTOR																		
B1	–	–	–	EMPTY MOUNT PIPE	–	–	–	7/8"	164'–0"	2	–	–	–	–	–	–	–	–
B2	LTE 700/LTE 1900/LTE AWS/5G 1900/5G AWS	NEW	143°	QUINTEL – QD8616–7	115'–0"	0°	2°/2°/2°/2°/ 2°/2°/2°	–	–	–	–			(1) ERICSSON – 4478 B14 (1) ERICSSON – RRUS–32 B2 (1) ERICSSON – RRUS–32 B66A	TOWER	N	N	N
B3	5G CBAND	NEW	143°	ERICSSON – AIR6449 B77D+AIR6419 B77G STACKED	115'–0"	0°	0°	–	–	–	–			INTEGRATED WITHIN	TOWER	N	N	N
B4	LTE 700/LTE 850/LTE WCS	NEW	143°	CCI – DMP65R–BU6DA	115'–0"	0°	2°/2°/2°	–	–	–	–			(1) ERICSSON – 4449 B5/B12 (1) ERICSSON – RRUS–32 B30	TOWER	N	N	N
GAMMA SECTOR																		
C1	–	–	–	EMPTY MOUNT PIPE	–	–	–	7/8"	164'–0"	2	–	–	–	–	–	–	–	–
C2	LTE 700/LTE 1900/LTE AWS/5G 1900/5G AWS	NEW	263°	QUINTEL – QD8616–7	115'–0"	0°	2°/5°/5°/5°/ 2°/5°/2°	–	–	–	–			(1) ERICSSON – 4478 B14 (1) ERICSSON – RRUS–32 B2 (1) ERICSSON – RRUS–32 B66A	TOWER	N	N	N
C3	5G CBAND	NEW	263°	ERICSSON – AIR6449 B77D+AIR6419 B77G STACKED	115'–0"	0°	0°	–	–	–	–			INTEGRATED WITHIN	TOWER	N	N	N
C4	LTE 700/LTE 850/LTE WCS	NEW	263°	CCI – DMP65R–BU6DA	115'–0"	0°	5°/5°/1°	–	–	–	–			(1) ERICSSON – 4449 B5/B12 (1) ERICSSON – RRUS–32 B30	TOWER	N	N	N

NOTE: BLUE DENOTES NEW EQUIPMENT

1 FINAL ANTENNA AND FEEDLINE SCHEDULE
SCALE: NOT TO SCALE

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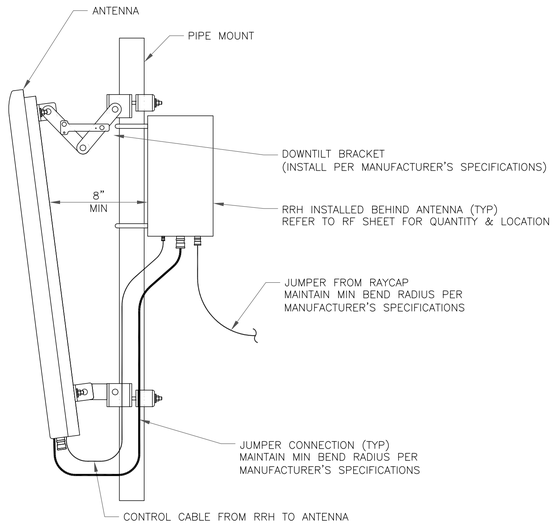
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

SHEET NUMBER: C-3

REVISION: 1



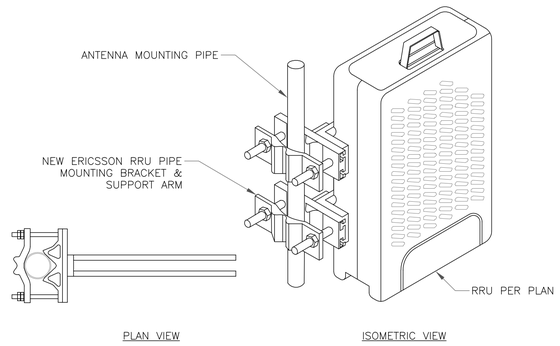
1 GENERIC ANTENNA MOUNTING ELEVATION
SCALE: NOT TO SCALE

ERICSSON RRU MOUNTING KIT:

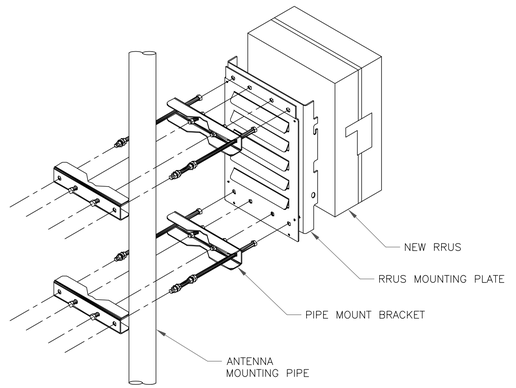
SXK 107 2839/1: SINGLE RRU SUPPORT KIT (PART # 5335) (OR ENGINEER APPROVED EQUIVALENT)
SXK 107 2839/2: EXPANSION KIT (PART # 5336) (OR ENGINEER APPROVED EQUIVALENT)

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:

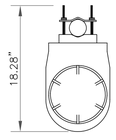
ANTENNA NOT SHOWN FOR CLARITY

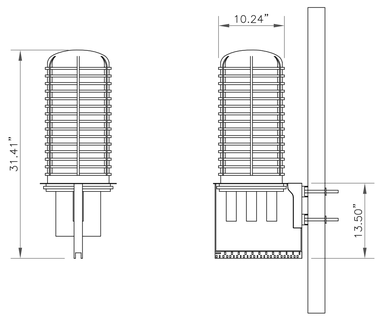
3 SINGLE RRUS MOUNTING DETAIL
SCALE: NOT TO SCALE

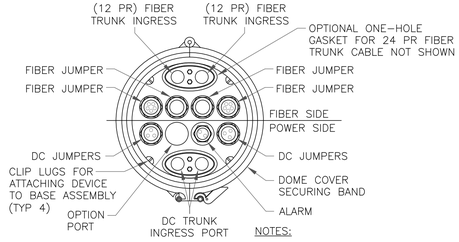
RAYCAP
DC9-48-60-24-8C-EV

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







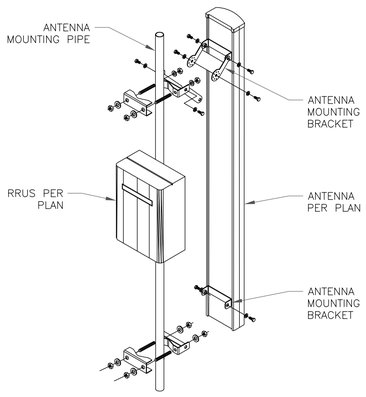
NOTES:

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

INSTALLER NOTES:

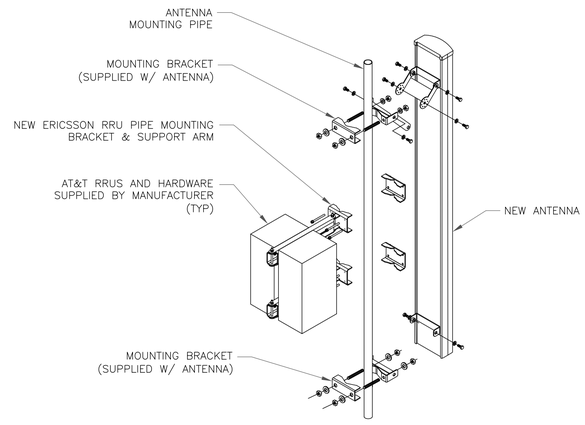
1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRUSs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRUS PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.



4 ANTENNA WITH RRUS MOUNTING DETAIL
SCALE: NOT TO SCALE

INSTALLER NOTES:

1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRUSs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRUS PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.



5 ANTENNA WITH DUAL RRUS MOUNTING DETAIL
SCALE: NOT TO SCALE

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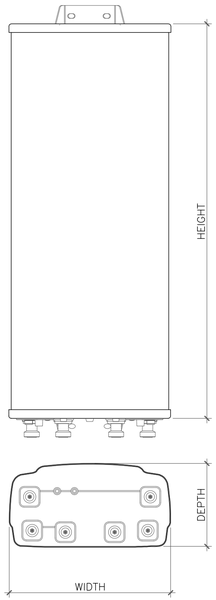
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

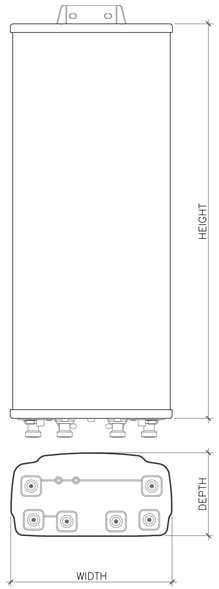
SHEET NUMBER: C-4

REVISION: 1



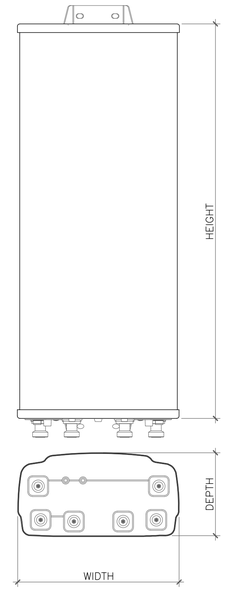
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
QD8616-7	96"	22"	9.6"	150 lbs

1 ANTENNA DETAIL
SCALE: NOT TO SCALE



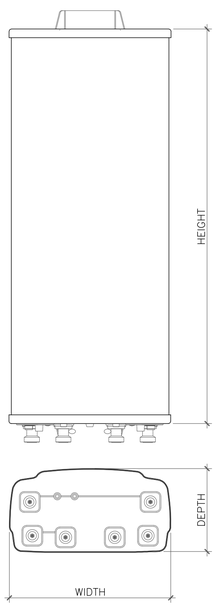
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
ERICSSON/AIR 6419 B77G	27.95"	15.75"	6.68"	66.20lbs

2 ANTENNA DETAIL
SCALE: NOT TO SCALE



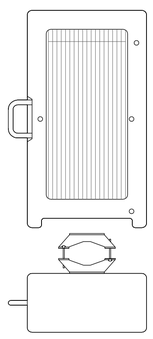
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
ERICSSON/AIR 6449 N77	30.63"	15.87"	10.55"	96.80lbs

3 ANTENNA DETAIL
SCALE: NOT TO SCALE



ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
DMP65R-BU6DA	71.2"	20.7"	7.7"	89.3 lbs

4 ANTENNA DETAIL
SCALE: NOT TO SCALE

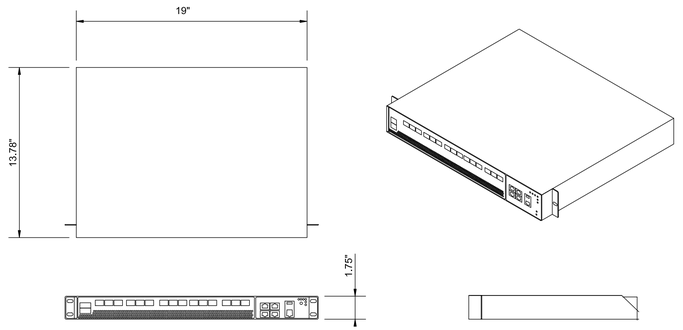


ERICSSON – RRUS 4449 B5/B12
WEIGHT (FULLY EQUIPPED): 71 LBS
SIZE (HxWxD): 17.9x13.19x9.44 IN.
CONNECTOR TYPE: 4.3-10 FEMALE (4 TOTAL PORTS)

5 NOKIA – AHLBBA
SCALE: NOT TO SCALE

6648 BASEBAND

DIMENSIONS, WxDxH: (19"x13.78"x1.75")
MAX POWER CONSUMPTION: 180 W
BREAKER SIZE: MIN 10 A, MAX 30 A
TOTAL WEIGHT: ± 14.33 lbs



6648 BASEBAND
WEIGHT: 17.2 LBS
SIZE (HxWxD): 1.75"x19.0"x13.78"

6 ERICSSON BASEBAND 6648
SCALE: NOT TO SCALE

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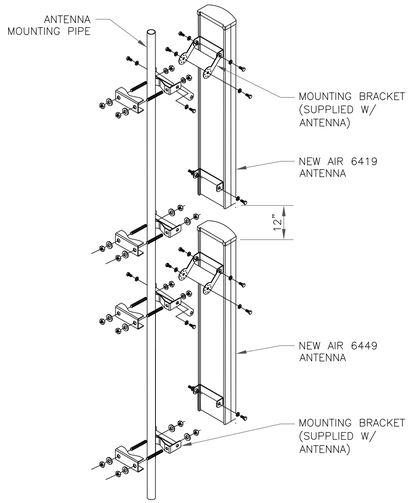
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

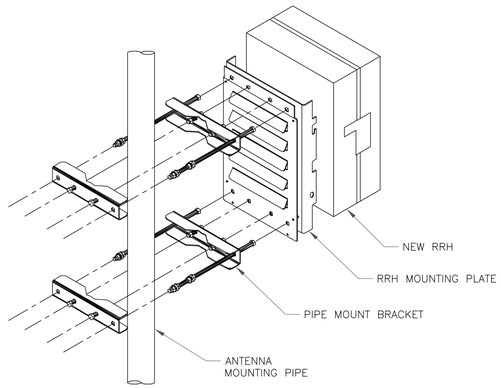
SHEET NUMBER: C-5

REVISION: 1

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.





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

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

AT&T SITE NUMBER: **CT1054**

BU #: **876333**
CREATIVE DIMENSIONS

10 SPARKS ST.
PLAINVILLE, CT 06062

EXISTING 137'-0" MONOPOLE

ISSUED FOR:

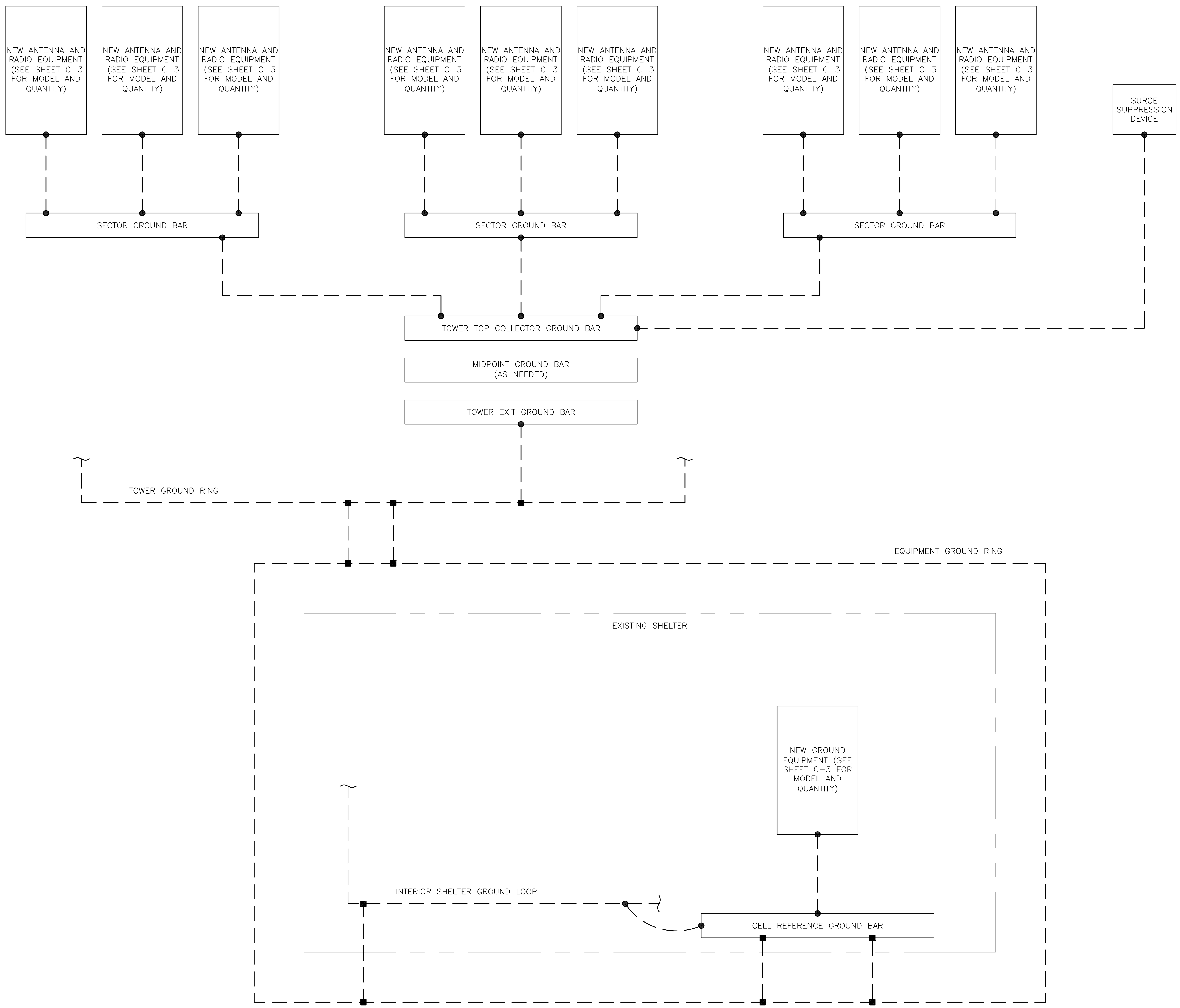
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	12/14/21	FWP	PRELIMINARY	MTJ
0	3/18/22	FWP	CONSTRUCTION	MTJ
1	3/31/22	TDG	CONSTRUCTION	MTJ

STATE OF CONNECTICUT
TIMOTHY D. GAUDET
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/31/22

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

SHEET NUMBER: C-6

REVISION: 1



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.

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

CROWN CASTLE

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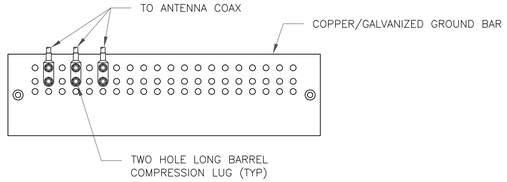
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/1/23

SHEET NUMBER: G-1

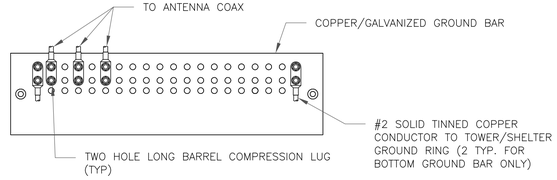
REVISION: 1



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

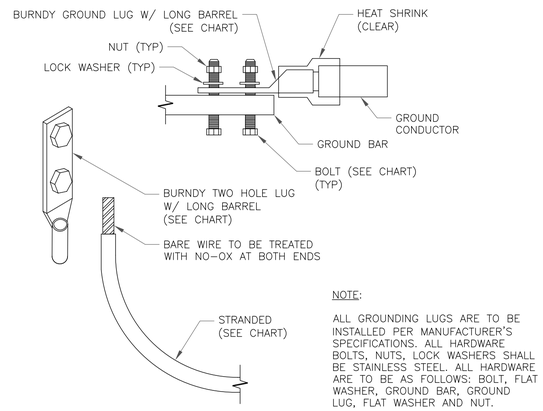


NOTES:

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

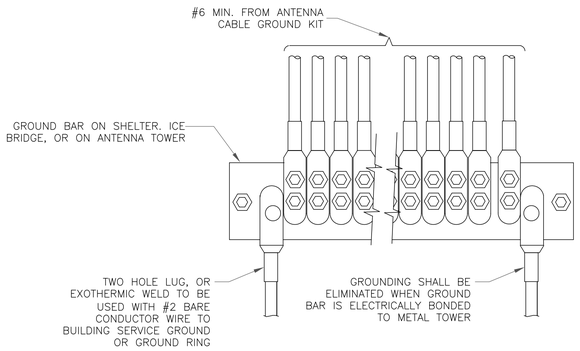
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



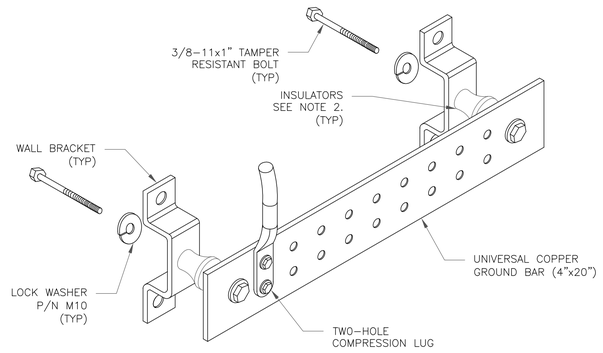
NOTE:

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

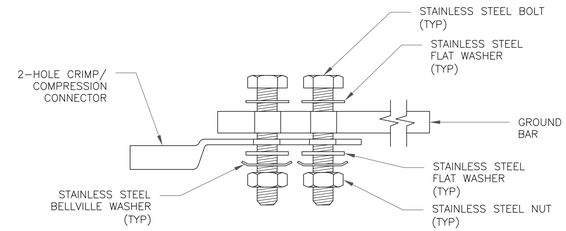


NOTES:

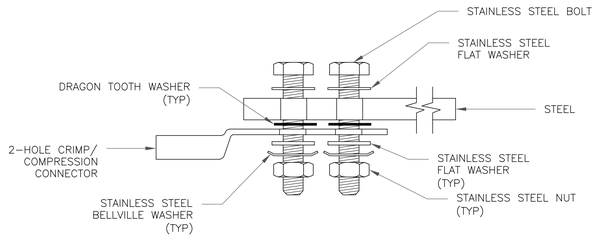
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.

2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

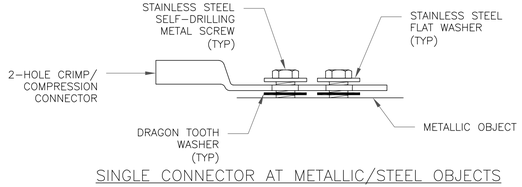
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

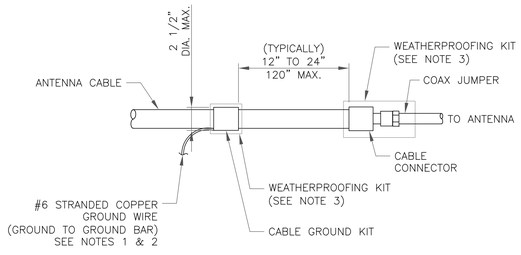


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

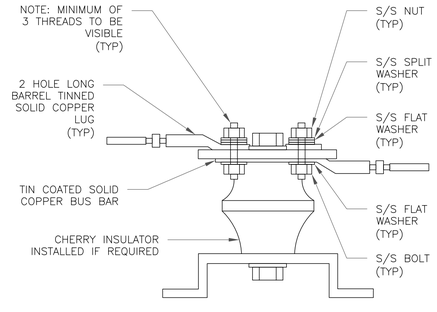
8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



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

SHEET NUMBER: G-2

REVISION: 1

Diagram - Sector	A	Diagram File Name - C_Band_DoD_700DE(Bottom)_RRUS-32_2xDCFiber_1xDC-9_5216+2xXMU_6648.vsd					
Atoll Site Name -	CT1054	Location Name -	PLAINVILLE CENTER	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND
Comments: Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna_Radio Connection Drawings Playbook v8.0_Ericsson							

Antenna 1
Empty

Antenna 2
LTE 700(DE) / 700(B14) / PCS /AWS

16 Port Antenna

Broadband Low 700 DE +45/-45 | Broadband Low 700 B14 +45/-45 | Broadband Low 700 B14 +45/-45 | Broadband Low 850 +45/-45 | Broadband Hi 4Tx/4Rx +45/-45 | Broadband Hi 4Tx/4Rx +45/-45 | Broadband Hi 4Tx/4Rx +45/-45 | Broadband Hi Tx/4Rx +45/-45

RET | RET | RET | RET | RET | RET | RET | RET

Antenna 3
DoD + C band

AIR DoD +45/-45

AIR C-BAND +45/-45

Antenna 4
LTE 700(BC) / WCS/ 5G 850

Broadband Octo Low 700/850 +45/-45 | Broadband Octo Low 700/850 +45/-45 | Broadband Octo High 4Tx/4Rx +45/-45 | Broadband Octo High 4Tx/4Rx +45/-45

RET | RET | RET | RET

LTE WCS RRH

(Y- Cable)

Fiber/DC Demarcation Box (Squid)

Fiber/DC Demarcation Box (Squid)

Fiber/DC-9 Demarcation Box (Squid)

LTE RRUS-E2 700 (5/5)

DC Plant

- 3 Feet Minimum Separation between ALL Antennas
- 6 Feet Minimum Separation between 700BC & 700 DE
- 12" Vertical Separation between DoD and C Band Antenna.
- Use "Y Cable" for Dual band RRHs

6648

5216 | XMU | XMU

6630

IDLe

Xcede

UMTS 1st NodeB

Diagram - Sector	B	Diagram File Name - C_Band_DoD_700DE(Bottom)_RRUS-32_2xDCFiber_1xDC-9_5216+2xXMU_6648.vsd					
Atoll Site Name -	CT1054	Location Name -	PLAINVILLE CENTER	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND
Comments: Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna_Radio Connection Drawings Playbook v6.0_Ericsson							

Antenna 1
Empty

Antenna 2
LTE 700(DE) / 700(B14) / PCS /AWS

16 Port Antenna

Broadband Low 700 DE +45/-45 | Broadband Low 700 B14 +45/-45 | Broadband Low 700 B14 +45/-45 | Broadband Low 850 +45/-45 | Broadband Hi 4Tx/4Rx +45/-45 | Broadband Hi 4Tx/4Rx +45/-45 | Broadband Hi 4Tx/4Rx +45/-45 | Broadband Hi Tx/4Rx +45/-45

RET | RET | RET | RET | RET | RET | RET | RET

Antenna 3
DoD + C band

AIR DoD +45/-45

AIR C-BAND +45/-45

Antenna 4
LTE 700(BC) / WCS/ 5G 850

Broadband Octo Low 700/850 +45/-45 | Broadband Octo Low 700/850 +45/-45 | Broadband Octo High 4Tx/4Rx +45/-45 | Broadband Octo High 4Tx/4Rx +45/-45

RET | RET | RET | RET

LTE WCS RRH

(Y- Cable)

Fiber/DC Demarcation Box (Squid)

Fiber/DC Demarcation Box (Squid)

Fiber/DC-9 Demarcation Box (Squid)

LTE RRUS-42 700 (5/5)

DC Plant

- 3 Feet Minimum Separation between ALL Antennas
- 6 Feet Minimum Separation between 700BC & 700 DE
- 12" Vertical Separation between DoD and C Band Antenna.
- Use "Y Cable" for Dual band RRHs

6648

5216 | XMU | XMU

6630

IDLe

Xcede

UMTS 1st NodeB

Diagram - Sector	C	Diagram File Name - C_Band_DoD_700DE(Bottom)_RRUS-32_2xDCFiber_1xDC-9_5216+2xXMU_6648.vsd					
Atoll Site Name -	CT1054	Location Name -	PLAINVILLE CENTER	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

Comments: Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna_Radio Connection Drawings Playbook v6.0_Ericsson

Antenna 1
Empty

Antenna 2
LTE 700(DE) / 700(B14) / PCS /AWS

16 Port Antenna

Broadband	Broadband	Broadband	Broadband	Broadband	Broadband	Broadband	Broadband
Low 700 DE +45/-45	Low 700 B14 +45/-45	Low 700 B14 +45/-45	Low 850 +45/-45	Hi 4Tx/4Rx +45/-45	Hi 4Tx/4Rx +45/-45	Hi 4Tx/4Rx +45/-45	Hi Tx/4Rx +45/-45
RET	RET	RET	RET	RET	RET	RET	RET

Antenna 3
DoD + C band

AIR
DoD
+45/-45

AIR
C-BAND
+45/-45

Antenna 4
LTE 700(BC) / WCS/ 5G 850

Broadband Octo Low 700/850 +45/-45	Broadband Octo Low 700/850 +45/-45	Broadband Octo High 4Tx/4Rx +45/-45	Broadband Octo High 4Tx/4Rx +45/-45
RET	RET	RET	RET

(Y- Cable)

Fiber/DC
Demarcation Box (Squid)

Fiber/DC
Demarcation Box (Squid)

Fiber/DC-9
Demarcation Box (Squid)

LTE RRUS-43
700 (2/5)

DC Plant

- 3 Feet Minimum Separation between ALL Antennas
- 6 Feet Minimum Separation between 700BC & 700 DE
- 12" Vertical Separation between DoD and C Band Antenna.
- Use "Y Cable" for Dual band RRHs

6648

5216 XMU XMU

6630

IDLe

Xcede

UMTS 1st NodeB