CROWN CASTLE

1 Cityplace Dr, Suite 490

Creve Coeur, MO 63141

Phone: (314) 513-0147

www.crowncastle.com

November 18, 2021

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

RE: **Notice of Exempt Modification for Sprint**
Crown Site ID#876368; Sprint Site ID#CTHA696A
1 Public Works Dr.,EAST HAMPTON, CT 06032
Latitude: 41° 33′ 53.14″/ Longitude: -72° 32′ 35.18″

Dear Ms. Bachman:

Sprint currently maintains (6) antennas at the 177-foot mounts on the existing 180-foot Monopole Tower located at **1 Public Works Dr., EAST HAMPTON.** The property is owned by Town of East Hampton and Sprint Spectrum LP Property Tax and the Tower by Crown Castle. Sprint now intends to replace six (6) antennas. 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.

Planned Modifications:

Tower:

REMOVE AND REPLACE

(3) RFS - APXVTM14-ALU-120 Antennas (**REMOVE**), (3) RFS – APXVAALL24_43_U_NA20 Antennas (**REPLACE**)
(3) Commscope NNVV-65B-R4 Antennas **(REMOVE),** (3) Air6449_B41 Antennas (**REPLACE**)
(3) Alcatel Lucent PCS 1900MHZ 4x45W-65MHz Remote Radio head's (**REMOVE**), (3) Ericsson Radio 4460 B25 + B66 Remote Radio heads (**REPLACE**)
(3) Sprint RRH-Nokia FZHN (**REMOVE**), (3) Ericsson Radio 4480 B71+B85 Remote Radio heads (**REPLACE**)
(6) Alcatel Lucent RRH2x50-80 Remote Radio heads (**REMOVE**)
(3) Hybrid Cable (**REMOVE**), (4) RFS/CELWAVE Hybrid Cable (**REPLACE**)
(4) Coax Cable **(REMOVE)**, (3) 6X24 hcs 4awg 70m cable (**REPLACE**)
(1) Hybrid Cable **(REMOVE)**
(1) Remote Radio mount (**REMOVE**)

Ground:

REMOVE:

(1) Legacy Sprint Cabinet(s) as needed

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INSTALL:
(2) Cabinets
(3) BB6648, (1)RBS6601 w/(1) DUG20
(1) IXRE Router
(1) PSU4813 Booster

The Facility was approved by the Connecticut Siting Council on November 21, 2002, Docket#229. The approval was with conditions which this exempt modification complies with.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16-50j-72(b)(2). In accordance with R.C.S.A. §16-50j-73, a copy of this letter is being sent to David Cox, Town of East Hampton Town Manager and property owner, Vincent Garafalo Town of East Hampton Building Official

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, Sprint 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).

Sincerely,

Ersilia Davis
NETWORK BUILDING + CONSULTING
Project Manager
1777 Sentry Parkway W | VEVA 17, Suite 400
Blue Bell, PA 19422
edavis@nbcllc.com
(551)804-0667

CROWN CASTLE

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

cc:

David Cox, Town Manager
1 Community Drive
East Hampton, CT 06424
(860) 267-4468
(Via Fedex)

Vincent Garafalo, Building Official
1 Community Drive
East Hampton, CT 06424
(860) 267-9601
(Via Fedex)

TRACK ANOTHER SHIPMENT

775255275724

ADD NICKNAME

Delivered
Friday, 11/19/2021 at 10:34 am

DELIVERED

Signed for by: P.BURNHAM

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Ersilia Davis

1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Vincent Garafalo
Town of East Hampton

1 Community Drive
EAST HAMPTON, CT US 06424
860-267-4468

MANAGE DELIVERY

Travel History

TIME ZONE
Local Scan Time

Friday, November 19, 2021

10:34 AM	EAST HAMPTON, CT	Delivered
9:44 AM	NORWICH, CT	On FedEx vehicle for delivery
9:05 AM	NORWICH, CT	At local FedEx facility
5:40 AM	EAST GRANBY, CT	At destination sort facility
4:53 AM	NEWARK, NJ	Departed FedEx hub

TRACK ANOTHER SHIPMENT

775255231574

ADD NICKNAME

Delivered
Friday, 11/19/2021 at 10:34 am

DELIVERED

Signed for by: P.BURNHAM

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Ersilia Davis

1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

David Cox, Town Manager
Town of East Hampton

1 Community Drive
EAST HAMPTON, CT US 06424
860-267-4468

MANAGE DELIVERY

Travel History

TIME ZONE
Local Scan Time

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9:04 AM	NORWICH, CT	At local FedEx facility
5:40 AM	EAST GRANBY, CT	At destination sort facility
4:53 AM	NEWARK, NJ	Departed FedEx hub

Exhibit A

Original Facility Approval

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

November 22, 2002

Thomas J. Regan, Esquire
Brown Rudnick Berlack Israels LLP
CityPlace I, 38th Floor
185 Asylum Street
Hartford, CT 06103-3402

RE: **DOCKET NO. 229** - Sprint Spectrum, L. P. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a cellular telecommunications facility at Public Works Drive, East Hampton, Connecticut.

Dear Attorney Regan:

By its Decision and Order dated November 21, 2002, the Connecticut Siting Council (Council) granted a Certificate of Environmental Compatibility and Public Need (Certificate) the construction, maintenance and operation of a cellular telecommunications facility at Public Works Drive, East Hampton, Connecticut.

Enclosed are the Council's Certificate, Findings of Fact, Opinion, and Decision and Order.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/laf

Enclosures (4)

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

CERTIFICATE

OF

ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED

DOCKET NO. 229

Pursuant to General Statutes § 16-50k, as amended, the Connecticut Siting Council hereby issues a Certificate of Environmental Compatibility and Public Need to Sprint Spectrum, L. P. for the construction, maintenance and operation of a cellular telecommunications facility at Public Works Drive, East Hampton, Connecticut. This Certificate is issued in accordance with and subject to the terms and conditions set forth in the Decision and Order of the Council on November 21, 2002.

By order of the Council,

Mortimer A. Gelston

Mortimer A. Gelston, Chairman

November 21, 2002

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

November 22, 2002

TO: Parties and Intervenors

FROM: S. Derek Phelps, Executive Director

RE: **DOCKET NO. 229** – Sprint Spectrum, L. P. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a cellular telecommunications facility at Public Works Drive, East Hampton, Connecticut.

By its Decision and Order dated November 21, 2002, the Connecticut Siting Council granted a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a cellular telecommunications facility at Public Works Drive, East Hampton, Connecticut.

Enclosed are the Council's Findings of Fact, Opinion, and Decision and Order.

SDP/laf

Enclosures (3)

c: Albert Palko, State Documents Librarian
Council Members

Exhibit B

Property Card

1 PUBLIC WORKS DR #CELL

Location	1 PUBLIC WORKS DR #CELL	**Mblu**	06/ 5A/ 8B/ /
Acct#	R07102	**Owner**	EAST HAMPTON TOWN OF &
Assessment	$203,000	**Appraisal**	$290,000
PID	5538	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$90,000	$200,000	$290,000
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$63,000	$140,000	$203,000

Owner of Record

Owner	EAST HAMPTON TOWN OF &	**Sale Price**	$0
Co-Owner	SPRINT SPECTRUM LP PROPTY TAX	**Certificate**	
Address	PO BOX 8430 (CT33XC018) KANSAS CITY, MO 64114	**Book & Page**	0000/0000
		Sale Date	01/01/1900
		Instrument	29

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
EAST HAMPTON TOWN OF &	$0		0000/0000	29	01/01/1900

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:
Replacement Cost Less Depreciation: $0

Building Attributes

Field	Description
Style:	Outbuildings
Model	
Grade:	
Story Height	
Foundation	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
# Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Fireplace	
Cndtn	
Fin Basement	
Fin Bsmt Qual	
Bsmt. Garages	
Num Park	
Fireplaces	
Solar	
Gas Fireplace	
Fndtn Cndtn	
Basement	

Building Photo

(http://images.vgsi.com/photos/EastHamptonCTPhotos//default.jpg)

Building Layout

Building Layout

(http://images.vgsi.com/photos/EastHamptonCTPhotos//Sketches/5538_55

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend

No Data for Extra Features

Land

Land Use

Use Code	200
Description	Commercial Vacant
Zone	C
Neighborhood	COM
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	1
Frontage	
Depth	
Assessed Value	$140,000
Appraised Value	$200,000

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
CEL	Cell Tower			1.00 UNITS	$90,000	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$90,000	$200,000	$290,000
2020	$100,000	$200,000	$300,000
2020	$100,000	$200,000	$300,000
2019	$100,000	$200,000	$300,000

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$63,000	$140,000	$203,000
2020	$70,000	$140,000	$210,000
2020	$70,000	$140,000	$210,000
2019	$70,000	$140,000	$210,000

Exhibit C

Construction Drawings

T-Mobile

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

T-MOBILE SITE NUMBER: CTHA696A
T-MOBILE SITE NAME: CTHA696A
SITE TYPE: MONOPOLE
TOWER HEIGHT: 180'-0"

BUSINESS UNIT #: 876368
SITE ADDRESS: 1 PUBLIC WORKS DRIVE EAST HAMPTON, CT 06032
COUNTY: MIDDLESEX
JURISDICTION: TOWN OF EAST HAMPTON

T-MOBILE SPRINT-RETAIN SITE CONFIGURATION: 67D5998C_1XAIR+1QP+1OP (GSM ONLY)

SITE INFORMATION

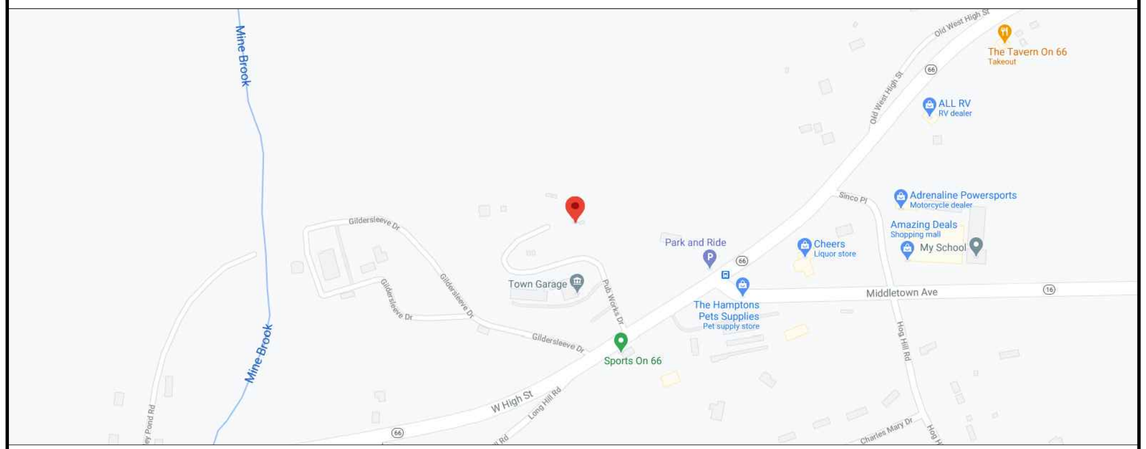
CROWN CASTLE USA INC. SITE NAME:	YANKEE LAKE/EAST HAMPTON/TOWN
SITE ADDRESS:	1 PUBLIC WORKS DRIVE EAST HAMPTON, CT 06032
COUNTY:	MIDDLESEX
PARCEL #:	06-5A-8B
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 33' 53.14" (41.56477000)
LONGITUDE:	-72° 32' 35.18" (-72.54310000)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	337 FT (AMSL)
CURRENT ZONING:	R-2
JURISDICTION:	TOWN OF EAST HAMPTON
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TOWN OF EAST HAMPTON & SPRINT SPECTRUM LP PROPTY TAX PO BOX 8430 (CT33XC018) KANSAS CITY, MO 64114
TOWER OWNER:	CROWN CASTLE USA, INC. 1200 MACARTHUR BLVD, SUITE 200 MAHWAH, NJ 07430
CARRIER/APPLICANT:	T-MOBILE 35 GRIFFIN ROAD BLOOMFIELD, CT 06002
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO. (800) 286-2000
TELCO PROVIDER:	AT&T (800) 288-2020

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	FINAL SITE PLAN
C-1.2	EXISTING & FINAL EQUIPMENT PLAN
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	ANTENNA & CABLE SCHEDULE
C-4	EQUIPMENT SPECS
C-5	CABINET & SIGNAGE SPECS
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM
G-1	ANTENNA GROUNDING DIAGRAM
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22x34. 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.

LOCATION MAP



NO SCALE

PROJECT TEAM

A&E FIRM:	TOWER ENGINEERING PROFESSIONALS 326 TRYON ROAD RALEIGH, NC 27603
	JOSEPH T. CRESS - PROJECT MANAGER (919) 661-6351
	SCOTT BRANTLEY - CIVIL ENGINEER (919) 661-6351
	SCOTT BRANTLEY - ELECTRICAL ENGINEER (919) 661-6351
CROWN CASTLE USA INC. DISTRICT CONTACTS:	CROWN CASTLE USA, INC. 46 BROADWAY, MENANDS, NY 12204-2702
	PATRICIA PELON - PROJECT MANAGER (518) 373-3507

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (4) EXISTING SPRINT CABLES
- REMOVE (1) HYBRID CABLES
- REMOVE (3) EXISTING SPRINT ANTENNAS
- REMOVE (12) EXISTING SPRINT RRHs
- REUSE (1) PLATFORM MOUNT WITH HANDRAIL
- REUSE (1) GPS ANTENNA & CABLE
- INSTALL (6) ANTENNAS
- INSTALL (6) RRHs
- INSTALL (3) BACK-TO-BACK RADIO MOUNTS
- INSTALL (3) 6x24 HCS 4AWG 70m CABLES

GROUND SCOPE OF WORK:
- REMOVE LEGACY SPRINT CABINET(S) AS NEEDED
- INSTALL (2) CABINETS
- INSTALL (3) BB 6648, (1) RBS 6601 W/ (1) DUG20, (1) IXRE ROUTER, (1) PSU 4813 BOOSTER
- REUSE EXISTING SPRINT PAD, ICE BRIDGE & UTILITY EQUIPMENT

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	2018 CONNECTICUT STATE BUILDING CODE
MECHANICAL	2018 INTERNATIONAL MECHANICAL CODE
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: MORRISON HERSFIELD
DATED: 10/01/2021
MOUNT ANALYSIS: BY TOWER ENGINEERING PROFESSIONALS
DATED: 09/24 /2021

ORDER ID: 584618 RFDS VERSION: 1
REVISION: 0 DATED: 07/09/2021

ANALYSIS CRITERIA:
APPLICABLE CODES: TIA-222-H / ASCE 7-16
WIND SPEED: V = 130 MPH (ULTIMATE 3 SECOND GUST)
EXPOSURE CATEGORY: B
RISK CATEGORY: II
TOPOGRAPHIC CATEGORY: 1
SEISMIC Ss: 0.211
SEISMIC S1: 0.056
SERVICE WIND SPEED: 60 MPH

APPROVALS

APPROVAL	SIGNATURE	DATE
RF		
CONST.		
FAA		
OPS		
RE		
SR DEV MGR		
REG DIR		

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

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 218229.498736

T-MOBILE SITE NUMBER:
CTHA696A

BU #: **876368**
YANKEE LAKE/EAST HAMPTON/TOWN

1 PUBLIC WORKS DRIVE
EAST HAMPTON, CT 06032
(MIDDLESEX COUNTY)

EXISTING 180'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	03/01/21	SBS	PRELIMINARY	BSE
0	03/26/21	JW	CONSTRUCTION	JTC
1	10/12/21	INS	CONSTRUCTION	JTC

SEAL:

10/12/21

SHEET NUMBER: T-1
REVISION: 1

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST–IN–PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE–THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER–TO–CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
   #4 BARS AND SMALLER 40 ksi
   #5 BARS AND LARGER 60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
   CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 BARS AND LARGER 2"
   #5 BARS AND SMALLER 1–1/2"
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
   SLAB AND WALLS 3/4"
   BEAMS AND COLUMNS 1–1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

CONDUCTOR COLOR CODE

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218229.498736

T-MOBILE SITE NUMBER:
CTHA696A

BU #: **876368**
YANKEE LAKE/EAST HAMPTON/TOWN

1 PUBLIC WORKS DRIVE
EAST HAMPTON, CT 06032
(MIDDLESEX COUNTY)

EXISTING 180'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	03/01/21	SBS	PRELIMINARY	BSE
0	03/26/21	JW	CONSTRUCTION	JTC
1	10/12/21	INS	CONSTRUCTION	JTC

SEAL:

10/12/21

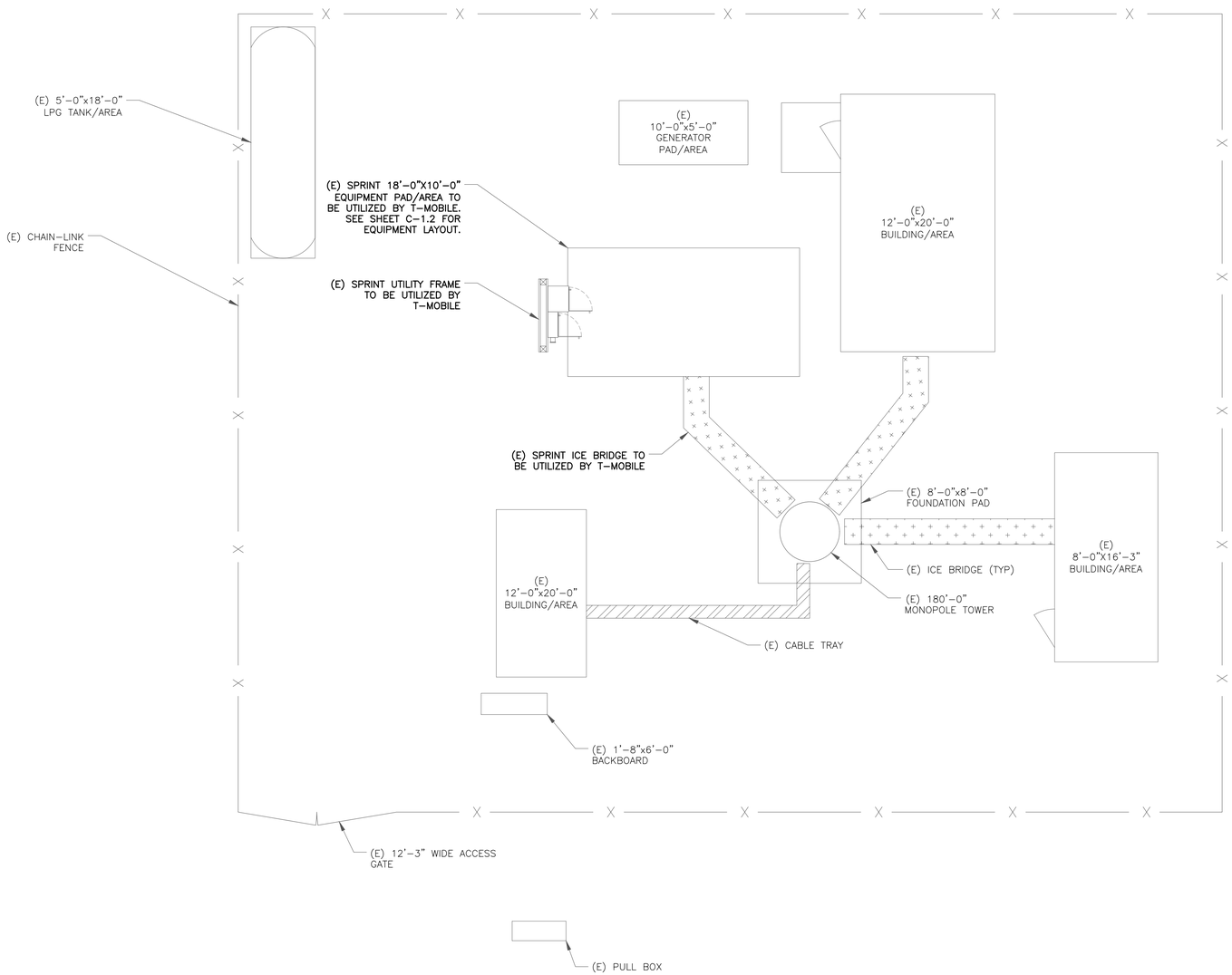
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

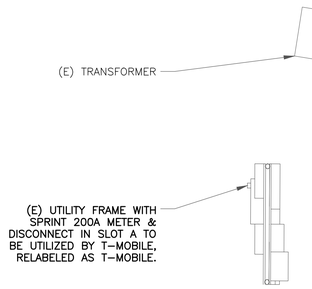
SHEET NUMBER: T-2

REVISION: 1

NOTE:
SITE PLAN SHOWN BELOW WAS REPRODUCED FROM INFORMATION PROVIDED BY CROWN CASTLE AND SITE WALK CONDUCTED BY TEP. CONTRACTOR TO VERIFY ALL EXISTING INFORMATION IS AS INDICATED ON SITE PLAN. CONTRACTOR IS TO ESTABLISH THE EXISTENCE AND LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES.

FLOODPLAIN NOTE:
THE TOWER IS LOCATED IN ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #09007C0135G, DATED 08/28/2008.





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

N

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
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EXISTING 180'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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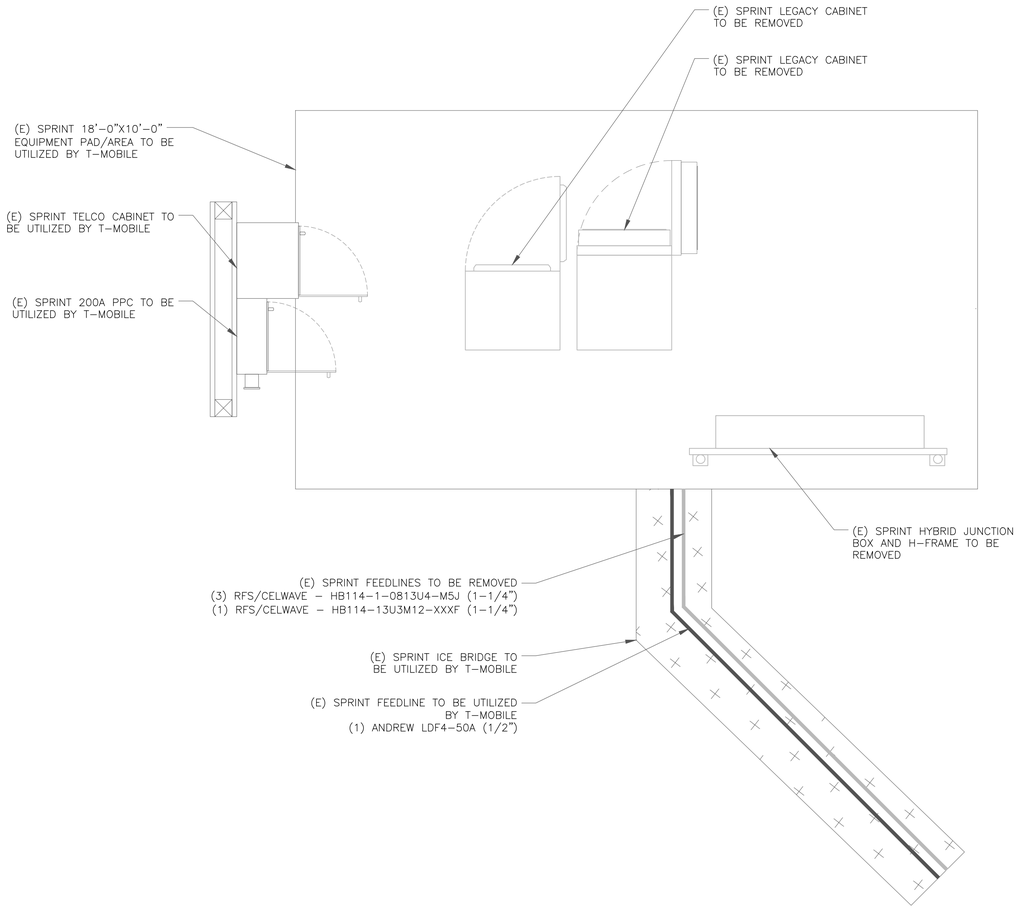
0	03/26/21	JW	CONSTRUCTION	JTC
1	10/12/21	INS	CONSTRUCTION	JTC

SEAL:

10/12/21

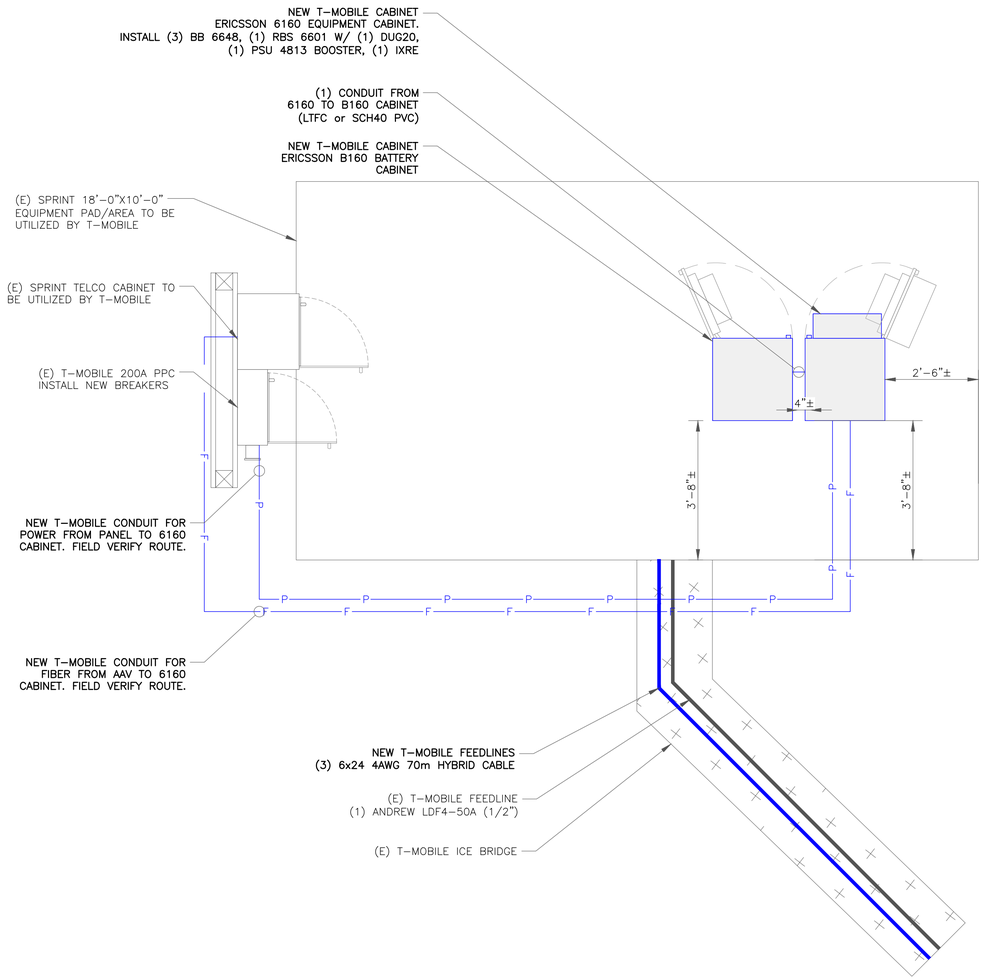
SHEET NUMBER: C-1.1
REVISION: 1

FLOODPLAIN NOTE:
THE TOWER IS LOCATED IN ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #09007C0135G, DATED 08/28/2008.



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

N



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

N

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218229.498736

T-MOBILE SITE NUMBER:
CTHA696A

BU #: **876368**
YANKEE LAKE/EAST HAMPTON/TOWN

1 PUBLIC WORKS DRIVE
EAST HAMPTON, CT 06032
(MIDDLESEX COUNTY)

EXISTING 180'-0" MONOPOLE

ISSUED FOR:

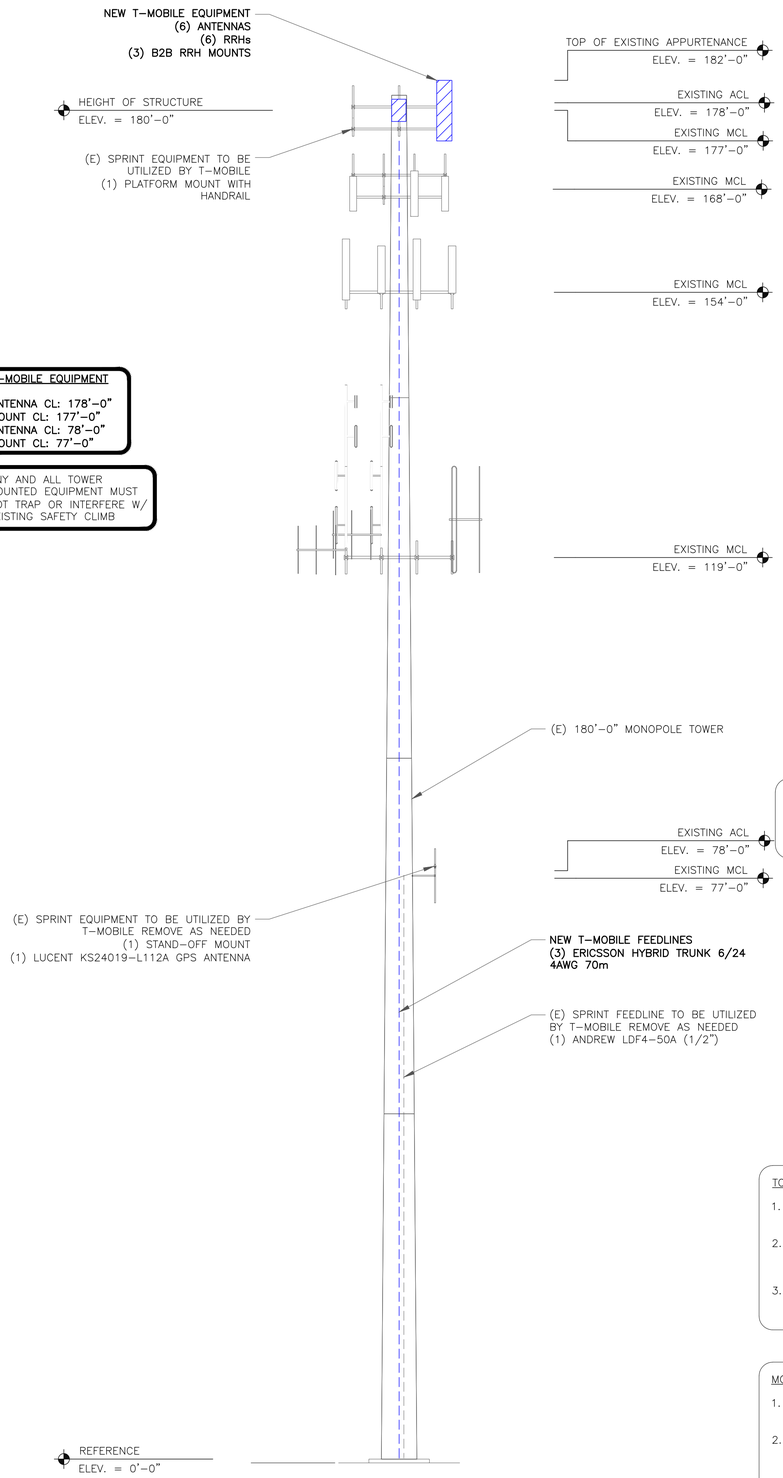
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	03/01/21	SBS	PRELIMINARY	BSE
0	03/26/21	JW	CONSTRUCTION	JTC
1	10/12/21	INS	CONSTRUCTION	JTC

SEAL:

STATE OF CONNECTICUT
29538
LICENSED
PROFESSIONAL ENGINEER

10/12/21

SHEET NUMBER: C-1.2
REVISION: 1



1 FINAL ELEVATION
SCALE: NOT TO SCALE

INSTALLER NOTE:

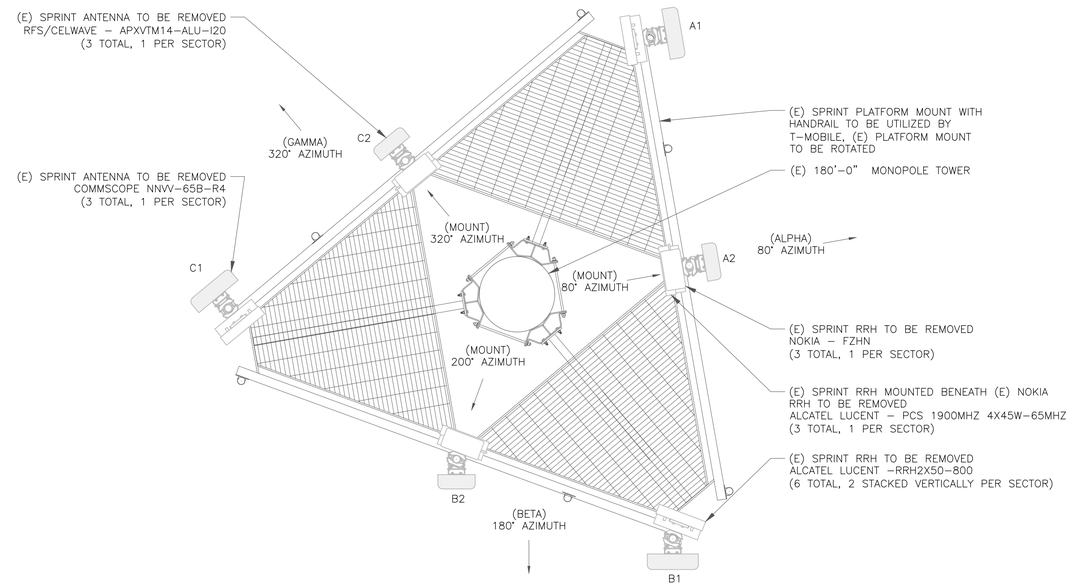
EXISTING AND PROPOSED ANTENNA/ EQUIPMENT POSITIONING SHOWN PER RFDS. FIELD CONDITIONS MAY VARY.

TOWER ANALYSIS NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING TOWER ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE TOWER ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED TOWER MODIFICATION DESIGN OR TOWER REPLACEMENT SHALL BE APPROVED BY EOR.

MOUNT ANALYSIS NOTES:

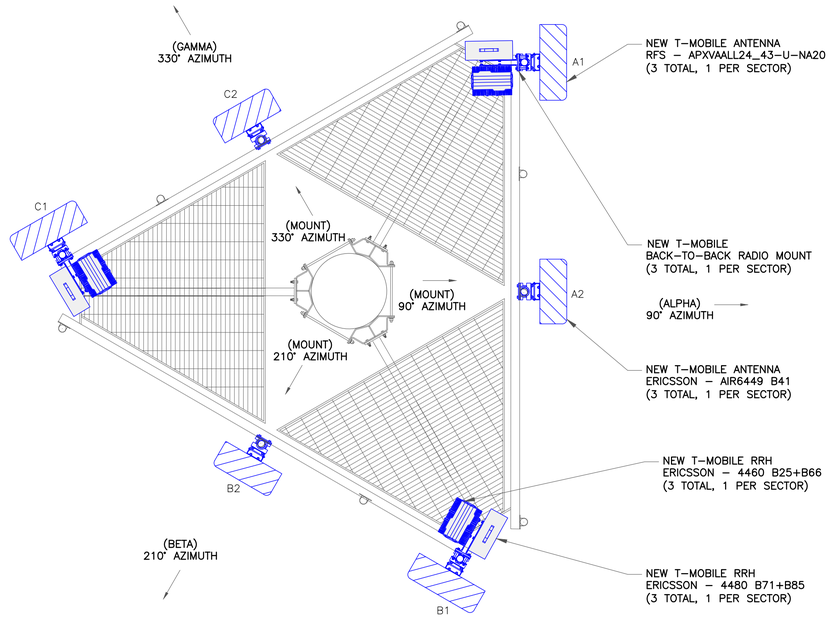
1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING MOUNT ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.



2 EXISTING ANTENNA LAYOUT
SCALE: NOT TO SCALE

RRH NOTE:

CONTRACTOR TO ENSURE RRHs ARE INSTALLED MIN 8" AWAY FROM ANTENNA



3 FINAL ANTENNA LAYOUT
SCALE: NOT TO SCALE

N

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SEAL:

10/12/21

SHEET NUMBER: C-2

REVISION: 1

FINAL ANTENNA SCHEDULE

SECTOR	POS.	TECHNOLOGY	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
ALPHA	A1	L700, L600, N600, L1900, G1900	178'–0"	90°	RFS	APXVAALL24_43–U–NA20 (OCTO)	–	2°	(1) ERICSSON – 4480 B71+B85 (1) ERICSSON – 4460 B25+B66	(1) 6x24 4AWG 70m
ALPHA	A2	L2500, N2500	178'–0"	90°	ERICSSON	AIR6449 B41 (ACTIVE ANTENNA – MASSIVE MIMO)	–	2°	–	HYBRID (SHARED)
BETA	B1	L700, L600, N600, L1900, G1900	178'–0"	210°	RFS	APXVAALL24_43–U–NA20 (OCTO)	–	2°	(1) ERICSSON – 4480 B71+B85 (1) ERICSSON – 4460 B25+B66	(1) 6x24 4AWG 70m
BETA	B2	L2500, N2500	178'–0"	210°	ERICSSON	AIR6449 B41 (ACTIVE ANTENNA – MASSIVE MIMO)	–	2°	–	HYBRID (SHARED)
GAMMA	C1	L700, L600, N600, L1900, G1900	178'–0"	330°	RFS	APXVAALL24_43–U–NA20 (OCTO)	–	2°	(1) ERICSSON – 4480 B71+B85 (1) ERICSSON – 4460 B25+B66	(1) 6x24 4AWG 70m
GAMMA	C2	L2500, N2500	178'–0"	330°	ERICSSON	AIR6449 B41 (ACTIVE ANTENNA – MASSIVE MIMO)	–	2°	–	HYBRID (SHARED)

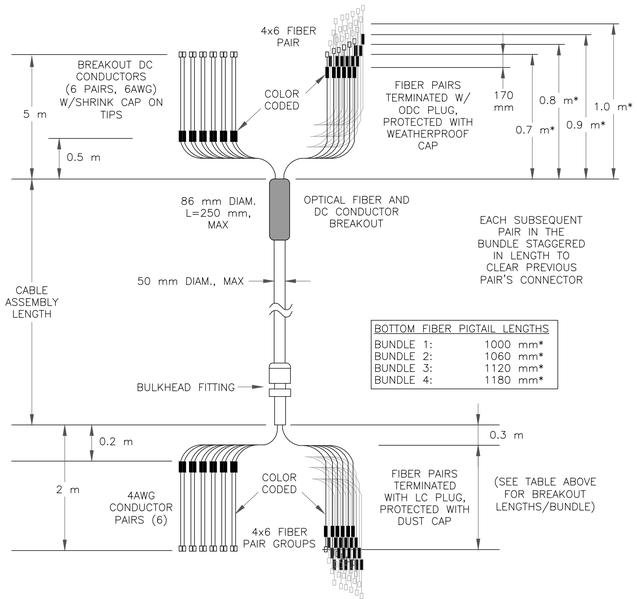
PROPOSED ANTENNA/EQUIPMENT SHOWN IN BOLD

FINAL CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	QUANTITY
NEW	HCS	6x24 4AWG 70m	3
CABLE QUANTITY			3

NOTE:
(1) HYBRID SHARED BETWEEN 6449 ANTENNAS PER SECTOR

1 PROPOSED ANTENNA AND CABLE SCHEDULE
SCALE: NOT TO SCALE



2 HCS DETAIL
SCALE: NOT TO SCALE

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SEAL:

STATE OF CONNECTICUT
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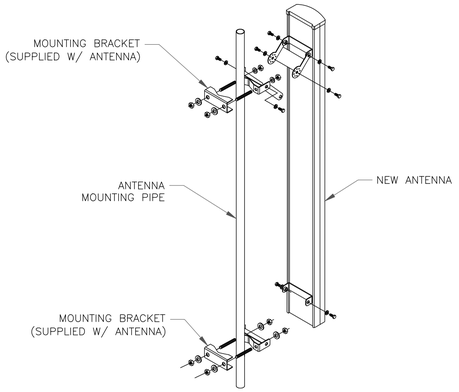
LICENSED
PROFESSIONAL ENGINEER

10/12/21

SHEET NUMBER: C-3

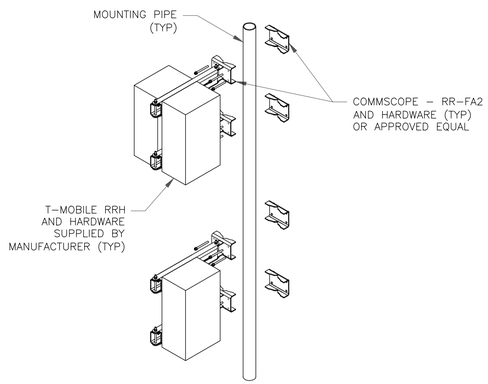
REVISION: 1



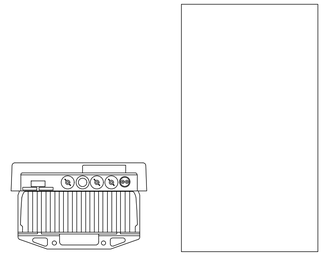
1 ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE

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.

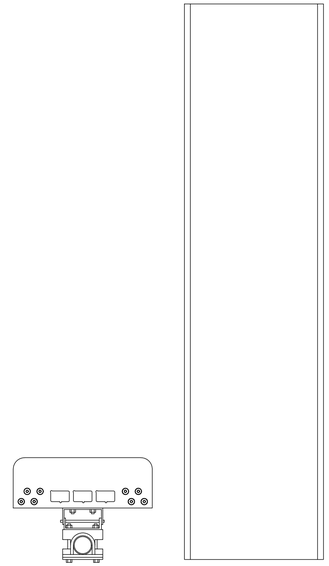


2 RRHs MOUNTING DETAIL
SCALE: NOT TO SCALE



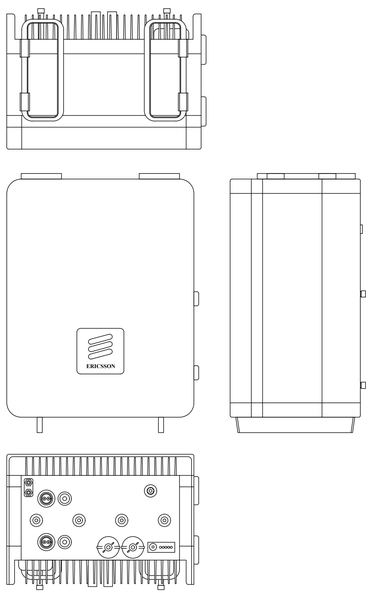
ERICSSON – AIR6449 B41
WEIGHT: 104.0 LBS
SIZE (HxWxD): 33.10x20.60x8.60 IN.

3 ERICSSON – AIR6449 B41
SCALE: NOT TO SCALE



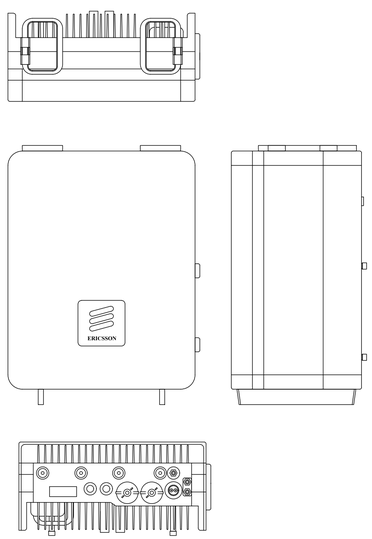
RFS/CELWAVE – APXVAALL24_43-U-NA20
WEIGHT (WITHOUT MOUNTING HARDWARE): 149.9 LBS
SIZE (HxWxD): 95.9x24.0x8.5 IN.

4 RFS/CELWAVE – APXVAALL24_43-U-NA20
SCALE: NOT TO SCALE



ERICSSON – RADIO 4480 B71+B85
WEIGHT: 81.0 LBS
SIZE (HxWxD): 22.0x15.7x7.5 IN.

5 ERICSSON – RADIO 4480 B71+B85
SCALE: NOT TO SCALE



ERICSSON – RADIO 4460 B25+66
WEIGHT: 109.0 LBS
SIZE (HxWxD): 19.0x15.1x11.9 IN.

6 ERICSSON – RADIO 4460 B25+B66
SCALE: NOT TO SCALE

7 NOT USED
SCALE: NOT TO SCALE

8 NOT USED
SCALE: NOT TO SCALE

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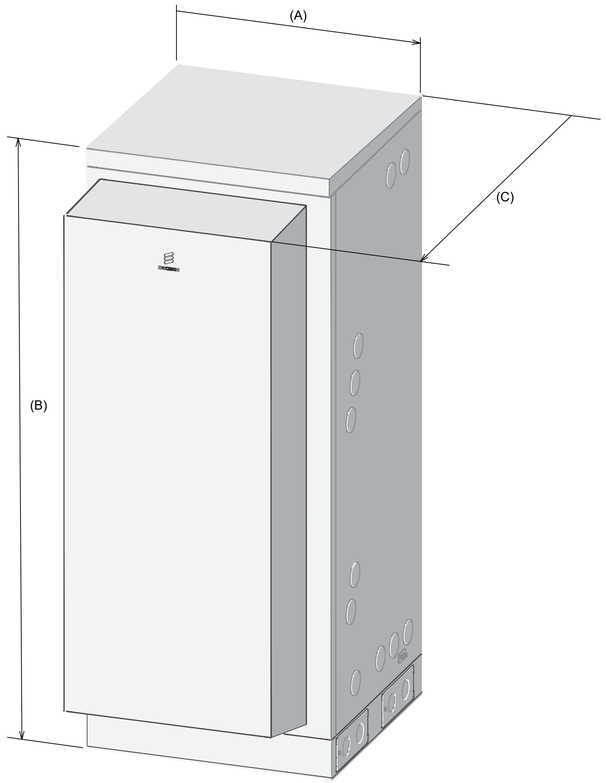
SHEET NUMBER: C-4

REVISION: 1



Dimensions	
Width (A)	650 mm / 25.5906 in
Height (B)	1450 mm / 57.08661 in (without base frame) 1600 mm / 62.99213 in (with base frame)
Depth (C)	850 mm / 33.4646 in
Weight	
Empty enclosure	176 kg / 388.014 lb

1 ERICSSON 6160 CABINET DETAILS
SCALE: NOT TO SCALE

INSTALLER NOTES:

1. INFORMATION SHOWN PROVIDED BY T–MOBILE. CONTRACTOR TO REFERENCE CABINET MANUFACTURER'S SPECIFICATIONS FOR FURTHER DETAILS.
2. CONTRACTOR TO FOLLOW THE LATEST VERSION OF T–MOBILE REGIONAL CONSTRUCTION STANDARDS. CONTACT T–MOBILE FOR DETAILS.

2 ERICSSON B160 CABINET DETAILS
SCALE: NOT TO SCALE

SITE SIGNAGE NOTE:
WHERE APPLICABLE, CONTRACTOR TO FOLLOW ALL T–MOBILE SIGNAGE REQUIREMENTS. CONFIRM SITE SIGNAGE WITH T–MOBILE CM PRIOR TO CONSTRUCTION

3 T–MOBILE SIGNAGE
SCALE: NOT TO SCALE

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SEAL:

10/12/21

SHEET NUMBER: C-5

REVISION: 1

NOTE:
LOAD CALCULATIONS TAKEN FROM INFORMATION PROVIDED BY CROWN CASTLE & POWER ANALYSIS TOOL BASED ON THE RFDS DATED 07/09/2021 V1.0. CONTRACTOR TO VERIFY LOADS WITH MANUFACTURER'S SPECIFICATIONS PRIOR TO CONSTRUCTION.

EXISTING 200A M.C.B, 240/120 VAC, 1ø, 3W PPC PANEL SCHEDULE

LOAD SERVED	VOLT AMPERES (WATTS) L1	VOLT AMPERES (WATTS) L2	TRIP	CKT #	PHASE	CKT #	TRIP	VOLT AMPERES (WATTS) L1	VOLT AMPERES (WATTS) L2	LOAD SERVED
**UNIT 1	9600		**100	1	A	2	60	100		AC SURGE PROTECTOR
		9600		3	B	4			100	
SPARE	–		–	5	A	6	–	–		SPARE
SPARE		–	–	7	B	8	–		–	SPARE
SPARE	–		–	9	A	10	15	180		TELCO GFI
TELCO FAN		340	10	11	B	12	–		–	SPARE
VOLT AMPS	9600	9940						280	100	VOLT AMPS

L1 VOLT AMPERES	9880	10040	L2 VOLT AMPERES
	10040		MAX VOLT AMPERES
	83.7		MAX AMPS
	104.6		MAX AMPS x 125%

*NOTE – REUSE BREAKER FOR NEW CABINET INSTALL

PROPOSED 200A M.C.B, 240/120 VAC, 1ø, 3W PPC PANEL SCHEDULE

LOAD SERVED	VOLT AMPERES (WATTS) L1	VOLT AMPERES (WATTS) L2	TRIP	CKT #	PHASE	CKT #	TRIP	VOLT AMPERES (WATTS) L1	VOLT AMPERES (WATTS) L2	LOAD SERVED
6160 ENCLOSURE	6400		*100	1	A	2	60	100		AC SURGE PROTECTOR
		6400		3	B	4			100	
GFCI INTERNAL IN 6160	180		20	5	A	6	–	–		SPARE
SPARE		–	–	7	B	8	–		–	SPARE
SPARE	–		–	9	A	10	15	180		TELCO GFI
TELCO FAN		340	10	11	B	12	–		–	SPARE
VOLT AMPS	6580	6740						280	100	VOLT AMPS

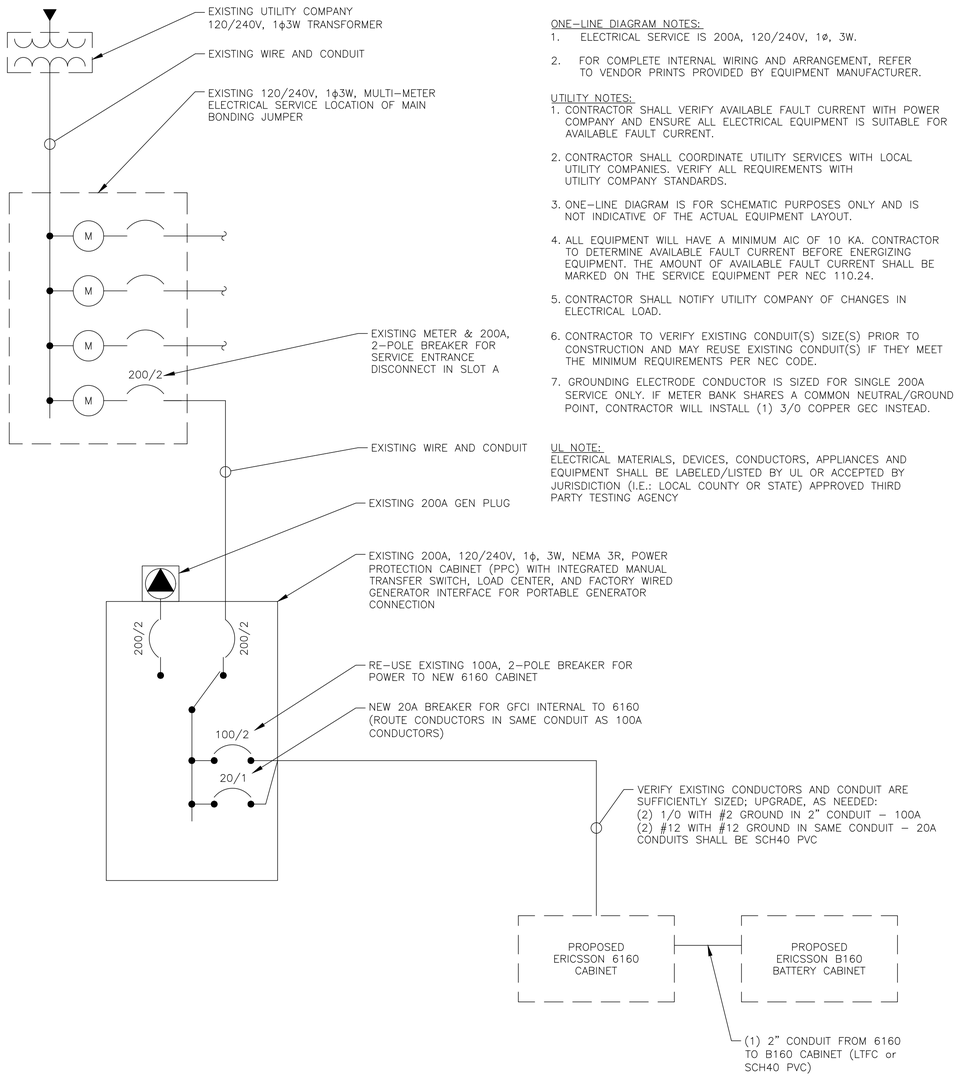
L1 VOLT AMPERES	6860	6840	L2 VOLT AMPERES
	6860		MAX VOLT AMPERES
	57.2		MAX AMPS
	71.5		MAX AMPS x 125%

NOTE – PROPOSED BREAKER IN BOLD

1 AC PANEL SCHEDULES
SCALE: NOT TO SCALE

GENERAL NOTES:

1. ALL NEW CONDUCTORS TO BE INSTALLED SHALL BE COPPER. ALL CONDUCTORS SHALL BE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 UNLESS NOTED OTHERWISE.
2. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ITEMS SHOWN ON THE ELECTRICAL ONE–LINE DIAGRAM AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. ALL GROUNDING AND BONDING PER THE NEC.



ONE–LINE DIAGRAM NOTES:
1. ELECTRICAL SERVICE IS 200A, 120/240V, 1ø, 3W.
2. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT, REFER TO VENDOR PRINTS PROVIDED BY EQUIPMENT MANUFACTURER.

UTILITY NOTES:
1. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH POWER COMPANY AND ENSURE ALL ELECTRICAL EQUIPMENT IS SUITABLE FOR AVAILABLE FAULT CURRENT.
2. CONTRACTOR SHALL COORDINATE UTILITY SERVICES WITH LOCAL UTILITY COMPANIES. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY STANDARDS.
3. ONE–LINE DIAGRAM IS FOR SCHEMATIC PURPOSES ONLY AND IS NOT INDICATIVE OF THE ACTUAL EQUIPMENT LAYOUT.
4. ALL EQUIPMENT WILL HAVE A MINIMUM AIC OF 10 KA. CONTRACTOR TO DETERMINE AVAILABLE FAULT CURRENT BEFORE ENERGIZING EQUIPMENT. THE AMOUNT OF AVAILABLE FAULT CURRENT SHALL BE MARKED ON THE SERVICE EQUIPMENT PER NEC 110.24.
5. CONTRACTOR SHALL NOTIFY UTILITY COMPANY OF CHANGES IN ELECTRICAL LOAD.
6. CONTRACTOR TO VERIFY EXISTING CONDUIT(S) SIZE(S) PRIOR TO CONSTRUCTION AND MAY REUSE EXISTING CONDUIT(S) IF THEY MEET THE MINIMUM REQUIREMENTS PER NEC CODE.
7. GROUNDING ELECTRODE CONDUCTOR IS SIZED FOR SINGLE 200A SERVICE ONLY. IF METER BANK SHARES A COMMON NEUTRAL/GROUND POINT, CONTRACTOR WILL INSTALL (1) 3/0 COPPER GEC INSTEAD.

UL NOTE:
ELECTRICAL MATERIALS, DEVICES, CONDUCTORS, APPLIANCES AND EQUIPMENT SHALL BE LABELED/LISTED BY UL OR ACCEPTED BY JURISDICTION (I.E.: LOCAL COUNTY OR STATE) APPROVED THIRD PARTY TESTING AGENCY

2 ONE LINE DIAGRAM
SCALE: NOT TO SCALE

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SEAL:

10/12/21

SHEET NUMBER: E-1
REVISION: 1

T-MOBILE GROUNDING NOTES:

ALL GROUNDS MUST ROUTE DOWNHILL FOR ENTIRE DURATION OF ROUTE

1. PROVIDE LABOR, MATERIALS, INSPECTION, AND TESTING TO PROVIDE CODE COMPLIANCE FOR ELECTRIC, TELEPHONE, AND GROUNDING/LIGHTNING SYSTEMS.

ICE BRIDGE/ EQUIPMENT POST:

#2 SOLID COPPER TINNED, EXOTHERMICALLY WELDED TO GROUND RING (BOTH ENDS), FINAL WELD COLD GALVANIZED, IN ½" NON-METALLIC SEAL TIGHT CONDUIT, SEALED WITH SILICONE, ANCHORED TO PAD/PLATFORM TO AVOID TRIP HAZARD USING HAMMER SET ANCHORS.

PEDESTALS, PLINTHS, SSC CABINET, FCOA CABINETS:

1. #2 SOLID COPPER TINNED, 2 HOLE LUG WITH FLAT AND LOCK WASHER AT EQUIPMENT; EXOTHERMICALLY WELDED TO GROUND RING, FINAL WELD COLD GALVANIZED, IN ½" NON-METALLIC SEAL TIGHT CONDUIT, SEALED WITH SILICONE, ANCHORED TO PAD TO AVOID TRIP HAZARD USING HAMMER SET ANCHORS. EACH PART REQUIRES A SEPARATE DOWNLEAD, NO DAISY CHAINS.

2. ALL COMPONENTS INSIDE FCOA CABINETS REQUIRE A DEDICATED GROUND.

COVP's:

#6 THHN STRANDED (GREEN JACKET), CONNECTED AT EQUIPMENT SIDE USING OVP TERMINAL BLOCK CONNECTION; MECHANICALLY CONNECTED TO GROUND REFERENCE AT MASTER BUSS BAR USING 2 HOLE LUG WITH FLAT AND LOCK WASHER, IN ½" NON-METALLIC SEAL TIGHT CONDUIT, SEALED WITH SILICONE, AND ANCHORED TO PAD/PLATFORM TO AVOID TRIP HAZARD.

ANTENNA/ COVP/ RRU MAST PIPES:

1. ALL VERTICAL MAST PIPES: #2 SOLID COPPER TINNED, EXOTHERMICALLY WELDED TO TOP OF PIPE (PIPE, DOWN MOLD), FINAL WELD COLD GALVANIZED, BONDED TO TOP BUSS BAR WITH 2 HOLE COPPER COMPRESSION LUG, FLAT AND LOCK WASHER.

2. EXISTING/REUSED PIPES: #2 SOLID COPPER TINNED, BONDED WITH COLD WATER CLAMP TO TOP OF PIPE, BONDED TO TOP BUSS WITH 2 HOLE COPPER COMPRESSION LUG, FLAT AND LOCK WASHER

AIR TERMINALS:

TO BE INSTALLED, ONLY IF REQUIRED

TMA's, DIPLEXERS AND TRIPLEXERS:

1. #6 THHN, WITH PROPER COPPER COMPRESSION LUG, FLATS AND LOCK WASHERS

2. ALL GROUND LUGS ON TMA MUST BE GROUNDED WITH SEPARATE DOWNLEAD TO BUSS BAR (NO DAISY CHAINS)

ELEVATED STEEL PLATFORMS WITH LUNAR FEET:

#2 SOLID COPPER TINNED, EXOTHERMICALLY WELDED (FLAT PLATE MOLD) TO OUTSIDE PERIMETER BEAMS IN FOUR (4) PLACES, FINAL WELD COLD GALVANIZED, BONDED DIRECTLY TO SUBGRADE GROUND RING.

STEEL CANOPY (STEEL PLATFORM OR CONCRETE PAD):

1. #2 SOLID COPPER TINNED, EXOTHERMICALLY WELDED (PIPE, DOWN MOLD) TO BOTTOM OF ALL VERTICAL SUPPORT POSTS, TYPICALLY FOUR (4) PIPES, FINAL WELD COLD GALVANIZED, BONDED DIRECTLY TO SUBGRADE GROUND RING.

2. #2 SOLID COPPER TINNED, EXOTHERMICALLY WELDED (PIPE, UP MOLD) TO TOP OF ALL VERTICAL SUPPORT POSTS, TYPICALLY FOUR (4) PIPES, FINAL WELD COLD GALVANIZED, BONDED UP TO CANOPY GRIP-STRUT USING 2 HOLE COPPER COMPRESSION LUG, FLAT AND LOCK WASHER.

RRU:

#6 THHN, WITH PROPER COPPER COMPRESSION LUG, ANTI-OXIDANT TO SECTOR BUSS BAR

FSBE ALARM BOX:

#6 THHN WITH ONE HOLE LUG BONDED TO PREVIOUSLY GROUNDED FCOA, PLINTH OR BUSS BAR.

SURGE SUPPRESSORS:

#6 THHN TO PREVIOUSLY GROUNDED BUSS BAR USING PROPER LUGS

FYGA/FYGB BRACKET:

1. #6 THHN TO PREVIOUSLY GROUNDED BUSS BAR USING PROPER LUGS

2. THROUGH BOLTS WITH FLAT, LOCK ON BRACKET

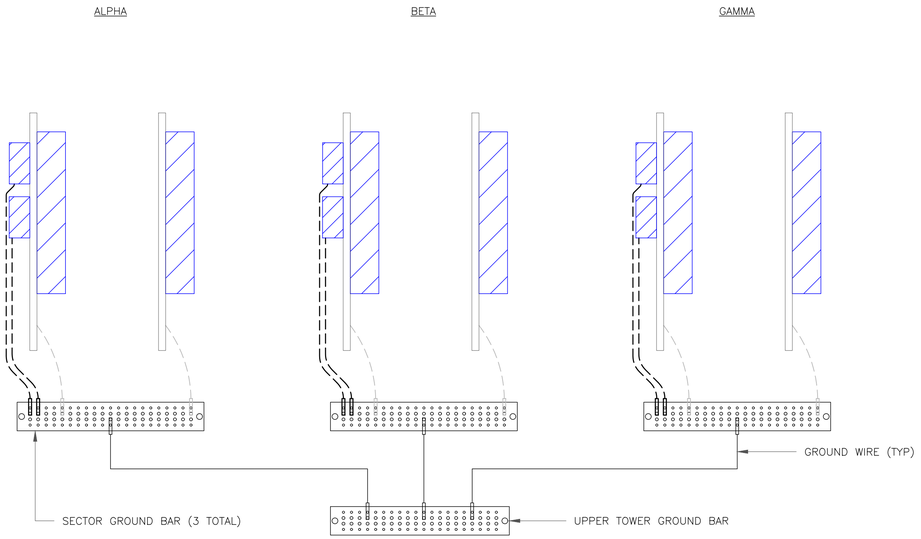
BUSS BARS:

1. PLATFORM / PAD BUSS BAR SHOULD BE MINIMUM 12" TINNED COPPER WITH INSULATORS, AND SHOULD HAVE TWO (2) EXOTHERMICALLY WELDED DOWN LEADS DIRECTLY TO GROUND RING USING #2 SOLID COPPER TINNED WIRE.

2. SECTOR BUSS BAR SHOULD BE PROPERLY SIZED TO ACCOMMODATE NECESSARY GROUNDING FOR EQUIPMENT ON EACH MOUNT, AND MAY BE SOLID COPPER (TINNED NOT REQUIRED). DO NOT USE INSULATORS ON SECTOR BUSS BARS ATTACH DIRECTLY TO TOWER MOUNT STEEL.

GENERAL:

- NO GROUND KITS ON HYBRID TRUNKS (TOP OR BOTTOM)
- NO GROUND KITS ON MICROWAVE IF CABLES (TOP OR BOTTOM)
- MICROWAVE SURGE SUPPRESSORS ARE NOT TO BE INSTALLED UPSTAIRS ON TOWER, DOWNSTAIRS ONLY (BULKHEAD PREFERRED)
- MICROWAVE ODU MUST BE GROUNDED TO TOWER TOP SECTOR OR COLLECTOR BUSS BAR
- ALL TMA'S AND DIPLEXERS MUST BE GROUNDED TO BUSS BAR. NO DAISY CHAIN ON TWIN/DUAL TMA
- ALL LUGS SHOULD BE PROPERLY SIZED FOR CONDUCTOR, BURNDY TINNED COPPER COMPRESSION STYLE
  1. INDOOR (OR INSIDE CABINET) SHOULD HAVE WINDOW
  2. OUTDOOR SHOULD NOT HAVE WINDOW
- CONTRACTOR TO VERIFY EXISTENCE AND LOCATION OF EXISTING SITE GROUND SYSTEM.
- CONTRACTOR SHALL VERIFY THAT GROUNDING ELECTRODES SHALL BE CONNECTED IN A RING USING #2 AWG BARE TINNED COPPER WIRE. THE TOP OF THE GROUND RODS AND THE RING CONDUCTOR SHALL BE 30" BELOW FINISHED GRADE, OR TO FROST DEPTH, WHICHEVER IS GREATER. GROUNDING ELECTRODES SHALL BE DRIVEN ON 10'-0" CENTERS (PROVIDE AND INSTALL AS REQUIRED. REQUIRED PER PLAN BELOW).
- GROUNDING CONDUCTORS SHALL BE OF EQUAL LENGTH, MATERIAL, AND BONDING TECHNIQUE.
- CONTRACTOR SHALL ENSURE GROUND RING IS WITHIN 12 TO 36 INCHES OF THE EQUIPMENT PAD. PROVIDE AND INSTALL GROUNDING CONNECTIONS SHOWN BELOW AS NEEDED PER EXISTING SITE GROUNDING SYSTEM. CONTRACTOR SHALL VERIFY ALL EXISTING SITE GROUNDING CONDITIONS BEFORE STARTING WORK OR PURCHASING EQUIPMENT.
- ALL DOWN CONDUCTORS MUST GO DOWN.



NOTE:

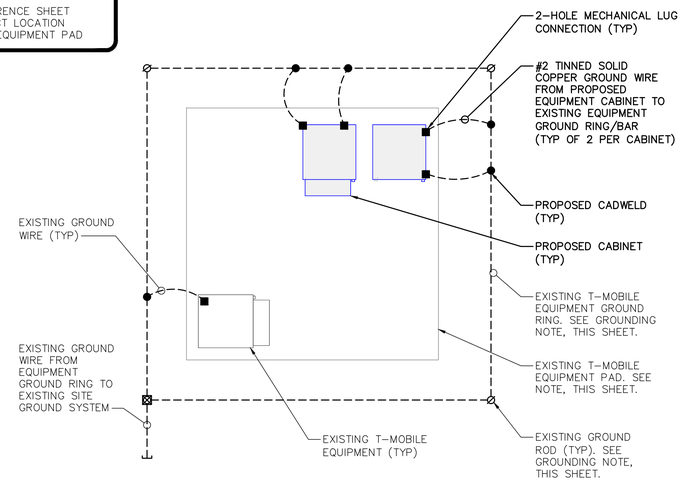
ALL NEW GROUNDS TO BE #6 STRANDED COPPER WITH GREEN INSULATION UNLESS NOTED OTHERWISE.

GROUNDING SHOWN TYPICAL PER SECTOR.

1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: NOT TO SCALE

NOTE:

CONTRACTOR TO REFERENCE SHEET C-1.1 & 1.2 FOR EXACT LOCATION AND ORIENTATION OF EQUIPMENT PAD



2 TYPICAL CABINET GROUNDING DIAGRAM
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 218229.498736

T-MOBILE SITE NUMBER:
CTHA696A

BU #: **876368**
YANKEE LAKE/EAST HAMPTON/TOWN

1 PUBLIC WORKS DRIVE
EAST HAMPTON, CT 06032
(MIDDLESEX COUNTY)

EXISTING 180'-0" MONOPOLE

ISSUED FOR:

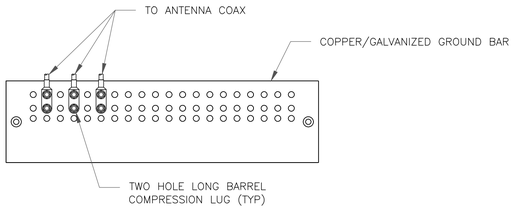
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	03/01/21	SBS	PRELIMINARY	BSE
0	03/26/21	JW	CONSTRUCTION	JTC
1	10/12/21	INS	CONSTRUCTION	JTC

SEAL:

10/12/21

SHEET NUMBER: G-1

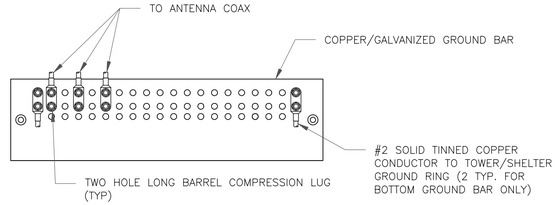
REVISION: 1



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.

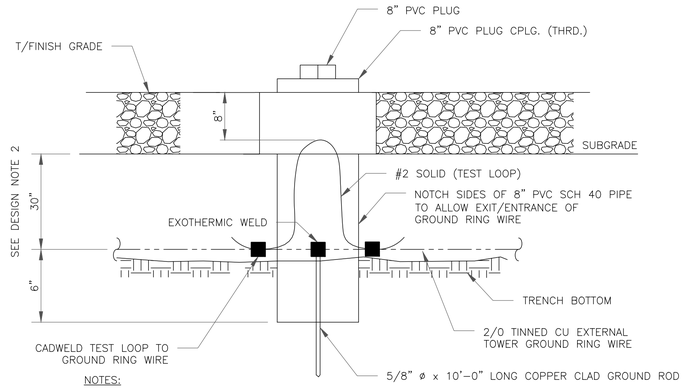
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

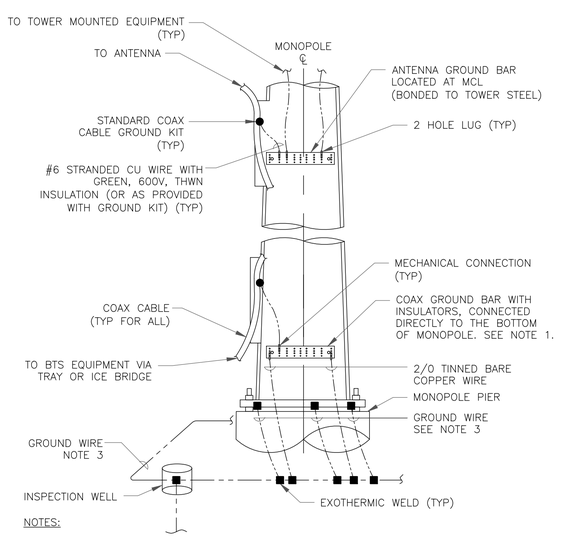
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

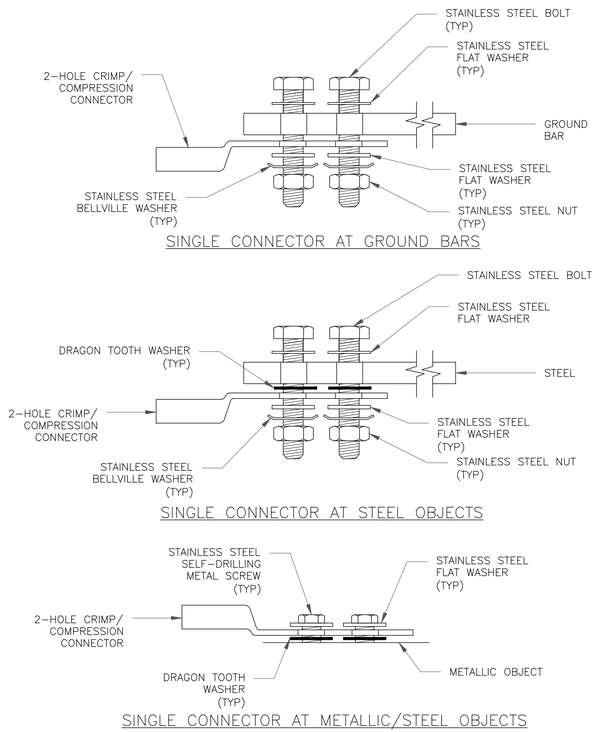
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



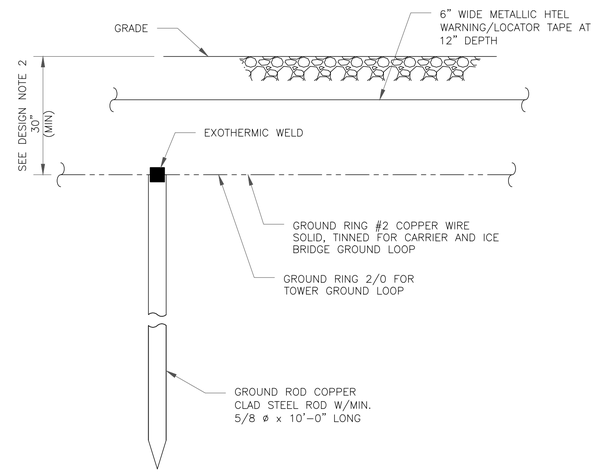
NOTES:

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
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TEP JOB #: 218229.498736

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1 PUBLIC WORKS DRIVE
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EXISTING 180'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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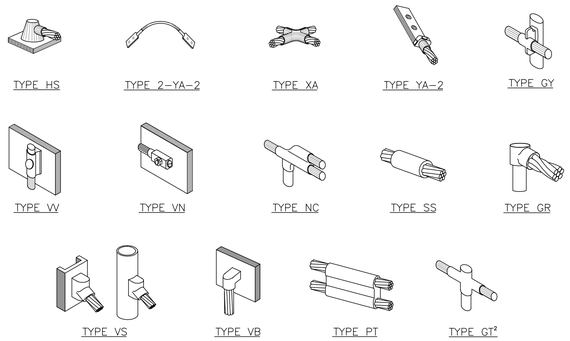
1	10/12/21	INS	CONSTRUCTION	JTC

SEAL:

10/12/21

SHEET NUMBER: G-2

REVISION: 1

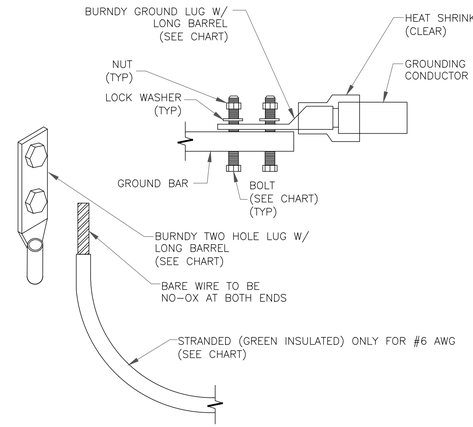


NOTE:

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

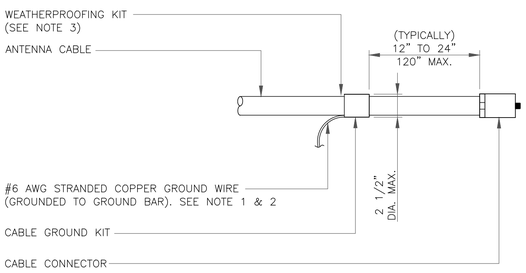
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

1. 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.

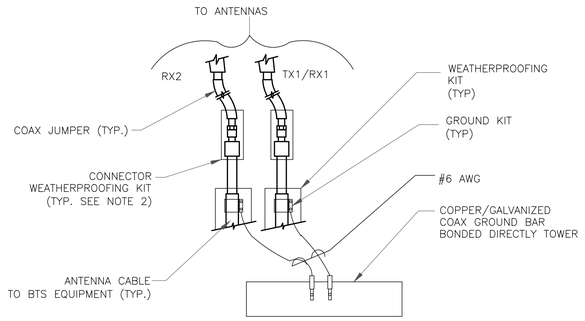
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

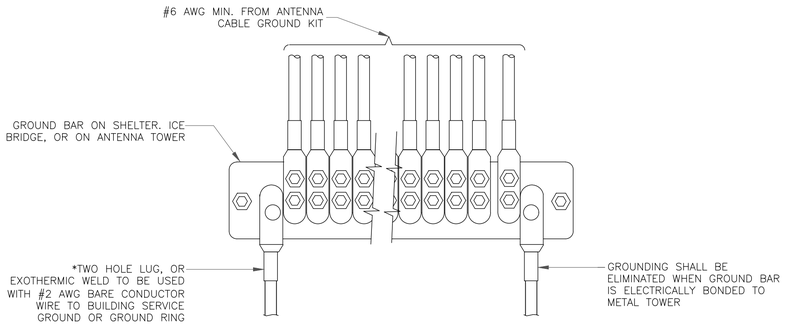
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



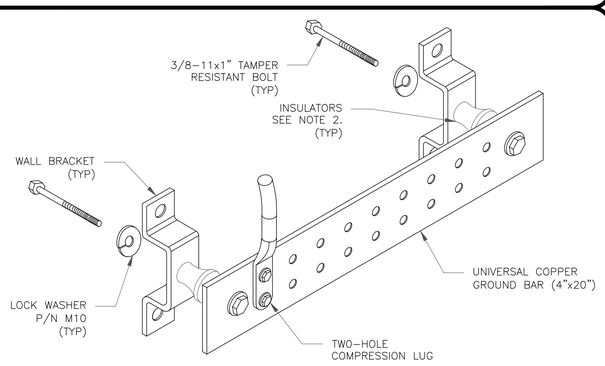
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



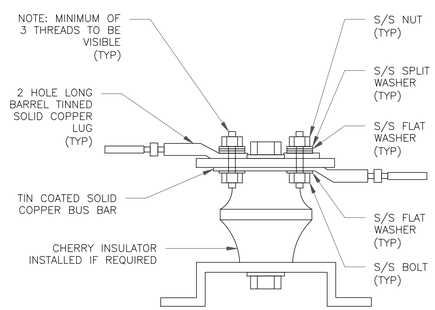
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



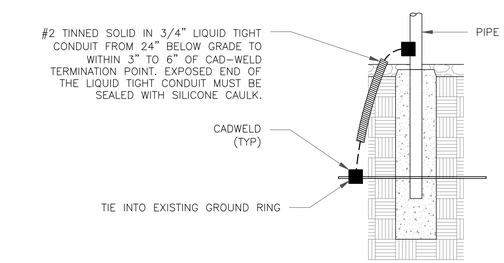
NOTES:

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.

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

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TEP JOB #: 218229.498736

T-MOBILE SITE NUMBER:
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BU #: **876368**
YANKEE LAKE/EAST HAMPTON/TOWN

1 PUBLIC WORKS DRIVE
EAST HAMPTON, CT 06032
(MIDDLESEX COUNTY)

EXISTING 180'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	03/01/21	SBS	PRELIMINARY	BSE
0	03/26/21	JW	CONSTRUCTION	JTC
1	10/12/21	INS	CONSTRUCTION	JTC

SEAL:

10/12/21

SHEET NUMBER: G-3

REVISION: 1

Exhibit D

Structural Analysis Report

Date: **October 01, 2021**

MORRISON HERSHFIELD

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Subject:	**Structural Analysis Report**	
Carrier Designation:		
	Site Number:	CTHA696A
	Site Name:	CTHA696A
Crown Castle Designation:	**BU Number:**	876368
	Site Name:	Yankee Lake/East Hampton/Town
	JDE Job Number:	684635
	Work Order Number:	2018255
	Order Number:	584618 Rev. 0
Engineering Firm Designation:	**Morrison Hershfield Project Number:** CN7-211R1 / 2101398	
Site Data:	**1 Public Works Dr., East Hampton, Middlesex County, CT 06032** **Latitude *41° 33' 53.14"*, Longitude *-72° 32' 35.18"*** **180 Foot – Valmont Monopole Tower**	

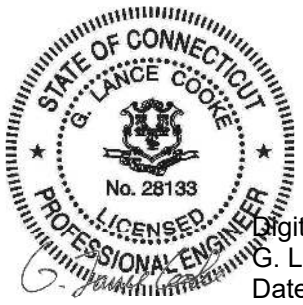
Morrison Hershfield is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

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 - 55.3%

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:



G. Lance Cooke, P.E. (CT License No. PEN.0028133)
Senior Engineer

Digitally signed by G. Lance Cooke
Date: 2021.10.01 10:57:48-07'00'

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 180 ft monopole tower designed by Valmont Industries, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	120 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1 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)
177.0	178.0	3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	3	1-5/8
		3	rfs celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		3	ericsson	Radio 4480_TMOV2		
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
	177.0	1	-	Platform Mount [LP 602-1_KCKR]		

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)
168.0	171.0	1	raycap	DC6-48-60-18-8F	12 6 2	1-5/8 3/4 3/8
	169.0	3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 32 B30		
		3	kaelus	DBC0061F1V51-2		
		6	powerwave technologies	7020.00		
		6	powerwave technologies	LGP21401		
		1	raycap	DC6-48-60-18-8F		
	168.0	1	-	Platform Mount [LP 303-1_HR-1]		
	167.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe		
		3	cci antennas	OPA65R-BU6BA-K w/ Mount Pipe		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		3	quintel technology	QS66512-2 w/ Mount Pipe		
		3	ericsson	RRUS 4478 B14		
		3	ericsson	RRUS 32 B66A		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	ericsson	RRUS 4449 B5/B12		
		1	raycap	DC6-48-60-0-8F		
154.0	157.0	6	commscope	LNX-6515DS-A1M w/ Mount Pipe	2	1-5/8
		6	commscope	HBXX-6517DS-A2M w/ Mount Pipe		
		3	alcatel lucent	RRH2X60-AWS		
		3	alcatel lucent	B66A RRH4X45		
		2	rfs celwave	DB-T1-6Z-8AB-0Z		
	154.0	1	-	Platform Mount [LP 304-1]		
119.0	131.0	5	decibel	DB264-A	9	1-1/4
	128.0	1	decibel	DB420		
	124.0	1	decibel	DB225-K		
	122.0	1	decibel	DB230-E		
	120.0	1	decibel	DB230-E		
	119.0	1	-	Platform Mount [LP 304-1]		
77.0	78.0	1	lucent	KS24019-L112A	1	1/2
	77.0	1	-	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	1441254	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	2069183	CCISITES
4-TOWER MANUFACTURER DRAWINGS	1531979	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.

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	180 - 140.083	Pole	TP31.67x24.16x0.2188	1	-13.92	1308.45	40.0	Pass
L2	140.083 - 92.5	Pole	TP40.17x30.3074x0.3438	2	-25.26	2606.62	52.8	Pass
L3	92.5 - 45.583	Pole	TP48.31x38.3553x0.4388	3	-39.73	4003.68	54.0	Pass
L4	45.583 - 0	Pole	TP56x46.1313x0.5	4	-61.44	5437.50	55.3	Pass
							Summary	
						Pole (L4)	55.3	Pass
						Rating =	55.3	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	47.9	Pass
1	Base Plate		35.0	Pass
1	Base Foundation (Structure)	0	52.1	Pass
1	Base Foundation (Soil Interaction)		51.6	Pass

Structure Rating (max from all components) =	55.3%*

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.
2) *Rating per TIA-222-H, Section 15.5.

4.1) Recommendations

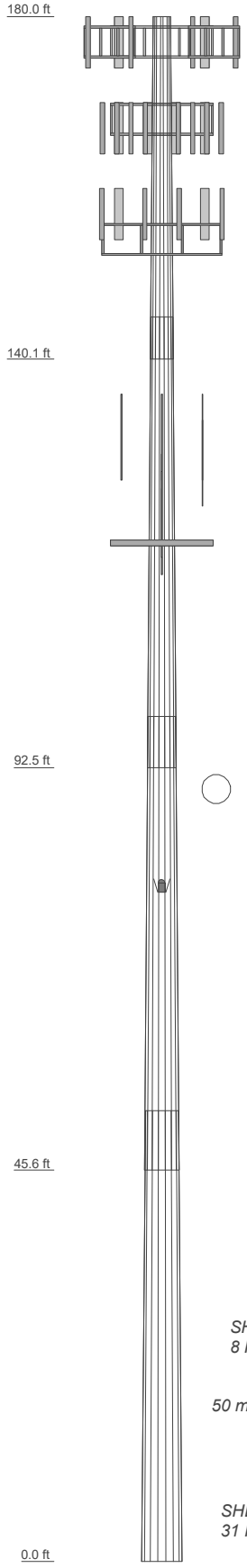
The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3	4
Length (ft)	39.92	52.50	52.92	52.50
Number of Sides	16	16	16	16
Thickness (in)	0.2188	0.3438	0.4387	0.5000
Socket Length (ft)	4.92	6.00	6.92	
Top Dia (in)	24.1600	30.3074	38.3553	46.1313
Bot Dia (in)	31.6700	40.1700	48.3100	56.0000
Grade	A572-65			
Weight (K)	2.6	6.8	10.8	14.4

Total Weight (K) 34.7



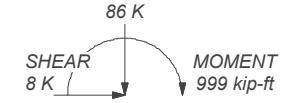
MATERIAL STRENGTH

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

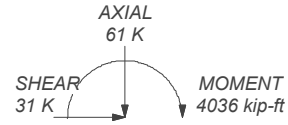
TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 55.3%

ALL REACTIONS ARE FACTORED



TORQUE 0 kip-ft
50 mph WIND - 1.0000 in ICE



TORQUE 1 kip-ft
REACTIONS - 120 mph WIND

Morrison Hershfield
Consulting Engineers
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
Phone: (770) 379-8500
FAX: (770) 379-8501

Job:	CN7-211R1 / 2101398		
Project:	876368 / Yankee Lake/East Hampton/Town		
Client: Crown Castle USA		Drawn by: BAP	App'd:
Code: TIA-222-H		Date: 10/01/21	Scale: NTS
Path: C:\Users\BPakam\Desktop\CN7-211 - 876368 - YANKEE LAKE\EAST HAMPTON\TOWN\CN7-211R1.SAI\Analysis\CN7-211R1.BU_876368\WO_2018255.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 Middlesex County, Connecticut.
Tower base elevation above sea level: 379.00 ft.
Basic wind speed of 120 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	*Elevation*	*Section Length*	*Splice Length*	*Number of Sides*	*Top Diameter*	*Bottom Diameter*	*Wall Thickness*	*Bend Radius*	*Pole Grade*
	ft	*ft*	*ft*		*in*	*in*	*in*	*in*	
L1	180.00-140.08	39.92	4.92	16	24.1600	31.6700	0.2188	0.8750	A572-65 (65 ksi)
L2	140.08-92.50	52.50	6.00	16	30.3074	40.1700	0.3438	1.3750	A572-65 (65 ksi)
L3	92.50-45.58	52.92	6.92	16	38.3553	48.3100	0.4387	1.7550	A572-65 (65 ksi)
L4	45.58-0.00	52.50		16	46.1313	56.0000	0.5000	2.0000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	24.5905	16.7065	1209.7443	8.5231	12.3216	98.1808	2437.8055	8.2605	4.3725	19.989
	32.2476	21.9471	2742.6276	11.1966	16.1517	169.8043	5526.7819	10.8517	5.8670	26.821
L2	31.7756	32.8570	3726.7693	10.6671	15.4568	241.1090	7509.9664	16.2461	5.3471	15.555
	40.8896	43.6720	8750.9661	14.1781	20.4867	427.1535	17634.4324	21.5935	7.3098	21.265
L3	40.1716	53.0685	9638.5174	13.4983	19.5612	492.7358	19422.9736	26.2396	6.7596	15.406
	49.1705	67.0012	19397.5321	17.0422	24.6381	787.2982	39088.7664	33.1286	8.7406	19.922
L4	48.2628	72.7819	19145.3441	16.2447	23.5270	813.7621	38580.5720	35.9868	8.1851	16.37
	56.9991	88.5225	34447.2058	19.7580	28.5600	1206.1347	69415.9843	43.7697	10.1490	20.298

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 180.00-140.08				1	1	1			
L2 140.08-92.50				1	1	1			
L3 92.50-45.58				1	1	1			
L4 45.58-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
******										
Climbing Pegs	A	No	Surface Ar (CaAa)	170.00 - 8.00	1	1	-0.350 -0.250	0.7050		1.80
******										
LDF7-50A(1-5/8)	C	No	Surface Ar (CaAa)	168.00 - 8.00	12	6	0.220 0.400	1.9800		0.82
FB-L98B-002-75000(3/8)	C	No	Surface Ar (CaAa)	168.00 - 8.00	2	1	0.180 0.180	0.3937		0.06
WR-VG86ST-BRD(3/4)	C	No	Surface Ar (CaAa)	168.00 - 8.00	4	2	0.190 0.220	0.7950		0.58
***										
WR-VG86ST-BRD(3/4)	C	No	Surface Ar (CaAa)	168.00 - 8.00	2	2	0.190 0.220	0.7950		0.58
******										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
******									
***									
HB158-21U6S24-xxM_TMO(1-5/8)	A	No	No	Inside Pole	177.00 - 1.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.50 2.50 2.50
******									
HB158-1-08U8-S8J18(1-5/8)	B	No	No	Inside Pole	154.00 - 1.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.30 1.30 1.30

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
******									
LDF6-50A(1-1/4)	C	No	No	Inside Pole	119.00 - 8.00	9	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
******									
LDF4-50A(1/2)	A	No	No	Inside Pole	77.00 - 8.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
******									

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	180.00-140.08	A	0.000	0.000	2.109	0.000	0.33
		B	0.000	0.000	0.000	0.000	0.04
		C	0.000	0.000	43.142	0.000	0.38
L2	140.08-92.50	A	0.000	0.000	3.355	0.000	0.44
		B	0.000	0.000	0.000	0.000	0.12
		C	0.000	0.000	73.533	0.000	0.78
L3	92.50-45.58	A	0.000	0.000	3.308	0.000	0.44
		B	0.000	0.000	0.000	0.000	0.12
		C	0.000	0.000	72.504	0.000	0.88
L4	45.58-0.00	A	0.000	0.000	2.650	0.000	0.41
		B	0.000	0.000	0.000	0.000	0.12
		C	0.000	0.000	58.080	0.000	0.71

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	180.00-140.08	A	0.995	0.000	0.000	8.062	0.000	0.39
		B		0.000	0.000	0.000	0.000	0.04
		C		0.000	0.000	80.040	0.000	1.11
L2	140.08-92.50	A	0.964	0.000	0.000	12.823	0.000	0.54
		B		0.000	0.000	0.000	0.000	0.12
		C		0.000	0.000	136.423	0.000	2.03
L3	92.50-45.58	A	0.915	0.000	0.000	12.349	0.000	0.53
		B		0.000	0.000	0.000	0.000	0.12
		C		0.000	0.000	133.115	0.000	2.07
L4	45.58-0.00	A	0.818	0.000	0.000	9.526	0.000	0.48
		B		0.000	0.000	0.000	0.000	0.12
		C		0.000	0.000	104.893	0.000	1.61

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	180.00-140.08	-3.6487	4.9631	-3.2754	4.4666
L2	140.08-92.50	-4.6894	6.4067	-4.1862	5.7574
L3	92.50-45.58	-5.0045	6.8387	-4.5930	6.3181
L4	45.58-0.00	-4.5247	6.1840	-4.3096	5.9293

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	2	Climbing Pegs	140.08 - 170.00	1.0000	1.0000
L1	9	LDF7-50A(1-5/8)	140.08 - 168.00	1.0000	1.0000
L1	10	FB-L98B-002-75000(3/8)	140.08 - 168.00	1.0000	1.0000
L1	11	WR-VG86ST-BRD(3/4)	140.08 - 168.00	1.0000	1.0000
L1	13	WR-VG86ST-BRD(3/4)	140.08 - 168.00	1.0000	1.0000
L2	2	Climbing Pegs	92.50 - 140.08	1.0000	1.0000
L2	9	LDF7-50A(1-5/8)	92.50 - 140.08	1.0000	1.0000
L2	10	FB-L98B-002-75000(3/8)	92.50 - 140.08	1.0000	1.0000
L2	11	WR-VG86ST-BRD(3/4)	92.50 - 140.08	1.0000	1.0000
L2	13	WR-VG86ST-BRD(3/4)	92.50 - 140.08	1.0000	1.0000
L3	2	Climbing Pegs	45.58 - 92.50	1.0000	1.0000
L3	9	LDF7-50A(1-5/8)	45.58 - 92.50	1.0000	1.0000
L3	10	FB-L98B-002-75000(3/8)	45.58 - 92.50	1.0000	1.0000
L3	11	WR-VG86ST-BRD(3/4)	45.58 - 92.50	1.0000	1.0000
L3	13	WR-VG86ST-BRD(3/4)	45.58 - 92.50	1.0000	1.0000
L4	2	Climbing Pegs	8.00 - 45.58	1.0000	1.0000
L4	9	LDF7-50A(1-5/8)	8.00 - 45.58	1.0000	1.0000
L4	10	FB-L98B-002-75000(3/8)	8.00 - 45.58	1.0000	1.0000
L4	11	WR-VG86ST-BRD(3/4)	8.00 - 45.58	1.0000	1.0000
L4	13	WR-VG86ST-BRD(3/4)	8.00 - 45.58	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
******									
7'x2" Antenna Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	1.66 2.39 2.83	1.66 2.39 2.83	0.03 0.04 0.06
7'x2" Antenna Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	1.66 2.39 2.83	1.66 2.39 2.83	0.03 0.04 0.06
7'x2" Antenna Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	1.66 2.39 2.83	1.66 2.39 2.83	0.03 0.04 0.06
6' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
6' x 2" Mount Pipe	B	From Leg	4.00 0.00	0.0000	177.00	No Ice 1/2"	1.43 1.92	1.43 1.92	0.02 0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			Ice 1" Ice	2.29	2.29	0.05
6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
Platform Mount [LP 602-1_KCKR]	A	None		0.0000	177.00	No Ice 1/2" Ice 1" Ice	42.30 49.04 55.87	42.30 49.04 55.87	1.62 2.38 3.27
***									
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	177.00	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
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	177.00	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
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	177.00	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
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	5.19 5.59 6.02	2.71 3.04 3.38	0.13 0.17 0.23
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	5.19 5.59 6.02	2.71 3.04 3.38	0.13 0.17 0.23
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	5.19 5.59 6.02	2.71 3.04 3.38	0.13 0.17 0.23
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.00 0.00 1.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.00 0.00 1.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.00 0.00 1.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
Radio 4480_TMOV2	A	From Leg	4.00 0.00 1.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
Radio 4480_TMOV2	B	From Leg	4.00 0.00 1.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
Radio 4480_TMOV2	C	From Leg	4.00 0.00 1.00	0.0000	177.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
******									
7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 -1.00	0.0000	168.00	No Ice 1/2" Ice 1" Ice	5.75 6.18 6.61	4.25 5.01 5.71	0.06 0.10 0.16
7770.00 w/ Mount Pipe	B	From Leg	4.00	0.0000	168.00	No Ice	5.75	4.25	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2"	6.18	5.01	0.10
			-1.00			Ice	6.61	5.71	0.16
						1" Ice			
7770.00 w/ Mount Pipe	C	From Leg	4.00	0.0000	168.00	No Ice	5.75	4.25	0.06
			0.00			1/2"	6.18	5.01	0.10
			-1.00			Ice	6.61	5.71	0.16
						1" Ice			
QS66512-2 w/ Mount Pipe	A	From Leg	4.00	0.0000	168.00	No Ice	4.04	4.18	0.14
			0.00			1/2"	4.42	4.57	0.21
			-1.00			Ice	4.82	4.97	0.29
						1" Ice			
QS66512-2 w/ Mount Pipe	B	From Leg	4.00	0.0000	168.00	No Ice	4.04	4.18	0.14
			0.00			1/2"	4.42	4.57	0.21
			-1.00			Ice	4.82	4.97	0.29
						1" Ice			
QS66512-2 w/ Mount Pipe	C	From Leg	4.00	0.0000	168.00	No Ice	4.04	4.18	0.14
			0.00			1/2"	4.42	4.57	0.21
			-1.00			Ice	4.82	4.97	0.29
						1" Ice			
(3) LGP21401	A	From Leg	4.00	0.0000	168.00	No Ice	1.10	0.21	0.01
			0.00			1/2"	1.24	0.27	0.02
			1.00			Ice	1.38	0.35	0.03
						1" Ice			
(2) LGP21401	B	From Leg	4.00	0.0000	168.00	No Ice	1.10	0.21	0.01
			0.00			1/2"	1.24	0.27	0.02
			1.00			Ice	1.38	0.35	0.03
						1" Ice			
LGP21401	C	From Leg	4.00	0.0000	168.00	No Ice	1.10	0.21	0.01
			0.00			1/2"	1.24	0.27	0.02
			1.00			Ice	1.38	0.35	0.03
						1" Ice			
(2) 7020.00	A	From Leg	4.00	0.0000	168.00	No Ice	0.10	0.17	0.00
			0.00			1/2"	0.15	0.24	0.01
			1.00			Ice	0.20	0.31	0.01
						1" Ice			
(2) 7020.00	B	From Leg	4.00	0.0000	168.00	No Ice	0.10	0.17	0.00
			0.00			1/2"	0.15	0.24	0.01
			1.00			Ice	0.20	0.31	0.01
						1" Ice			
(2) 7020.00	C	From Leg	4.00	0.0000	168.00	No Ice	0.10	0.17	0.00
			0.00			1/2"	0.15	0.24	0.01
			1.00			Ice	0.20	0.31	0.01
						1" Ice			
RRUS 32 B2	A	From Leg	4.00	0.0000	168.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			1.00			Ice	3.18	2.05	0.10
						1" Ice			
RRUS 32 B2	B	From Leg	4.00	0.0000	168.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			1.00			Ice	3.18	2.05	0.10
						1" Ice			
RRUS 32 B2	C	From Leg	4.00	0.0000	168.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			1.00			Ice	3.18	2.05	0.10
						1" Ice			
RRUS 32 B30	A	From Leg	4.00	0.0000	168.00	No Ice	2.69	1.57	0.06
			0.00			1/2"	2.91	1.76	0.08
			1.00			Ice	3.14	1.95	0.10
						1" Ice			
RRUS 32 B30	B	From Leg	4.00	0.0000	168.00	No Ice	2.69	1.57	0.06
			0.00			1/2"	2.91	1.76	0.08
			1.00			Ice	3.14	1.95	0.10
						1" Ice			
RRUS 32 B30	C	From Leg	4.00	0.0000	168.00	No Ice	2.69	1.57	0.06
			0.00			1/2"	2.91	1.76	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			1.00			Ice	3.14	1.95	0.10
						1" Ice			
DBC0061F1V51-2	A	From Leg	4.00	0.0000	168.00	No Ice	0.43	0.41	0.03
			0.00			1/2"	0.51	0.50	0.03
			1.00			Ice	0.61	0.59	0.04
						1" Ice			
DBC0061F1V51-2	B	From Leg	4.00	0.0000	168.00	No Ice	0.43	0.41	0.03
			0.00			1/2"	0.51	0.50	0.03
			1.00			Ice	0.61	0.59	0.04
						1" Ice			
DBC0061F1V51-2	C	From Leg	4.00	0.0000	168.00	No Ice	0.43	0.41	0.03
			0.00			1/2"	0.51	0.50	0.03
			1.00			Ice	0.61	0.59	0.04
						1" Ice			
DC6-48-60-18-8F	A	From Leg	1.00	0.0000	168.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			1.00			Ice	1.64	1.64	0.06
						1" Ice			
DC6-48-60-18-8F	A	From Leg	1.00	0.0000	168.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			3.00			Ice	1.64	1.64	0.06
						1" Ice			
***									
OPA65R-BU6BA-K w/ Mount Pipe	A	From Leg	4.00	0.0000	168.00	No Ice	6.76	6.06	0.10
			0.00			1/2"	7.40	6.69	0.16
			-1.00			Ice	8.06	7.33	0.24
						1" Ice			
OPA65R-BU6BA-K w/ Mount Pipe	B	From Leg	4.00	0.0000	168.00	No Ice	6.76	6.06	0.10
			0.00			1/2"	7.40	6.69	0.16
			-1.00			Ice	8.06	7.33	0.24
						1" Ice			
OPA65R-BU6BA-K w/ Mount Pipe	C	From Leg	4.00	0.0000	168.00	No Ice	6.76	6.06	0.10
			0.00			1/2"	7.40	6.69	0.16
			-1.00			Ice	8.06	7.33	0.24
						1" Ice			
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.00	0.0000	168.00	No Ice	11.96	5.97	0.11
			0.00			1/2"	12.70	6.63	0.20
			-1.00			Ice	13.46	7.30	0.30
						1" Ice			
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.00	0.0000	168.00	No Ice	11.96	5.97	0.11
			0.00			1/2"	12.70	6.63	0.20
			-1.00			Ice	13.46	7.30	0.30
						1" Ice			
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.00	0.0000	168.00	No Ice	11.96	5.97	0.11
			0.00			1/2"	12.70	6.63	0.20
			-1.00			Ice	13.46	7.30	0.30
						1" Ice			
RRUS 4478 B14	A	From Leg	4.00	0.0000	168.00	No Ice	1.84	1.06	0.06
			0.00			1/2"	2.01	1.20	0.08
			-1.00			Ice	2.19	1.34	0.09
						1" Ice			
RRUS 4478 B14	B	From Leg	4.00	0.0000	168.00	No Ice	1.84	1.06	0.06
			0.00			1/2"	2.01	1.20	0.08
			-1.00			Ice	2.19	1.34	0.09
						1" Ice			
RRUS 4478 B14	C	From Leg	4.00	0.0000	168.00	No Ice	1.84	1.06	0.06
			0.00			1/2"	2.01	1.20	0.08
			-1.00			Ice	2.19	1.34	0.09
						1" Ice			
RRUS 32 B66A	A	From Leg	4.00	0.0000	168.00	No Ice	2.86	1.78	0.06
			0.00			1/2"	3.09	1.97	0.08
			-1.00			Ice	3.32	2.17	0.10
						1" Ice			
RRUS 32 B66A	B	From Leg	4.00	0.0000	168.00	No Ice	2.86	1.78	0.06
			0.00			1/2"	3.09	1.97	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			-1.00			Ice	3.32	2.17	0.10
						1" Ice			
RRUS 32 B66A	C	From Leg	4.00	0.0000	168.00	No Ice	2.86	1.78	0.06
			0.00			1/2"	3.09	1.97	0.08
			-1.00			Ice	3.32	2.17	0.10
						1" Ice			
RRUS 4449 B5/B12	A	From Leg	4.00	0.0000	168.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			-1.00			Ice	2.33	1.73	0.11
						1" Ice			
RRUS 4449 B5/B12	B	From Leg	4.00	0.0000	168.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			-1.00			Ice	2.33	1.73	0.11
						1" Ice			
RRUS 4449 B5/B12	C	From Leg	1.00	0.0000	168.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			-1.00			Ice	2.33	1.73	0.11
						1" Ice			
DC6-48-60-0-8F	A	From Leg	4.00	0.0000	168.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			-1.00			Ice	1.64	1.64	0.06
						1" Ice			
Platform Mount [LP 303-1_HR-1]	A	None		0.0000	168.00	No Ice	17.09	17.09	1.50
						1/2"	21.47	21.47	1.88
						Ice	25.72	25.72	2.35
						1" Ice			
******									
(2) HBXX-6517DS-A2M w/ Mount Pipe	A	From Leg	4.00	0.0000	154.00	No Ice	7.97	5.99	0.08
			0.00			1/2"	8.73	6.72	0.14
			3.00			Ice	9.50	7.47	0.22
						1" Ice			
(2) HBXX-6517DS-A2M w/ Mount Pipe	B	From Leg	4.00	0.0000	154.00	No Ice	7.97	5.99	0.08
			0.00			1/2"	8.73	6.72	0.14
			3.00			Ice	9.50	7.47	0.22
						1" Ice			
(2) HBXX-6517DS-A2M w/ Mount Pipe	C	From Leg	4.00	0.0000	154.00	No Ice	7.97	5.99	0.08
			0.00			1/2"	8.73	6.72	0.14
			3.00			Ice	9.50	7.47	0.22
						1" Ice			
(2) LNX-6515DS-A1M w/ Mount Pipe	A	From Leg	4.00	0.0000	154.00	No Ice	5.31	4.27	0.08
			0.00			1/2"	5.80	4.75	0.17
			3.00			Ice	6.30	5.24	0.26
						1" Ice			
(2) LNX-6515DS-A1M w/ Mount Pipe	B	From Leg	4.00	0.0000	154.00	No Ice	5.31	4.27	0.08
			0.00			1/2"	5.80	4.75	0.17
			3.00			Ice	6.30	5.24	0.26
						1" Ice			
(2) LNX-6515DS-A1M w/ Mount Pipe	C	From Leg	4.00	0.0000	154.00	No Ice	5.31	4.27	0.08
			0.00			1/2"	5.80	4.75	0.17
			3.00			Ice	6.30	5.24	0.26
						1" Ice			
B66A RRH4X45	A	From Leg	4.00	0.0000	154.00	No Ice	2.58	1.63	0.06
			0.00			1/2"	2.79	1.81	0.08
			3.00			Ice	3.01	2.00	0.10
						1" Ice			
B66A RRH4X45	B	From Leg	4.00	0.0000	154.00	No Ice	2.58	1.63	0.06
			0.00			1/2"	2.79	1.81	0.08
			3.00			Ice	3.01	2.00	0.10
						1" Ice			
B66A RRH4X45	C	From Leg	4.00	0.0000	154.00	No Ice	2.58	1.63	0.06
			0.00			1/2"	2.79	1.81	0.08
			3.00			Ice	3.01	2.00	0.10
						1" Ice			
RRH2X60-AWS	A	From Leg	4.00	0.0000	154.00	No Ice	3.50	2.10	0.06
			0.00			1/2"	3.76	2.34	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			3.00			Ice 1" Ice	4.03	2.58	0.11
RRH2X60-AWS	B	From Leg	4.00 0.00 3.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	3.50 3.76 4.03	2.10 2.34 2.58	0.06 0.08 0.11
RRH2X60-AWS	C	From Leg	4.00 0.00 3.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	3.50 3.76 4.03	2.10 2.34 2.58	0.06 0.08 0.11
DB-T1-6Z-8AB-0Z	A	From Leg	4.00 0.00 3.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	4.80 5.07 5.35	2.00 2.19 2.39	0.04 0.08 0.12
DB-T1-6Z-8AB-0Z	B	From Leg	4.00 0.00 3.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	4.80 5.07 5.35	2.00 2.19 2.39	0.04 0.08 0.12
Platform Mount [LP 304-1]	C	None		0.0000	154.00	No Ice 1/2" Ice 1" Ice	17.49 21.37 25.28	17.49 21.37 25.28	1.35 1.71 2.13
******									
DB225-K	A	From Leg	4.00 0.00 5.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	0.45 0.81 1.17	0.45 0.81 1.17	0.00 0.00 0.00
(2) DB264-A	A	From Leg	4.00 0.00 12.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	3.16 5.69 8.22	3.16 5.69 8.22	0.04 0.05 0.06
DB264-A	B	From Leg	4.00 0.00 12.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	3.16 5.69 8.22	3.16 5.69 8.22	0.04 0.05 0.06
(2) DB264-A	C	From Leg	4.00 0.00 12.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	3.16 5.69 8.22	3.16 5.69 8.22	0.04 0.05 0.06
DB230-E	A	From Leg	4.00 0.00 1.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	0.50 0.90 1.30	0.50 0.90 1.30	0.03 0.04 0.04
DB230-E	A	From Leg	4.00 0.00 3.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	0.50 0.90 1.30	0.50 0.90 1.30	0.03 0.04 0.04
DB420	B	From Leg	4.00 0.00 9.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	3.33 5.99 8.66	3.33 5.99 8.66	0.03 0.04 0.05
(3) 5' x 2'' Pipe Mount	A	From Leg	4.00 0.00 0.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	1.19 1.50 1.81	1.19 1.50 1.81	0.02 0.03 0.04
(4) 5' x 2'' Pipe Mount	B	From Leg	4.00 0.00 0.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	1.19 1.50 1.81	1.19 1.50 1.81	0.02 0.03 0.04
(3) 5' x 2'' Pipe Mount	C	From Leg	4.00 0.00 0.00	0.0000	119.00	No Ice 1/2" Ice 1" Ice	1.19 1.50 1.81	1.19 1.50 1.81	0.02 0.03 0.04
Platform Mount [LP 304-1]	C	None		0.0000	119.00	No Ice 1/2"	17.49 21.37	17.49 21.37	1.35 1.71

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						Ice 1" Ice	25.28	25.28	2.13
******									
KS24019-L112A	A	From Leg	4.00 0.00 1.00	0.0000	77.00	No Ice 1/2" Ice 1" Ice	0.14 0.20 0.26	0.14 0.20 0.26	0.01 0.01 0.01
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.00 0.00	0.0000	77.00	No Ice 1/2" Ice 1" Ice	0.85 1.14 1.43	1.67 2.34 3.01	0.07 0.08 0.09
******									

Load Combinations

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

Comb. No.	Description
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	180 - 140.083	Pole	Max Tension	3	0.00	0.00	-0.00
			Max. Compression	26	-27.10	-0.97	-0.09
			Max. Mx	8	-14.05	-340.58	-0.83
			Max. My	2	-14.04	0.44	341.93
			Max. Vy	8	15.80	-340.58	-0.83
			Max. Vx	14	15.90	-1.27	-341.82
			Max. Torque	23			-0.73
L2	140.083 - 92.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.98	-0.96	-2.82
			Max. Mx	8	-25.44	-1218.14	-4.25
			Max. My	14	-25.43	-3.87	-1224.69
			Max. Vy	8	21.78	-1218.14	-4.25
			Max. Vx	14	21.87	-3.87	-1224.69
			Max. Torque	23			-0.99
L3	92.5 - 45.583	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.80	-0.68	-6.09
			Max. Mx	8	-39.85	-2310.98	-7.91
			Max. My	14	-39.84	-6.29	-2322.51
			Max. Vy	8	25.60	-2310.98	-7.91
			Max. Vx	14	25.67	-6.29	-2322.51
			Max. Torque	23			-1.18
L4	45.583 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.00	-0.36	-9.86
			Max. Mx	8	-61.44	-3748.21	-12.27
			Max. My	14	-61.44	-8.95	-3764.87
			Max. Vy	8	28.97	-3748.21	-12.27
			Max. Vx	14	29.03	-8.95	-3764.87
			Max. Torque	23			-1.18

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	33	86.00	-0.01	-7.64
	Max. H_x	21	46.10	28.93	0.05
	Max. H_z	3	46.10	0.05	28.99
	Max. M_x	2	3758.09	0.05	28.99
	Max. M_z	8	3748.21	-28.93	-0.05
	Max. Torsion	11	1.17	-27.15	-15.74
	Min. Vert	23	46.10	27.15	15.74
	Min. H_x	9	46.10	-28.93	-0.05
	Min. H_z	15	46.10	-0.05	-28.99
	Min. M_x	14	-3764.87	-0.05	-28.99
	Min. M_z	20	-3748.01	28.93	0.05
	Min. Torsion	23	-1.18	27.15	15.74

Tower Mast Reaction Summary

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead Only	51.22	0.00	0.00	2.70	-0.06	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	61.46	-0.05	-28.99	-3758.09	8.76	0.67
0.9 Dead+1.0 Wind 0 deg - No Ice	46.10	-0.05	-28.99	-3706.32	8.66	0.67
1.2 Dead+1.0 Wind 30 deg - No Ice	61.46	14.42	-25.08	-3249.75	-1866.48	0.10
0.9 Dead+1.0 Wind 30 deg - No Ice	46.10	14.42	-25.08	-3205.11	-1840.36	0.10
1.2 Dead+1.0 Wind 60 deg - No Ice	61.46	25.03	-14.45	-1869.70	-3241.65	-0.50
0.9 Dead+1.0 Wind 60 deg - No Ice	46.10	25.03	-14.45	-1844.38	-3196.29	-0.50
1.2 Dead+1.0 Wind 90 deg - No Ice	61.46	28.93	0.05	12.27	-3748.21	-0.97
0.9 Dead+1.0 Wind 90 deg - No Ice	46.10	28.93	0.05	11.25	-3695.76	-0.97
1.2 Dead+1.0 Wind 120 deg - No Ice	61.46	27.15	15.74	2029.32	-3488.61	-1.17
0.9 Dead+1.0 Wind 120 deg - No Ice	46.10	27.15	15.74	2000.36	-3440.27	-1.17
1.2 Dead+1.0 Wind 150 deg - No Ice	61.46	14.51	25.14	3265.36	-1881.79	-1.07
0.9 Dead+1.0 Wind 150 deg - No Ice	46.10	14.51	25.14	3218.83	-1855.44	-1.07
1.2 Dead+1.0 Wind 180 deg - No Ice	61.46	0.05	28.99	3764.87	-8.95	-0.67
0.9 Dead+1.0 Wind 180 deg - No Ice	46.10	0.05	28.99	3711.35	-8.79	-0.68
1.2 Dead+1.0 Wind 210 deg - No Ice	61.46	-14.42	25.08	3256.54	1866.28	-0.10
0.9 Dead+1.0 Wind 210 deg - No Ice	46.10	-14.42	25.08	3210.14	1840.22	-0.10
1.2 Dead+1.0 Wind 240 deg - No Ice	61.46	-25.03	14.45	1876.50	3241.44	0.50
0.9 Dead+1.0 Wind 240 deg - No Ice	46.10	-25.03	14.45	1849.42	3196.15	0.50
1.2 Dead+1.0 Wind 270 deg - No Ice	61.46	-28.93	-0.05	-5.45	3748.01	0.97
0.9 Dead+1.0 Wind 270 deg - No Ice	46.10	-28.93	-0.05	-6.20	3695.62	0.97
1.2 Dead+1.0 Wind 300 deg - No Ice	61.46	-27.15	-15.74	-2022.51	3488.43	1.18
0.9 Dead+1.0 Wind 300 deg - No Ice	46.10	-27.15	-15.74	-1995.31	3440.15	1.18
1.2 Dead+1.0 Wind 330 deg - No Ice	61.46	-14.51	-25.14	-3258.57	1881.61	1.07
0.9 Dead+1.0 Wind 330 deg - No Ice	46.10	-14.51	-25.14	-3213.80	1855.32	1.07
1.2 Dead+1.0 Ice+1.0 Temp	86.00	0.00	0.00	9.86	-0.36	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	86.00	-0.01	-7.64	-978.55	1.36	0.16
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	86.00	3.81	-6.61	-845.23	-491.99	-0.02
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	86.00	6.60	-3.81	-482.73	-853.61	-0.19
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	86.00	7.63	0.01	11.83	-986.61	-0.32
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	86.00	6.61	3.83	505.91	-855.34	-0.36
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	86.00	3.82	6.62	867.15	-494.99	-0.30
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	86.00	0.01	7.64	998.73	-2.10	-0.16
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	86.00	-3.81	6.61	865.42	491.24	0.02

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 240 deg+1.0 Ice+1.0 Temp	86.00	-6.60	3.81	502.92	852.86	0.19
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	86.00	-7.63	-0.01	8.36	985.86	0.32
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	86.00	-6.61	-3.83	-485.73	854.60	0.36
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	86.00	-3.82	-6.62	-846.96	494.24	0.30
Dead+Wind 0 deg - Service	51.22	-0.01	-6.83	-876.29	1.99	0.16
Dead+Wind 30 deg - Service	51.22	3.40	-5.91	-757.48	-436.28	0.02
Dead+Wind 60 deg - Service	51.22	5.90	-3.40	-434.95	-757.67	-0.13
Dead+Wind 90 deg - Service	51.22	6.82	0.01	4.88	-876.06	-0.24
Dead+Wind 120 deg - Service	51.22	6.40	3.71	476.37	-815.53	-0.29
Dead+Wind 150 deg - Service	51.22	3.42	5.92	765.17	-439.86	-0.26
Dead+Wind 180 deg - Service	51.22	0.01	6.83	881.91	-2.15	-0.16
Dead+Wind 210 deg - Service	51.22	-3.40	5.91	763.10	436.12	-0.02
Dead+Wind 240 deg - Service	51.22	-5.90	3.40	440.57	757.50	0.13
Dead+Wind 270 deg - Service	51.22	-6.82	-0.01	0.74	875.89	0.24
Dead+Wind 300 deg - Service	51.22	-6.40	-3.71	-470.74	815.36	0.29
Dead+Wind 330 deg - Service	51.22	-3.42	-5.92	-759.55	439.70	0.26

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-51.22	0.00	0.00	51.22	0.00	0.000%
2	-0.05	-61.46	-28.99	0.05	61.46	28.99	0.000%
3	-0.05	-46.10	-28.99	0.05	46.10	28.99	0.000%
4	14.42	-61.46	-25.08	-14.42	61.46	25.08	0.000%
5	14.42	-46.10	-25.08	-14.42	46.10	25.08	0.000%
6	25.03	-61.46	-14.45	-25.03	61.46	14.45	0.000%
7	25.03	-46.10	-14.45	-25.03	46.10	14.45	0.000%
8	28.93	-61.46	0.05	-28.93	61.46	-0.05	0.000%
9	28.93	-46.10	0.05	-28.93	46.10	-0.05	0.000%
10	27.15	-61.46	15.74	-27.15	61.46	-15.74	0.000%
11	27.15	-46.10	15.74	-27.15	46.10	-15.74	0.000%
12	14.51	-61.46	25.14	-14.51	61.46	-25.14	0.000%
13	14.51	-46.10	25.14	-14.51	46.10	-25.14	0.000%
14	0.05	-61.46	28.99	-0.05	61.46	-28.99	0.000%
15	0.05	-46.10	28.99	-0.05	46.10	-28.99	0.000%
16	-14.42	-61.46	25.08	14.42	61.46	-25.08	0.000%
17	-14.42	-46.10	25.08	14.42	46.10	-25.08	0.000%
18	-25.03	-61.46	14.45	25.03	61.46	-14.45	0.000%
19	-25.03	-46.10	14.45	25.03	46.10	-14.45	0.000%
20	-28.93	-61.46	-0.05	28.93	61.46	0.05	0.000%
21	-28.93	-46.10	-0.05	28.93	46.10	0.05	0.000%
22	-27.15	-61.46	-15.74	27.15	61.46	15.74	0.000%
23	-27.15	-46.10	-15.74	27.15	46.10	15.74	0.000%
24	-14.51	-61.46	-25.14	14.51	61.46	25.14	0.000%
25	-14.51	-46.10	-25.14	14.51	46.10	25.14	0.000%
26	0.00	-86.00	0.00	-0.00	86.00	-0.00	0.000%
27	-0.01	-86.00	-7.64	0.01	86.00	7.64	0.000%
28	3.81	-86.00	-6.61	-3.81	86.00	6.61	0.000%
29	6.60	-86.00	-3.81	-6.60	86.00	3.81	0.000%
30	7.63	-86.00	0.01	-7.63	86.00	-0.01	0.000%
31	6.61	-86.00	3.83	-6.61	86.00	-3.83	0.000%
32	3.82	-86.00	6.62	-3.82	86.00	-6.62	0.000%
33	0.01	-86.00	7.64	-0.01	86.00	-7.64	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
34	-3.81	-86.00	6.61	3.81	86.00	-6.61	0.000%
35	-6.60	-86.00	3.81	6.60	86.00	-3.81	0.000%
36	-7.63	-86.00	-0.01	7.63	86.00	0.01	0.000%
37	-6.61	-86.00	-3.83	6.61	86.00	3.83	0.000%
38	-3.82	-86.00	-6.62	3.82	86.00	6.62	0.000%
39	-0.01	-51.22	-6.83	0.01	51.22	6.83	0.000%
40	3.40	-51.22	-5.91	-3.40	51.22	5.91	0.000%
41	5.90	-51.22	-3.40	-5.90	51.22	3.40	0.000%
42	6.82	-51.22	0.01	-6.82	51.22	-0.01	0.000%
43	6.40	-51.22	3.71	-6.40	51.22	-3.71	0.000%
44	3.42	-51.22	5.92	-3.42	51.22	-5.92	0.000%
45	0.01	-51.22	6.83	-0.01	51.22	-6.83	0.000%
46	-3.40	-51.22	5.91	3.40	51.22	-5.91	0.000%
47	-5.90	-51.22	3.40	5.90	51.22	-3.40	0.000%
48	-6.82	-51.22	-0.01	6.82	51.22	0.01	0.000%
49	-6.40	-51.22	-3.71	6.40	51.22	3.71	0.000%
50	-3.42	-51.22	-5.92	3.42	51.22	5.92	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	0.00002852
3	Yes	4	0.00000001	0.00041394
4	Yes	6	0.00000001	0.00013128
5	Yes	5	0.00000001	0.00095658
6	Yes	6	0.00000001	0.00013164
7	Yes	5	0.00000001	0.00095960
8	Yes	5	0.00000001	0.00003522
9	Yes	4	0.00000001	0.00047552
10	Yes	6	0.00000001	0.00014689
11	Yes	6	0.00000001	0.00004921
12	Yes	6	0.00000001	0.00013498
13	Yes	5	0.00000001	0.00098333
14	Yes	5	0.00000001	0.00005225
15	Yes	4	0.00000001	0.00060443
16	Yes	6	0.00000001	0.00013097
17	Yes	5	0.00000001	0.00095385
18	Yes	6	0.00000001	0.00013021
19	Yes	5	0.00000001	0.00094822
20	Yes	5	0.00000001	0.00005931
21	Yes	4	0.00000001	0.00068101
22	Yes	6	0.00000001	0.00015077
23	Yes	6	0.00000001	0.00005075
24	Yes	6	0.00000001	0.00013056
25	Yes	5	0.00000001	0.00095067
26	Yes	4	0.00000001	0.00003313
27	Yes	5	0.00000001	0.00038150
28	Yes	5	0.00000001	0.00048607
29	Yes	5	0.00000001	0.00048641
30	Yes	5	0.00000001	0.00038477
31	Yes	5	0.00000001	0.00049631
32	Yes	5	0.00000001	0.00050081
33	Yes	5	0.00000001	0.00038873
34	Yes	5	0.00000001	0.00049338
35	Yes	5	0.00000001	0.00049213
36	Yes	5	0.00000001	0.00038320
37	Yes	5	0.00000001	0.00048841
38	Yes	5	0.00000001	0.00048497
39	Yes	4	0.00000001	0.00006826
40	Yes	4	0.00000001	0.00046128
41	Yes	4	0.00000001	0.00046851
42	Yes	4	0.00000001	0.00007319
43	Yes	4	0.00000001	0.00052735
44	Yes	4	0.00000001	0.00049585
45	Yes	4	0.00000001	0.00007112

46	Yes	4	0.00000001	0.00045917
47	Yes	4	0.00000001	0.00045105
48	Yes	4	0.00000001	0.00007593
49	Yes	4	0.00000001	0.00057217
50	Yes	4	0.00000001	0.00044353

Maximum Tower Deflections - Service Wind

Section No.	Elevation	Horz. Deflection	Gov. Load Comb.	Tilt	Twist
	ft	in		°	°
L1	180 - 140.083	27.719	43	1.3419	0.0017
L2	145 - 92.5	18.186	43	1.2006	0.0011
L3	98.5 - 45.583	8.228	43	0.8000	0.0005
L4	52.5 - 0	2.317	43	0.4034	0.0002

Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
177.00	7'x2" Antenna Mount Pipe	43	26.874	1.3330	0.0016	51960
168.00	7770.00 w/ Mount Pipe	43	24.350	1.3046	0.0015	21649
154.00	(2) HBXX-6517DS-A2M w/ Mount Pipe	43	20.527	1.2492	0.0013	9991
119.00	DB225-K	43	12.156	0.9941	0.0007	6892
77.00	KS24019-L112A	43	4.942	0.6068	0.0003	6062

Maximum Tower Deflections - Design Wind

Section No.	Elevation	Horz. Deflection	Gov. Load Comb.	Tilt	Twist
	ft	in		°	°
L1	180 - 140.083	118.468	10	5.7456	0.0066
L2	145 - 92.5	77.757	10	5.1409	0.0044
L3	98.5 - 45.583	35.190	10	3.4250	0.0021
L4	52.5 - 0	9.907	10	1.7258	0.0008

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
177.00	7'x2" Antenna Mount Pipe	10	114.859	5.7072	0.0065	12399
168.00	7770.00 w/ Mount Pipe	10	104.085	5.5859	0.0060	5165
154.00	(2) HBXX-6517DS-A2M w/ Mount Pipe	10	87.758	5.3489	0.0051	2381
119.00	DB225-K	10	51.988	4.2564	0.0031	1630
77.00	KS24019-L112A	10	21.136	2.5969	0.0014	1422

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
L1	180 - 140.083 (1)	TP31.67x24.16x0.2188	39.92	0.00	0.0	21.3015	-13.92	1246.14	0.011
L2	140.083 - 92.5 (2)	TP40.17x30.3074x0.3438	52.50	0.00	0.0	42.4360	-25.26	2482.50	0.010

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L3	92.5 - 45.583 (3)	TP48.31x38.3553x0.4388	52.92	0.00	0.0	65.1800	-39.73	3813.03	0.010
L4	45.583 - 0 (4)	TP56x46.1313x0.5	52.50	0.00	0.0	88.5225	-61.44	5178.57	0.012

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	180 - 140.083 (1)	TP31.67x24.16x0.2188	351.67	864.22	0.407	0.00	864.22	0.000
L2	140.083 - 92.5 (2)	TP40.17x30.3074x0.3438	1282.42	2362.53	0.543	0.00	2362.53	0.000
L3	92.5 - 45.583 (3)	TP48.31x38.3553x0.4388	2469.49	4445.43	0.556	0.00	4445.43	0.000
L4	45.583 - 0 (4)	TP56x46.1313x0.5	4035.91	7099.14	0.569	0.00	7099.14	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	180 - 140.083 (1)	TP31.67x24.16x0.2188	16.45	373.84	0.044	0.72	1000.68	0.001
L2	140.083 - 92.5 (2)	TP40.17x30.3074x0.3438	23.44	744.75	0.031	0.99	2527.25	0.000
L3	92.5 - 45.583 (3)	TP48.31x38.3553x0.4388	27.95	1143.91	0.024	1.17	4671.27	0.000
L4	45.583 - 0 (4)	TP56x46.1313x0.5	31.42	1553.57	0.020	1.17	7560.67	0.000

Pole Interaction Design Data

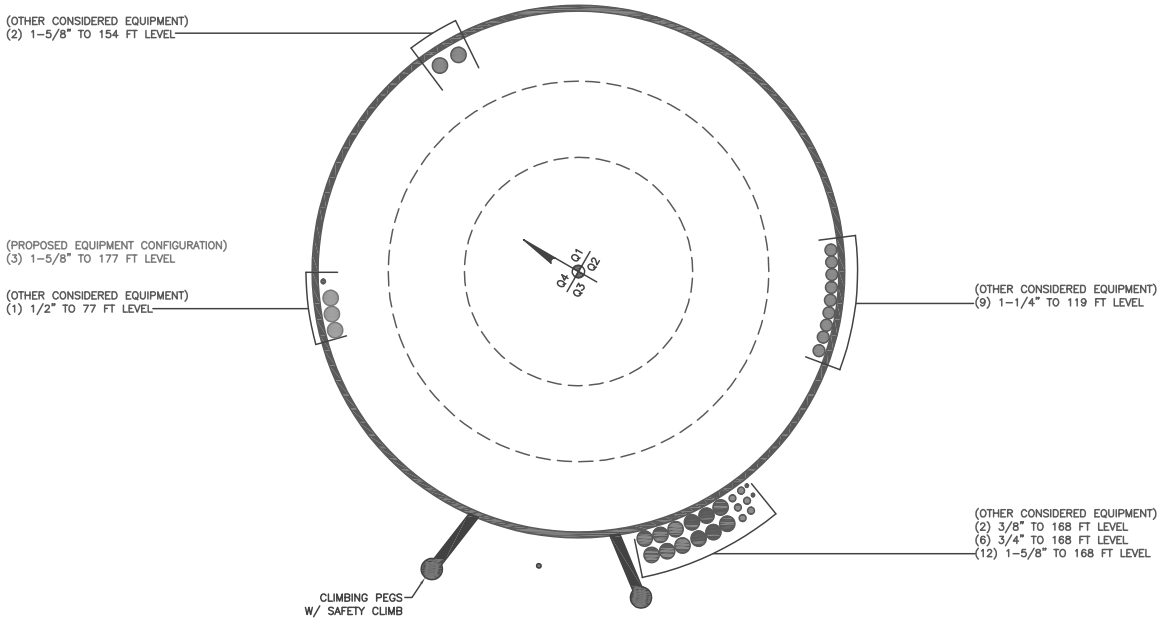
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	180 - 140.083 (1)	0.011	0.407	0.000	0.044	0.001	0.420	1.050	4.8.2
L2	140.083 - 92.5 (2)	0.010	0.543	0.000	0.031	0.000	0.554	1.050	4.8.2
L3	92.5 - 45.583 (3)	0.010	0.556	0.000	0.024	0.000	0.567	1.050	4.8.2
L4	45.583 - 0 (4)	0.012	0.569	0.000	0.020	0.000	0.581	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	180 - 140.083	Pole	TP31.67x24.16x0.2188	1	-13.92	1308.45	40.0	Pass
L2	140.083 - 92.5	Pole	TP40.17x30.3074x0.3438	2	-25.26	2606.62	52.8	Pass
L3	92.5 - 45.583	Pole	TP48.31x38.3553x0.4388	3	-39.73	4003.68	54.0	Pass
L4	45.583 - 0	Pole	TP56x46.1313x0.5	4	-61.44	5437.50	55.3	Pass
							Summary	
						Pole (L4)	55.3	Pass
						RATING =	**55.3**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 876368 TOWER ID: C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

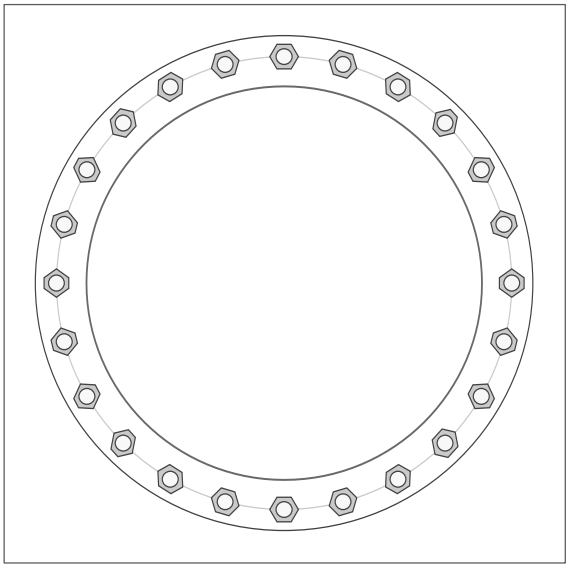
Monopole Base Plate Connection

Site Info	
BU #	876368
Site Name	ee Lake/East Hampton/
Order #	584618 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	2

Applied Loads	
Moment (kip-ft)	4035.91
Axial Force (kips)	61.44
Shear Force (kips)	31.42

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(24) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 64.48" BC

Base Plate Data

70.48" OD x 3" Plate (A633 Gr. E; Fy=60 ksi, Fu=70 ksi)

Stiffener Data

N/A

Pole Data

56" x 0.5" 16-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_t = 122.56	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.31	ϕVn = 149.1	**47.9%**
Mu = n/a	ϕMn = n/a	Pass

Base Plate Summary

Max Stress (ksi):	19.83	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**35.0%**	Pass

Pier and Pad Foundation

BU # :	876368
Site Name:	Yankee Lake/East
App. Number:	584618 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	✓
Block Foundation?:	
Rectangular Pad?:	

Superstructure Analysis Reactions		
Compression, P_{comp}:	61.46	kips
Base Shear, Vu_comp:	31.38	kips
Moment, M_u:	4035.91	ft-kips
Tower Height, **H**:	180	ft
BP Dist. Above Fdn, bp_{dist}:	4.25	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	8	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	36	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	8	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	7	ft
Pad Width, W_1:	27.5	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Top dir.2), Sp_{top2}:	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2}:	24	
Pad Rebar Size (Bottom dir. 2), Sp_2:	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	36	
Pad Clear Cover, cc_{pad}:	3	in

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

Soil Properties		
Total Soil Unit Weight, γ:	130	pcf
Ultimate Gross Bearing, Qult:	8.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	34	degrees
SPT Blow Count, N_{blows}:	16	
Base Friction, μ:		
Neglected Depth, **N**:	4.00	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	379.91	31.38	**7.9%**	**Pass**
Bearing Pressure (ksf)	6.00	2.12	**33.7%**	**Pass**
*Overturning (kip*ft)*	8298.28	4282.37	**51.6%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	9989.42	4177.12	**39.8%**	**Pass**
Pier Compression (kip)	23994.73	102.18	**0.4%**	**Pass**
*Pad Flexure (kip*ft)*	4863.98	1368.69	**26.8%**	**Pass**
Pad Shear - 1-way (kips)	848.83	199.58	**22.4%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.036	**21.1%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	4581.16	2506.27	**52.1%**	**Pass**

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

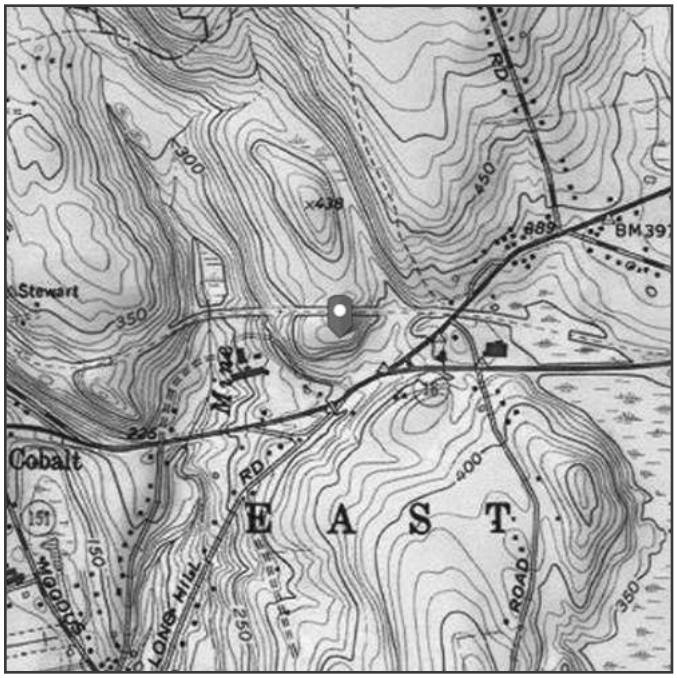
Structural Rating*:	**52.1%**
Soil Rating*:	**51.6%**

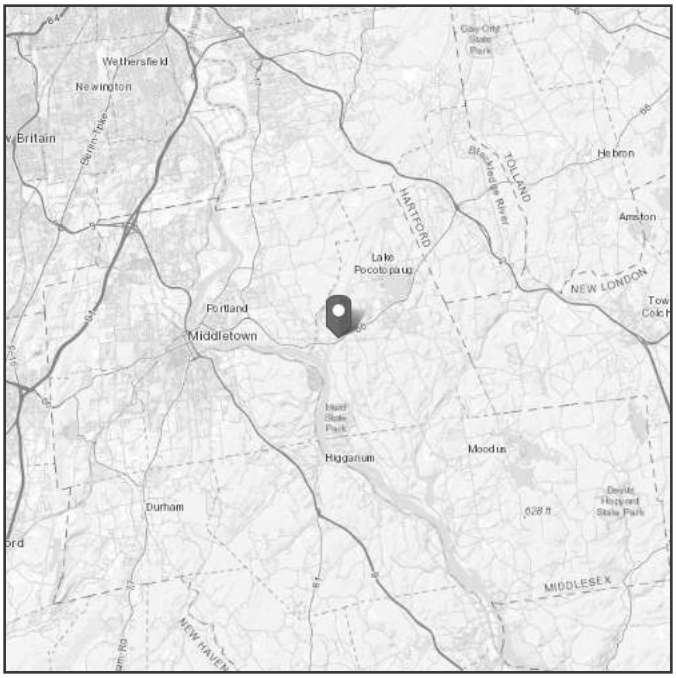
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 378.98 ft (NAVD 88)
Latitude: 41.564761
Longitude: -72.543106





Wind

Results:

Wind Speed:	120 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	92 Vmph
100-year MRI	99 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 Oct 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.

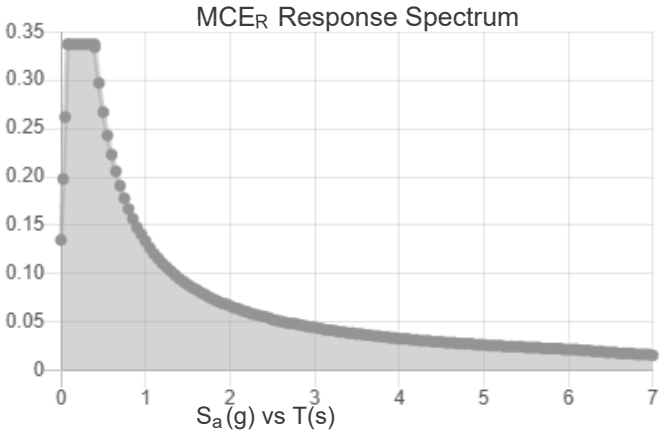
Seismic

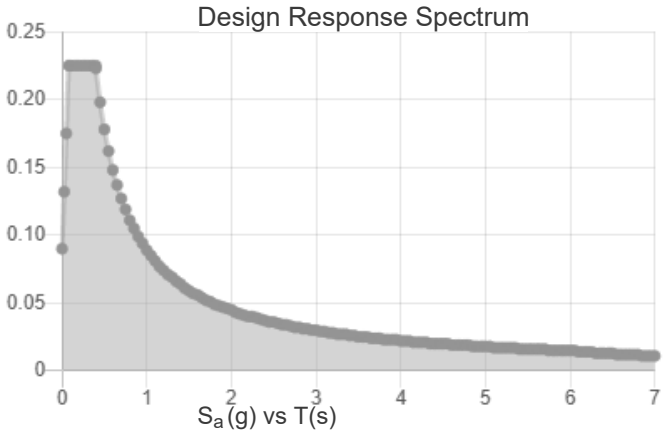
Site Soil Class: D - Default (see Section 11.4.3)

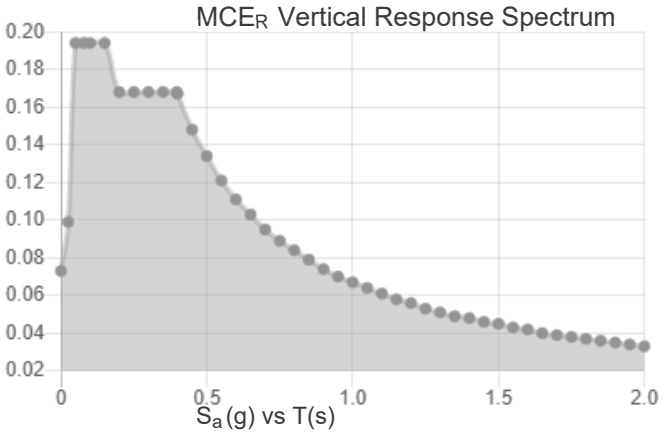
Results:

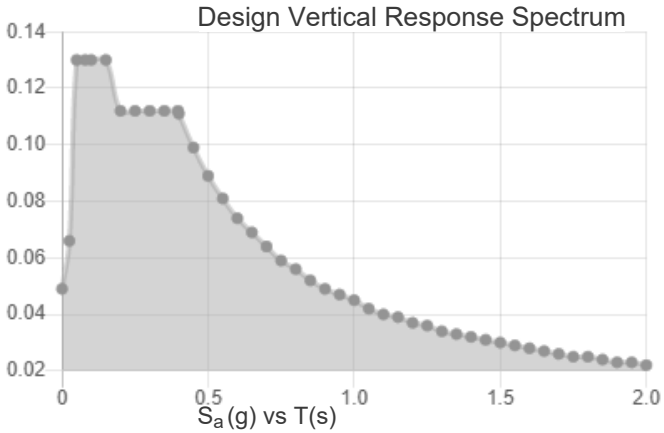
S_S :	0.211	S_{D1} :	0.089
S_1 :	0.056	T_L :	6
F_a :	1.6	PGA :	0.117
F_v :	2.4	PGA_M :	0.184
S_{MS} :	0.337	F_{PGA} :	1.565
S_{M1} :	0.134	I_e :	1
S_{DS} :	0.225	C_v :	0.721

Seismic Design Category B









Data Accessed: Fri Oct 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:	1.00 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 Oct 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.

Exhibit E

Mount Analysis

September 24, 2021

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

Subject:	**Mount Analysis**	
Carrier Designation:	***T-Mobile* Reconfiguration**	
	Client Site Number:	CTHA696A
	Client Site Name:	CTHA696A
Crown Castle Designation:	**Crown Castle BU Number:**	876368
	Crown Castle Site Name:	Yankee Lake/East Hampton/Town
	Crown Castle JDE Job Number:	684635
	Crown Castle Order Number:	584618 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	218229.601930
Site Data:	**1 Public Works Dr, East Hampton, Middlesex County, CT 06032** **Latitude *41° 33' 53.14"*, Longitude *-72° 32' 35.18"***	
Structure Information:	**Tower Height & Type:**	180.0± ft Monopole
	Mount Elevation:	177.0 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 T-Mobile'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**

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph from the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Jordan Marks / GHM

Respectfully submitted by:

Electronic Copy

09/24/2021

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, designed by Valmont. The mount is installed at the 177.0 ft elevation on the 180.0± ft Monopole.

2) ANALYSIS CRITERIA

Building Code:	2015 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	120 mph
Exposure Category:	B
Topographic Category at Base:	1.0
Topographic Category at Mount:	1.0
Ice Thickness:	1.0 in
Wind Speed with Ice:	50 mph
Seismic Design Category:	B
Seismic S_s:	0.211
Seismic S_1:	0.056
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
177.0	178.0	3	Ericsson	AIR6449 B41_T-Mobile	Platform w/ Support Rail Mount
		3	RFS/Celwave	APXVAALL24_43-U-NA20_TMO	
		3	Ericsson	Radio 4460 B2/B25 B66_TMO	
		3	Ericsson	Radio 4480_TMOV2	

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Previous Mount Analysis	GPD Engineering and Architecture	9566978	CCIsites
Loading Application	T-Mobile	Order 584618 Rev. 0	CCIsites
RFDS	T-Mobile	Site ID: CTHA696A	CCIsites
Tower and Mount Drawings	Valmont	1513979	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)*.

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	Face Horizontals	SF1-TH	177.0	19.6	Pass
1	Support Rail	SF1-HR	177.0	42.8	Pass
1	Internals	GSI-2	177.0	37.7	Pass
1	Support Horizontals	SA-3	177.0	11.5	Pass
1	Corner Plates	CP-3	177.0	52.3	Pass
1	Kicker	K3	177.0	8.7	Pass
1	Mount Pipes	MP-10	177.0	37.5	Pass
2	Connection Bolts	-	177.0	8.9	Pass
2	Connection Plate	-	177.0	8.4	Pass

Structure Rating (max from all components) =	**52.3%**

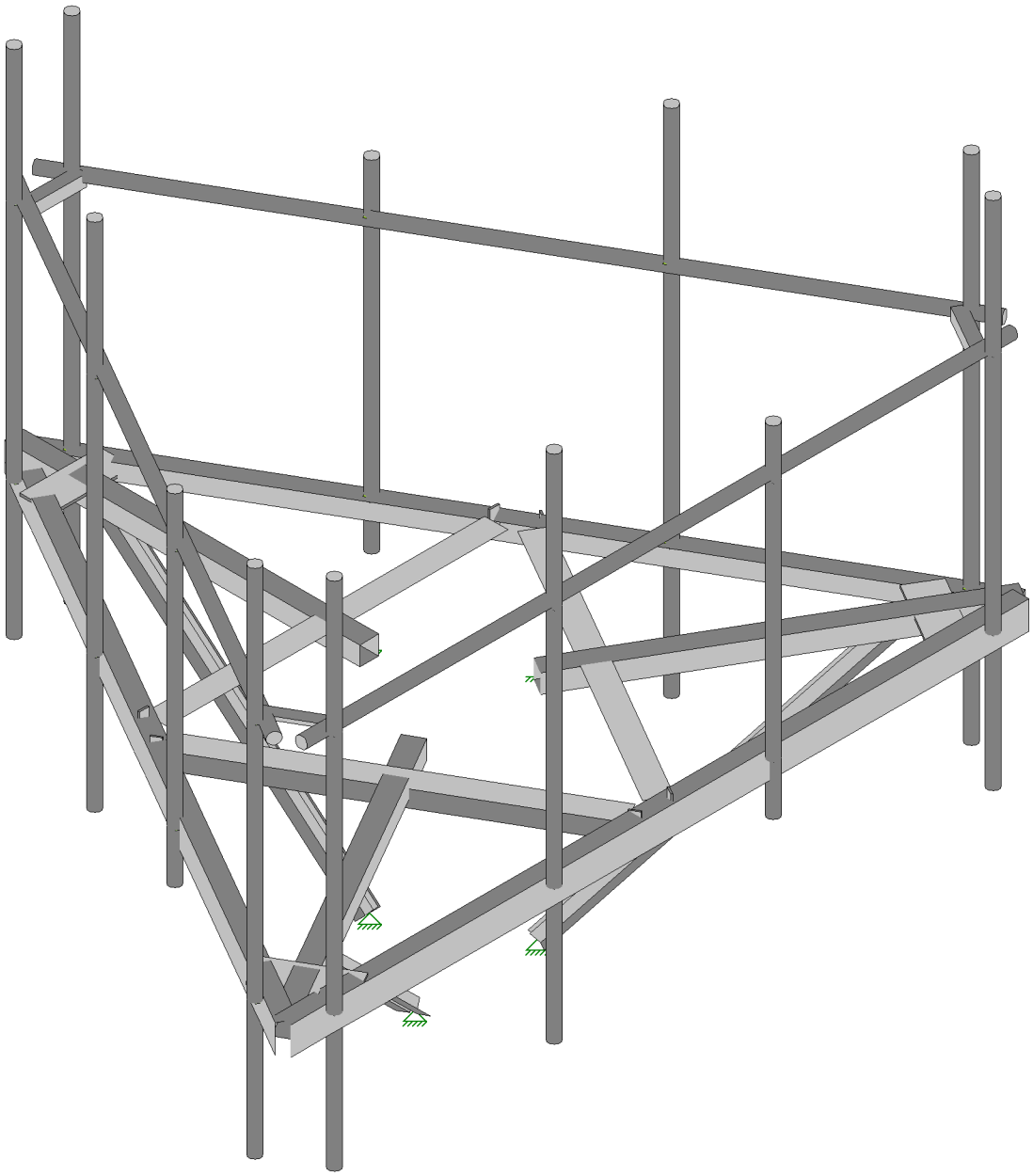
Notes:
1) See additional documentation in “Appendix C - Analysis Output” for calculations supporting the % capacity listed.
2) See additional documentation in “Appendix D - Additional Calculations” for calculations supporting the % capacity listed.

4.1) Recommendations

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

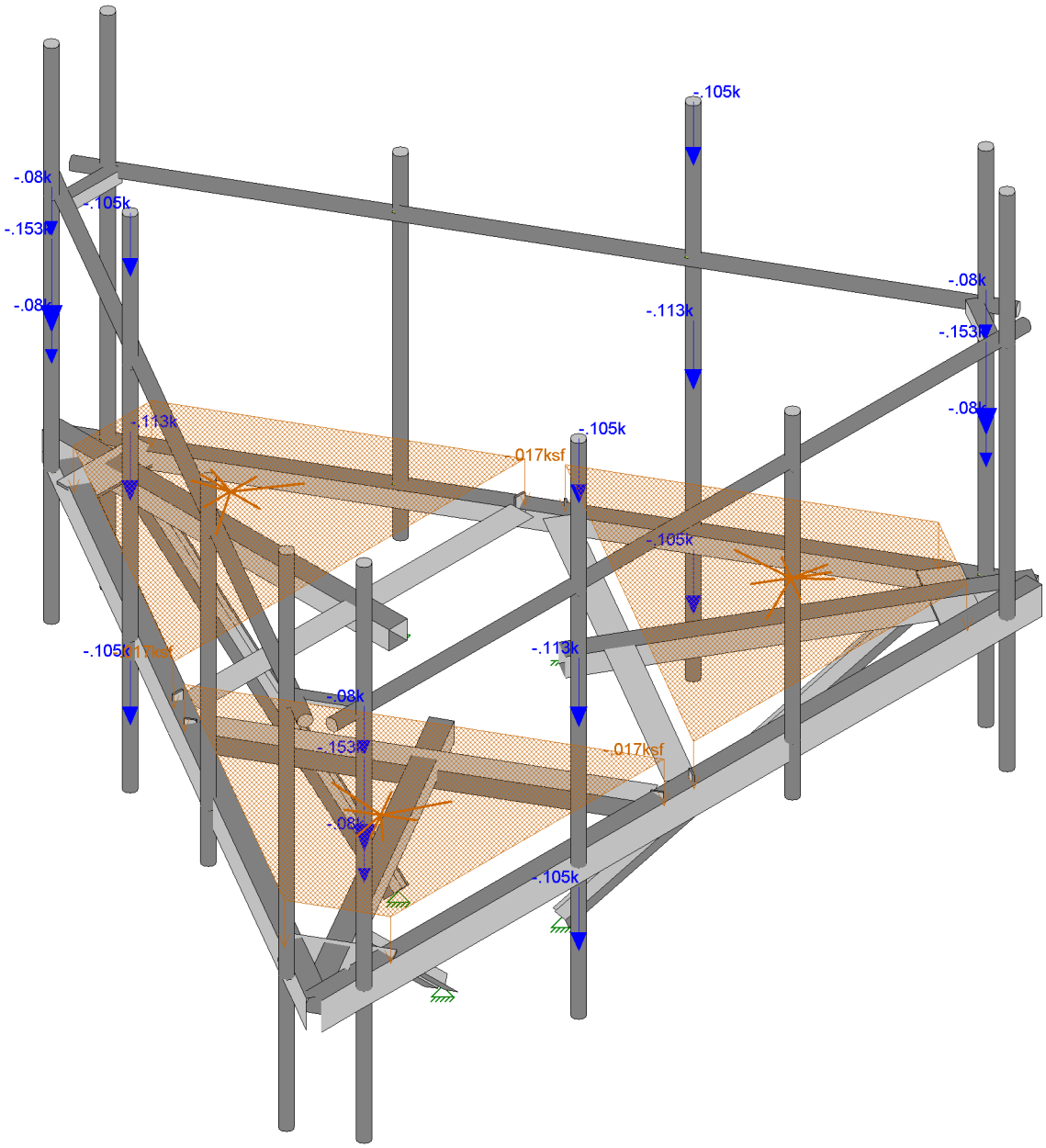
APPENDIX A

WIRE FRAME AND RENDERED MODELS



Envelope Only Solution

Tower Engineering Profess...	Yankee Lake/East Hampton/Town (876368)	SK - 1
JCM		Sept 24, 2021 at 9:30 AM
TEP No.218229.601930		Mount Rev H.r3d



Loads: LC 1, 1.4D
Envelope Only Solution

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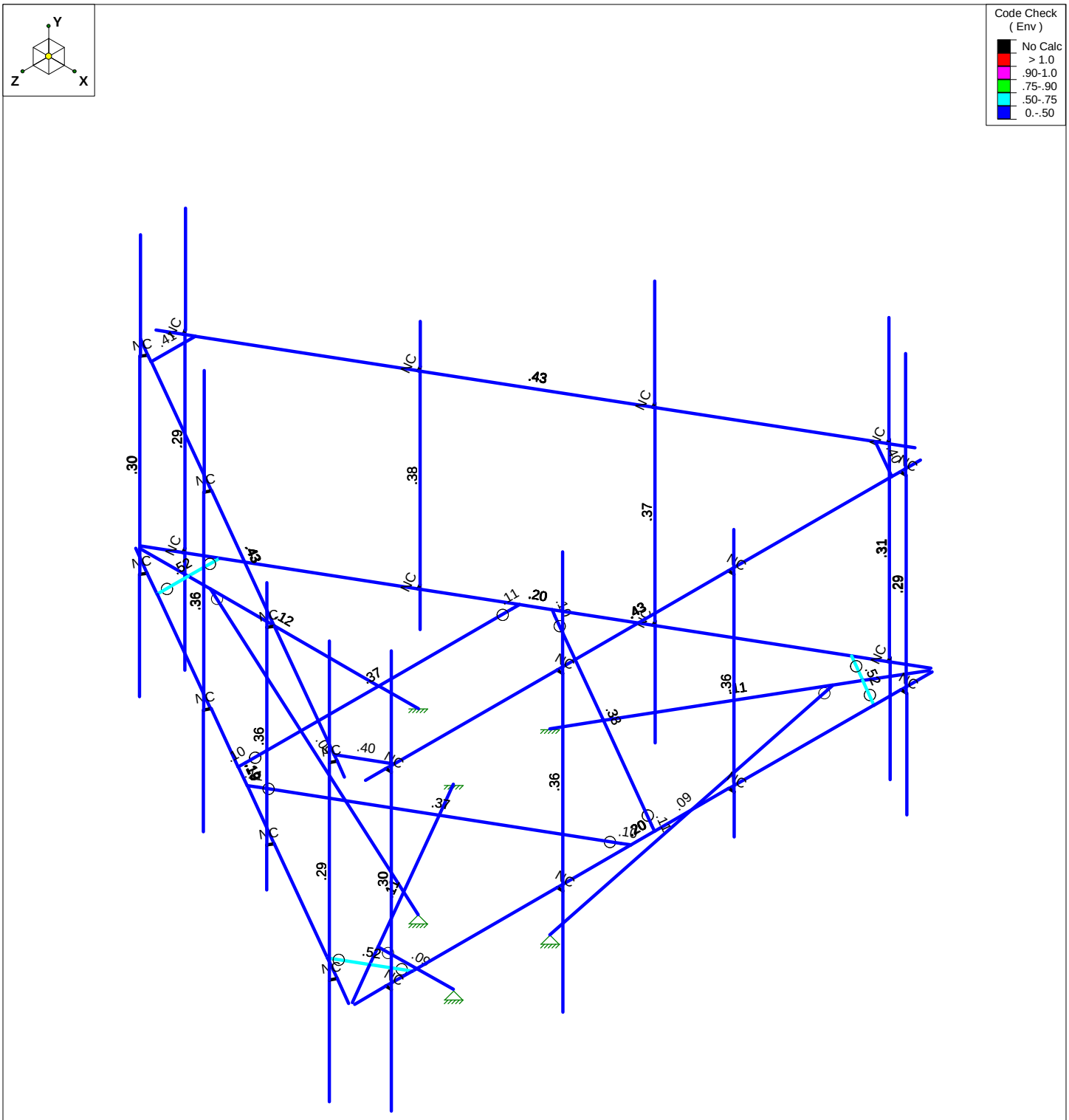
TEP No.218229.601930		Mount Rev H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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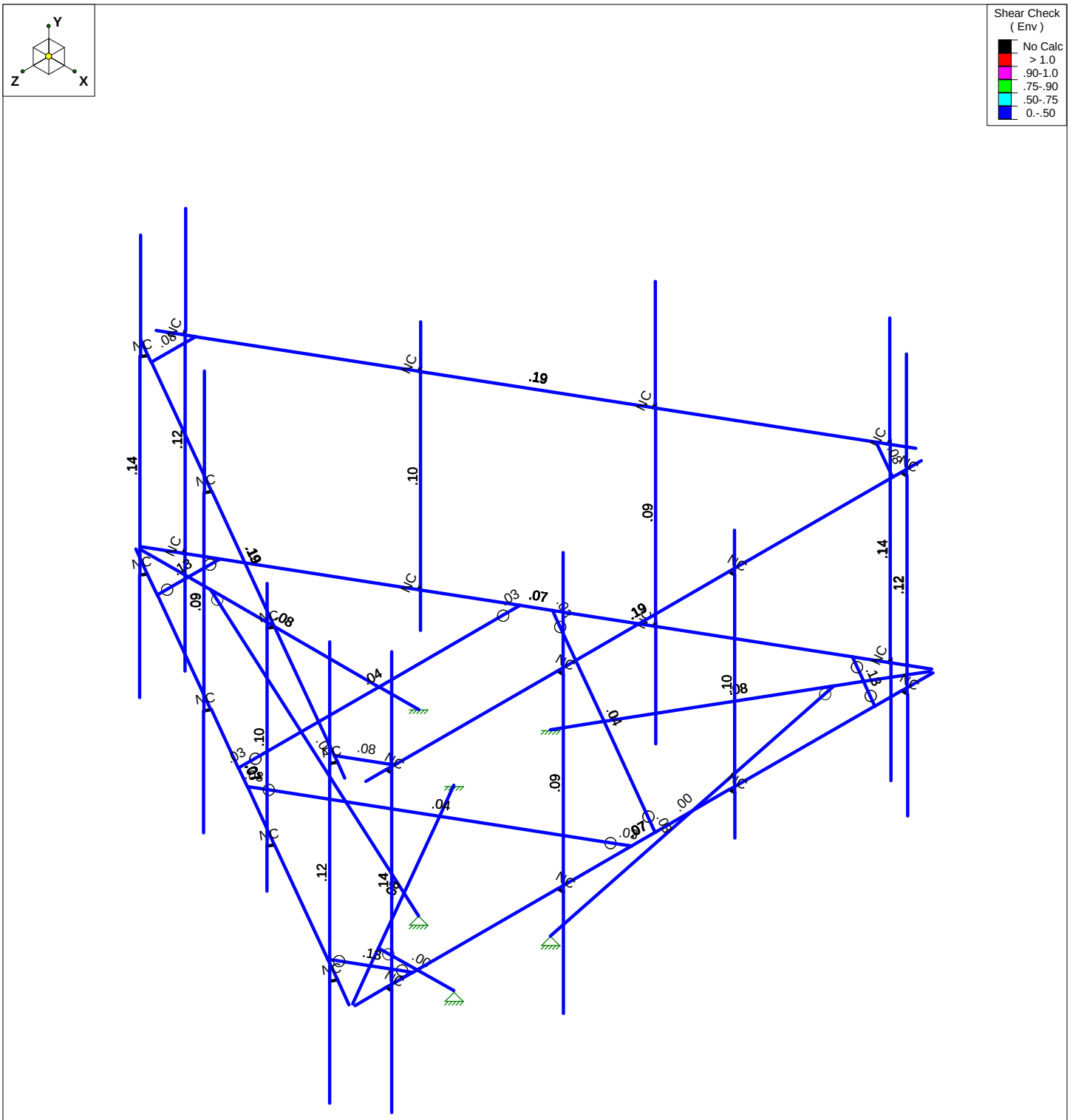
TEP No.218229.601930		Mount Rev H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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TEP No.218229.601930		Mount Rev H.r3d

APPENDIX B

SOFTWARE INPUT CALCULATIONS

TOWER ENGINEERING PROFESSIONALS

Yankee Lake/East Hampton/Town (876368)

TEP No.	218229.601930	
Analysis By:	JCM	9/24/2021
Checked By:	GHM	9/24/2021

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

Wind Inputs:

Ult. Wind Velocity:	120.0	mph
Live Load Velocity:	30.0	mph
Ice Wind Velocity:	50.0	mph
Base Ice Thickness:	1.00	inches
Mount Centerline:	177.0	ft
Antenna Centerline:	178.0	ft
Exposure Category:	B	
Topo Category:	1	
Risk Category:	II	
Ground Elevation:	379	ft

Wind Calculations:

K_{zt}:	1.000	Section 2.6.6
K_d:	0.950	
$K_{z\text{-}Mount}$:	1.163	Section 2.6.5.2
$K_{z\text{-}Antenna}$:	1.165	Section 2.6.5.2
K_{iz}:	1.183	Section 2.6.10
Ice Thickness:	1.183	inches - Section 2.6.10

Without Ice - (psf)		With Ice - (psf)	
$(q_zG_h)_{Mount}$:	40.19	$(q_zG_h)_{Mount}$:	6.98
$(q_zG_h)_{Antenna}$:	40.25	$(q_zG_h)_{Antenna}$:	6.99

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

Seismic Input

S_{DS}:	0.225	Design Short Period Spectral Accel.
I_p:	1.0	Importance Factor
R_p:	2.0	Response Modification Factor
ρ:	1.0	
A_s:	1.0	Applification Factor - TIA-222-H Section 2.7.8.1
S_1:	0.056	Spectral Acceleration at a Period of 1 Second

Seismic Design Force

Cs:	0.113	kips/kip	TIA-H Sec 2.7.7.1.1
Cs-min:	0.030	kips/kip	TIA-H Sec 2.7.7.1.1

TOWER ENGINEERING PROFESSIONALS

Yankee Lake/East Hampton/Town (876368)

TEP No.	218229.601930	
Analysis By:	JCM	9/24/2021
Checked By:	GHM	9/24/2021

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,%)
ERICSSON	AIR6449 B41_T-MOBILE	33.11	20.51	8.54	114.63	0.00	1	Flat	MP-4	3.00	5.00	
RFS/CELWAVE	APXVAALL24_43-U-NA20_TMO	95.90	24.00	8.50	149.90	0.00	1	Flat	MP-3	1.00	8.00	
ERICSSON	RADIO 4460 B2/B25 B66_TMO	17.00	15.10	11.90	109.00	0.00	1	Flat	MP-4	4.50		
ERICSSON	RADIO 4480_TMOV2	22.00	15.70	7.50	81.00	0.00	1	Flat	MP-3	4.50		
ERICSSON	AIR6449 B41_T-MOBILE	33.11	20.51	8.54	114.63	120.00	1	Flat	MP-8	3.00	5.00	
RFS/CELWAVE	APXVAALL24_43-U-NA20_TMO	95.90	24.00	8.50	149.90	120.00	1	Flat	MP-7	1.00	8.00	
ERICSSON	RADIO 4460 B2/B25 B66_TMO	17.00	15.10	11.90	109.00	120.00	1	Flat	MP-8	4.50		
ERICSSON	RADIO 4480_TMOV2	22.00	15.70	7.50	81.00	120.00	1	Flat	MP-7	4.50		
ERICSSON	AIR6449 B41_T-MOBILE	33.11	20.51	8.54	114.63	240.00	1	Flat	MP-12	3.00	5.00	
RFS/CELWAVE	APXVAALL24_43-U-NA20_TMO	95.90	24.00	8.50	149.90	240.00	1	Flat	MP-11	1.00	8.00	
ERICSSON	RADIO 4460 B2/B25 B66_TMO	17.00	15.10	11.90	109.00	240.00	1	Flat	MP-12	4.50		
ERICSSON	RADIO 4480_TMOV2	22.00	15.70	7.50	81.00	240.00	1	Flat	MP-11	4.50		

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

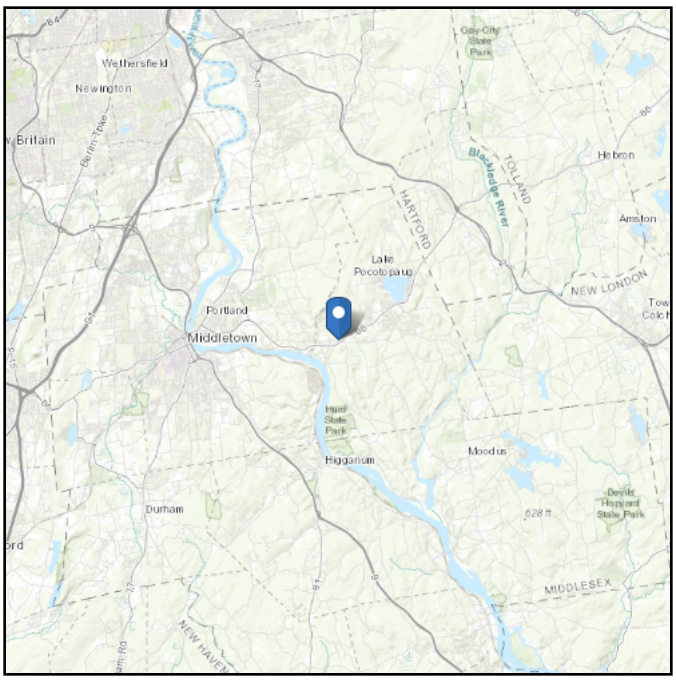
Member Name	Wind Proj. (in)	Length (in)	Shape	θ (°)	Perimeter (in)
CP-1	0.500	16.86	Flat	-30.00	15.00
CP-1U	2.500	11.96	Flat	-30.00	10.00
CP-2	0.500	16.86	Flat	30.00	15.00
CP-2U	2.500	11.96	Flat	30.00	10.00
CP-3	0.500	16.86	Flat	90.00	15.00
CP-3U	2.500	11.96	Flat	90.00	10.00
FF-HR	2.375	150.00	Round	90.00	7.46
FFTH	6.000	156.00	Flat	90.00	19.00
GSI-1	3.500	72.00	Flat	30.00	17.00
GSI-2	3.500	72.00	Flat	-30.00	17.00
GSI-3	3.500	72.00	Flat	90.00	17.00
INT1-P1	5.000	2.00	Flat	30.00	10.75
INT1-P2	5.000	2.00	Flat	30.00	10.75
INT2-P1	5.000	2.00	Flat	90.00	10.75
INT2-P2	5.000	2.00	Flat	90.00	10.75
INT3-P1	5.000	2.00	Flat	-30.00	10.75
INT3-P2	5.000	2.00	Flat	-30.00	10.75
K1	2.500	73.65	Flat		10.00
K2	2.500	73.65	Flat		10.00
K3	2.500	73.65	Flat		10.00
MP-1	2.375	108.00	Round		7.46
MP-2	2.375	72.00	Round		7.46
MP-3	2.375	108.00	Round		7.46
MP-4	2.375	108.00	Round		7.46
MP-5	2.375	108.00	Round		7.46
MP-6	2.375	72.00	Round		7.46
MP-7	2.375	108.00	Round		7.46
MP-8	2.375	108.00	Round		7.46
MP-9	2.375	108.00	Round		7.46
MP-10	2.375	72.00	Round		7.46
MP-11	2.375	108.00	Round		7.46
MP-12	2.375	108.00	Round		7.46
SA-1	4.000	75.00	Flat	-60.00	16.00
SA-2	4.000	75.00	Flat	60.00	16.00
SA-3	4.000	75.00	Flat	0.00	16.00
SF1-HR	2.375	150.00	Round	30.00	7.46
SF1-TH	6.000	156.00	Flat	30.00	19.00
SF2-HR	2.375	150.00	Round	-30.00	7.46
SF2-TH	6.000	156.00	Flat	-30.00	19.00

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: 378.98 ft (NAVD 88)
Latitude: 41.564761
Longitude: -72.543106



Wind

Results:

Wind Speed:	120 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
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100-year MRI	99 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:	Thu Sep 23 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.

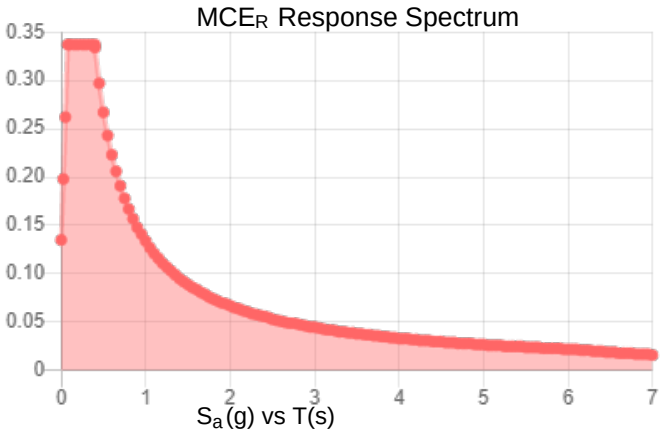
Seismic

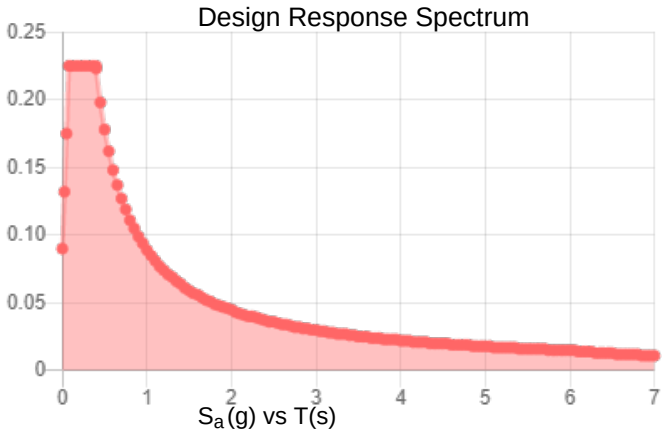
Site Soil Class: D - Default (see Section 11.4.3)

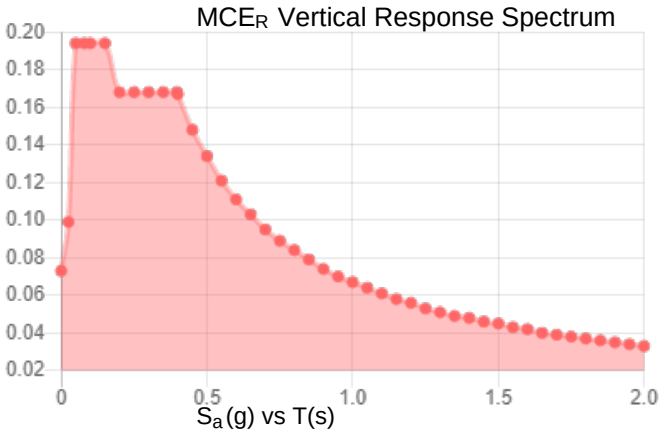
Results:

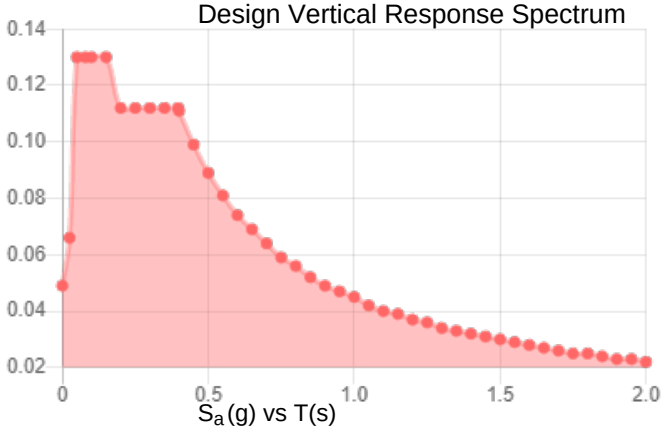
S_S :	0.211	S_{D1} :	0.089
S_1 :	0.056	T_L :	6
F_a :	1.6	PGA :	0.117
F_v :	2.4	PGA_M :	0.184
S_{MS} :	0.337	F_{PGA} :	1.565
S_{M1} :	0.134	I_e :	1
S_{DS} :	0.225	C_v :	0.721

Seismic Design Category B









Data Accessed: Thu Sep 23 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:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Thu Sep 23 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?	Yes
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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(Global) Model Settings, Continued

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

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E..	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.49	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.49	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A500 Gr C	29000	11154	.3	.65	.49	46	1.4	62	1.3

Cold Formed Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	Yield[ksi]	Fu[ksi]
1	A653 SS Gr33	29500	11346	.3	.65	.49	33	45
2	A653 SS Gr50/1	29500	11346	.3	.65	.49	50	65
3	ASTM A36	29000	11154	.3	.65	.49	36	58

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design ...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Handrail	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Face Horizontal	L6X3.5X5	None	None	A36 Gr.36	Typical	2.89	2.84	10.9	.099
3	Support Horizontal	HSS4X4X3	None	None	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
4	Internal	L5X3.5X4	None	None	A36 Gr.36	Typical	2.07	2.2	5.36	.046
5	Handrail Plate	L2.5x2.5x4	None	None	A36 Gr.36	Typical	1.19	.692	.692	.026
6	Corner Plate	PL7x1/2	None	None	A36 Gr.36	Typical	3.5	.073	14.292	.279

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design ...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
7	Mount Pipe	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Internal Plate	PL5x3/8	None	None	A36 Gr.36	Typical	1.875	.022	3.906	.084
9	Kicker	LL2.5x2.5x3x3	None	None	A36 Gr.36	Typical	1.8	2.46	1.07	.023

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	CF1A	BPL 5.375"x4"x0.375"	None	None	ASTM A36	Typical	4.513	7.215	20.276	.212

General Material Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]
1	gen_Conc3NW	3155	1372	.15	.6	.145
2	gen_Conc4NW	3644	1584	.15	.6	.145
3	gen_Conc3LW	2085	906	.15	.6	.11
4	gen_Conc4LW	2408	1047	.15	.6	.11
5	gen_Alum	10600	4077	.3	1.29	.173
6	gen_Steel	29000	11154	.3	.65	.49
7	RIGID	1e+6		.3	0	0

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N26	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N27	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N28	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N86	Reaction	Reaction	Reaction			
5	N88	Reaction	Reaction	Reaction			
6	N90	Reaction	Reaction	Reaction			

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	CP-1	N79	N80		90	Corner Plate	None	None	A36 Gr.36	Typical
2	CP-1U	N50	N49		180	Handrail Plate	None	None	A36 Gr.36	Typical
3	CP-2	N76	N77		90	Corner Plate	None	None	A36 Gr.36	Typical
4	CP-2U	N54	N53		180	Handrail Plate	None	None	A36 Gr.36	Typical
5	CP-3	N55	N56		90	Corner Plate	None	None	A36 Gr.36	Typical
6	CP-3U	N51	N52		180	Handrail Plate	None	None	A36 Gr.36	Typical
7	FF-HR	N41	N44			Handrail	None	None	A53 Gr.B	Typical
8	FFTH	N38	N35		180	Face Horizontal	None	None	A36 Gr.36	Typical
9	GSI-1	N29	N32		90	Internal	None	None	A36 Gr.36	Typical
10	GSI-2	N33	N30		90	Internal	None	None	A36 Gr.36	Typical
11	GSI-3	N31	N34		90	Internal	None	None	A36 Gr.36	Typical
12	INT1-P1	N29	N72			Internal Plate	None	None	A36 Gr.36	Typical
13	INT1-P2	N32	N73			Internal Plate	None	None	A36 Gr.36	Typical
14	INT2-P1	N70	N31			Internal Plate	None	None	A36 Gr.36	Typical
15	INT2-P2	N71	N34			Internal Plate	None	None	A36 Gr.36	Typical
16	INT3-P1	N74	N33			Internal Plate	None	None	A36 Gr.36	Typical
17	INT3-P2	N30	N75			Internal Plate	None	None	A36 Gr.36	Typical

Company : Tower Engineering Professionals, Inc.
Designer : JCM
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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
18	K1	N89	N90		180	Kicker	None	None	A36 Gr.36	Typical
19	K2	N87	N88		180	Kicker	None	None	A36 Gr.36	Typical
20	K3	N85	N86		180	Kicker	None	None	A36 Gr.36	Typical
21	M40	N57	N91			RIGID	None	None	RIGID	Typical
22	M41	N95	N99			RIGID	None	None	RIGID	Typical
23	M42	N58	N92			RIGID	None	None	RIGID	Typical
24	M43	N96	N100			RIGID	None	None	RIGID	Typical
25	M44	N59	N93			RIGID	None	None	RIGID	Typical
26	M44A	N61	N99A			RIGID	None	None	RIGID	Typical
27	M45	N97	N101			RIGID	None	None	RIGID	Typical
28	M45A	N103	N107			RIGID	None	None	RIGID	Typical
29	M46	N60	N94			RIGID	None	None	RIGID	Typical
30	M46A	N62	N100A			RIGID	None	None	RIGID	Typical
31	M47	N98	N102			RIGID	None	None	RIGID	Typical
32	M47A	N104	N108			RIGID	None	None	RIGID	Typical
33	M48	N63	N101A			RIGID	None	None	RIGID	Typical
34	M49	N105	N109			RIGID	None	None	RIGID	Typical
35	M50	N64	N102A			RIGID	None	None	RIGID	Typical
36	M51	N106	N110			RIGID	None	None	RIGID	Typical
37	M56	N68	N123			RIGID	None	None	RIGID	Typical
38	M57	N127	N131			RIGID	None	None	RIGID	Typical
39	M58	N67	N124			RIGID	None	None	RIGID	Typical
40	M59	N128	N132			RIGID	None	None	RIGID	Typical
41	M60	N66	N125			RIGID	None	None	RIGID	Typical
42	M61	N129	N133			RIGID	None	None	RIGID	Typical
43	M62	N65	N126			RIGID	None	None	RIGID	Typical
44	M63	N130	N134			RIGID	None	None	RIGID	Typical
45	MP-1	N1	N5			Mount Pipe	None	None	A53 Gr.B	Typical
46	MP-2	N2	N6			Mount Pipe	None	None	A53 Gr.B	Typical
47	MP-3	N3	N7			Mount Pipe	None	None	A53 Gr.B	Typical
48	MP-4	N4	N8			Mount Pipe	None	None	A53 Gr.B	Typical
49	MP-5	N111	N115			Mount Pipe	None	None	A53 Gr.B	Typical
50	MP-6	N112	N116			Mount Pipe	None	None	A53 Gr.B	Typical
51	MP-7	N113	N117			Mount Pipe	None	None	A53 Gr.B	Typical
52	MP-8	N114	N118			Mount Pipe	None	None	A53 Gr.B	Typical
53	MP-9	N87A	N91A			Mount Pipe	None	None	A53 Gr.B	Typical
54	MP-10	N88A	N92A			Mount Pipe	None	None	A53 Gr.B	Typical
55	MP-11	N89A	N93A			Mount Pipe	None	None	A53 Gr.B	Typical
56	MP-12	N90A	N94A			Mount Pipe	None	None	A53 Gr.B	Typical
57	SA-1	N26	N47			Support Horizontal	None	None	A500 Gr....	Typical
58	SA-2	N27	N48			Support Horizontal	None	None	A500 Gr....	Typical
59	SA-3	N28	N9			Support Horizontal	None	None	A500 Gr....	Typical
60	SF1-HR	N128A	N127A			Handrail	None	None	A53 Gr.B	Typical
61	SF1-TH	N36	N39		180	Face Horizontal	None	None	A36 Gr.36	Typical
62	SF2-HR	N129A	N130A			Handrail	None	None	A53 Gr.B	Typical
63	SF2-TH	N37	N40		180	Face Horizontal	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	CP-1	OOOOXO	OOOOXO				Yes	** NA **			None
2	CP-1U						Yes	** NA **			None
3	CP-2	OOOOXO	OOOOXO				Yes	** NA **			None
4	CP-2U						Yes	** NA **			None
5	CP-3	OOOOXO	OOOOXO				Yes	** NA **			None
6	CP-3U						Yes	** NA **			None
7	FF-HR						Yes	** NA **			None
8	FFTH						Yes	** NA **			None
9	GSI-1	BenPIN	BenPIN				Yes	** NA **			None
10	GSI-2	BenPIN	BenPIN				Yes	** NA **			None
11	GSI-3	BenPIN	BenPIN				Yes	** NA **			None
12	INT1-P1						Yes	** NA **			None
13	INT1-P2						Yes	** NA **			None
14	INT2-P1						Yes	** NA **			None
15	INT2-P2						Yes	** NA **			None
16	INT3-P1						Yes	** NA **			None
17	INT3-P2						Yes	** NA **			None
18	K1	BenPIN					Yes	** NA **			None
19	K2	BenPIN					Yes	** NA **			None
20	K3	BenPIN					Yes	** NA **			None
21	M40						Yes	** NA **			None
22	M41						Yes	** NA **			None
23	M42						Yes	** NA **			None
24	M43						Yes	** NA **			None
25	M44						Yes	** NA **			None
26	M44A						Yes	** NA **			None
27	M45						Yes	** NA **			None
28	M45A						Yes	** NA **			None
29	M46						Yes	** NA **			None
30	M46A						Yes	** NA **			None
31	M47						Yes	** NA **			None
32	M47A						Yes	** NA **			None
33	M48						Yes	** NA **			None
34	M49						Yes	** NA **			None
35	M50						Yes	** NA **			None
36	M51						Yes	** NA **			None
37	M56						Yes	** NA **			None
38	M57						Yes	** NA **			None
39	M58						Yes	** NA **			None
40	M59						Yes	** NA **			None
41	M60						Yes	** NA **			None
42	M61						Yes	** NA **			None
43	M62						Yes	** NA **			None
44	M63						Yes	** NA **			None
45	MP-1						Yes	** NA **			None
46	MP-2						Yes	** NA **			None
47	MP-3						Yes	** NA **			None
48	MP-4						Yes	** NA **			None
49	MP-5						Yes	** NA **			None
50	MP-6						Yes	** NA **			None
51	MP-7						Yes	** NA **			None
52	MP-8						Yes	** NA **			None

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
53	MP-9						Yes	** NA **			None
54	MP-10						Yes	** NA **			None
55	MP-11						Yes	** NA **			None
56	MP-12						Yes	** NA **			None
57	SA-1						Yes	** NA **			None
58	SA-2						Yes	** NA **			None
59	SA-3						Yes	** NA **			None
60	SF1-HR						Yes	** NA **			None
61	SF1-TH						Yes	** NA **			None
62	SF2-HR						Yes	** NA **			None
63	SF2-TH						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torq...	Kyy	Kzz	Cb	Functi...
1	CP-1	Corner Plate	1.405						1	1		Lateral
2	CP-1U	Handrail Plate	.996						1	1		Lateral
3	CP-2	Corner Plate	1.405						1	1		Lateral
4	CP-2U	Handrail Plate	.996						1	1		Lateral
5	CP-3	Corner Plate	1.405						1	1		Lateral
6	CP-3U	Handrail Plate	.996						1	1		Lateral
7	FF-HR	Handrail	12.5						2.1	2.1		Lateral
8	FFTH	Face Horizontal	13	4.928					2.1	2.1		Lateral
9	GSI-1	Internal	6	3	3				1	1		Lateral
10	GSI-2	Internal	6	3	3				1	1		Lateral
11	GSI-3	Internal	6	3	3				1	1		Lateral
12	INT1-P1	Internal Plate	.167						.65	.65		Lateral
13	INT1-P2	Internal Plate	.167						.65	.65		Lateral
14	INT2-P1	Internal Plate	.167						.65	.65		Lateral
15	INT2-P2	Internal Plate	.167						.65	.65		Lateral
16	INT3-P1	Internal Plate	.167						.65	.65		Lateral
17	INT3-P2	Internal Plate	.167						.65	.65		Lateral
18	K1	Kicker	6.138						1	1		Lateral
19	K2	Kicker	6.138						1	1		Lateral
20	K3	Kicker	6.138						1	1		Lateral
21	MP-1	Mount Pipe	9	Segment	Segment				2.1	2.1		Lateral
22	MP-2	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
23	MP-3	Mount Pipe	9	Segment	Segment				2.1	2.1		Lateral
24	MP-4	Mount Pipe	9	Segment	Segment				2.1	2.1		Lateral
25	MP-5	Mount Pipe	9	Segment	Segment				2.1	2.1		Lateral
26	MP-6	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
27	MP-7	Mount Pipe	9	Segment	Segment				2.1	2.1		Lateral
28	MP-8	Mount Pipe	9	Segment	Segment				2.1	2.1		Lateral
29	MP-9	Mount Pipe	9	Segment	Segment				2.1	2.1		Lateral
30	MP-10	Mount Pipe	6	Segment	Segment				2.1	2.1		Lateral
31	MP-11	Mount Pipe	9	Segment	Segment				2.1	2.1		Lateral
32	MP-12	Mount Pipe	9	Segment	Segment				2.1	2.1		Lateral
33	SA-1	Support Horizon...	6.25	4.268	3.768				2.1	2.1		Lateral
34	SA-2	Support Horizon...	6.25	4.268	3.768				2.1	2.1		Lateral
35	SA-3	Support Horizon...	6.25	4.268	3.768				2.1	2.1		Lateral
36	SF1-HR	Handrail	12.5						2.1	2.1		Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torq...	Kyy	Kzz	Cb	Functi...
37	SF1-TH	Face Horizontal	13	4.928					2.1	2.1		Lateral
38	SF2-HR	Handrail	12.5						2.1	2.1		Lateral
39	SF2-TH	Face Horizontal	13	4.928					2.1	2.1		Lateral

Cold Formed Steel Design Parameters

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

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead	None		-1			18		3	
2	0 Wind - No Ice	None					18	39		
3	30 Wind - No Ice	None					36	78		
4	45 Wind - No Ice	None					36	78		
5	60 Wind - No Ice	None					36	78		
6	90 Wind - No Ice	None					18	39		
7	120 Wind - No Ice	None					36	78		
8	135 Wind - No Ice	None					36	78		
9	150 Wind - No Ice	None					36	78		
10	180 Wind - No Ice	None					18	39		
11	210 Wind - No Ice	None					36	78		
12	225 Wind - No Ice	None					36	78		
13	240 Wind - No Ice	None					36	78		
14	270 Wind - No Ice	None					18	39		
15	300 Wind - No Ice	None					36	78		
16	315 Wind - No Ice	None					36	78		
17	330 Wind - No Ice	None					36	78		
18	Ice Weight	None					18	39	3	
19	0 Wind - Ice	None					18	39		
20	30 Wind - Ice	None					36	78		
21	45 Wind - Ice	None					36	78		
22	60 Wind - Ice	None					36	78		
23	90 Wind - Ice	None					18	39		
24	120 Wind - Ice	None					36	78		
25	135 Wind - Ice	None					36	78		
26	150 Wind - Ice	None					36	78		
27	180 Wind - Ice	None					18	39		
28	210 Wind - Ice	None					36	78		
29	225 Wind - Ice	None					36	78		
30	240 Wind - Ice	None					36	78		
31	270 Wind - Ice	None					18	39		
32	300 Wind - Ice	None					36	78		
33	315 Wind - Ice	None					36	78		
34	330 Wind - Ice	None					36	78		
35	Lm	None				1				
36	Lv	None				1				
37	Seismic Load X	ELX	-1				18			
38	Seismic Load Z	ELZ			-1		18			
39	BLC 1 Transient Area...	None						66		

Company : Tower Engineering Professionals, Inc.
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Job Number : TEP No.218229.601930
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Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
40	BLC 18 Transient Are...	None						66		

Load Combinations

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

Load Combinations (Continued)

	Description	Solve	PDelta	S...	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..	B...	Fac..
47	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	32	1																
48	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	33	1																
49	1.2D+1.0Di+1.0 ...	Yes	Y		1	1.2	18	1	34	1																
50	1.2D+1.5Lv	Yes	Y		36	1.5	1	1.2																		
51	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	2	.063	35	1.5																
52	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	3	.063	35	1.5																
53	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	4	.063	35	1.5																
54	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	5	.063	35	1.5																
55	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	6	.063	35	1.5																
56	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	7	.063	35	1.5																
57	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	8	.063	35	1.5																
58	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	9	.063	35	1.5																
59	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	10	.063	35	1.5																
60	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	11	.063	35	1.5																
61	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	12	.063	35	1.5																
62	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	13	.063	35	1.5																
63	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	14	.063	35	1.5																
64	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	15	.063	35	1.5																
65	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	16	.063	35	1.5																
66	1.2D+1.5Lm+1.0...	Yes	Y		1	1.2	17	.063	35	1.5																
67	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.113	0																	
68	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.097	ELZ	.056																
69	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.08	ELZ	.08																
70	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.056	ELZ	.097																
71	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	0		ELZ	.113																
72	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.056	ELZ	.097																
73	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.08	ELZ	.08																
74	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.097	ELZ	.056																
75	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.113	0																	
76	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.097	ELZ	-.056																
77	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.08	ELZ	-.08																
78	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	-.056	ELZ	-.097																
79	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	0		ELZ	-.113																
80	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.056	ELZ	-.097																
81	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.08	ELZ	-.08																
82	(1.2+0.2Sds)D+...	Yes	Y		1	1.2...	E...	.097	ELZ	-.056																
83	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	.113	0																	
84	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	.097	ELZ	.056																
85	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	.08	ELZ	.08																
86	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	.056	ELZ	.097																
87	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	0		ELZ	.113																
88	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	-.056	ELZ	.097																
89	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	-.08	ELZ	.08																
90	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	-.097	ELZ	.056																
91	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	-.113	0																	
92	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	-.097	ELZ	-.056																
93	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	-.08	ELZ	-.08																
94	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	-.056	ELZ	-.097																
95	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	0		ELZ	-.113																
96	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	.056	ELZ	-.097																
97	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	.08	ELZ	-.08																
98	(0.9-0.2Sds)*DL...	Yes	Y		1	.855	E...	.097	ELZ	-.056																

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Y	-.057	3
2	MP-3	Y	-.075	1
3	MP-4	Y	-.109	4.5
4	MP-3	Y	-.081	4.5
5	MP-8	Y	-.057	3
6	MP-7	Y	-.075	1
7	MP-8	Y	-.109	4.5
8	MP-7	Y	-.081	4.5
9	MP-12	Y	-.057	3
10	MP-11	Y	-.075	1
11	MP-12	Y	-.109	4.5
12	MP-11	Y	-.081	4.5
13	MP-4	Y	-.057	5
14	MP-3	Y	-.075	8
15	MP-8	Y	-.057	5
16	MP-7	Y	-.075	8
17	MP-12	Y	-.057	5
18	MP-11	Y	-.075	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.095	3
2	MP-3	X	-.266	1
3	MP-4	X	-.077	4.5
4	MP-3	X	-.104	4.5
5	MP-8	X	-.051	3
6	MP-7	X	-.139	1
7	MP-8	X	-.065	4.5
8	MP-7	X	-.064	4.5
9	MP-12	X	-.051	3
10	MP-11	X	-.139	1
11	MP-12	X	-.065	4.5
12	MP-11	X	-.064	4.5
13	MP-4	X	-.095	5
14	MP-3	X	-.266	8
15	MP-8	X	-.051	5
16	MP-7	X	-.139	8
17	MP-12	X	-.051	5
18	MP-11	X	-.139	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.07	3
2	MP-3	X	-.193	1
3	MP-4	X	-.064	4.5
4	MP-3	X	-.079	4.5
5	MP-8	X	-.032	3
6	MP-7	X	-.083	1
7	MP-8	X	-.053	4.5
8	MP-7	X	-.044	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
9	MP-12	X	-.07	3
10	MP-11	X	-.193	1
11	MP-12	X	-.064	4.5
12	MP-11	X	-.079	4.5
13	MP-4	X	-.07	5
14	MP-3	X	-.193	8
15	MP-8	X	-.032	5
16	MP-7	X	-.083	8
17	MP-12	X	-.07	5
18	MP-11	X	-.193	8
19	MP-4	Z	-.04	3
20	MP-3	Z	-.112	1
21	MP-4	Z	-.037	4.5
22	MP-3	Z	-.045	4.5
23	MP-8	Z	-.018	3
24	MP-7	Z	-.048	1
25	MP-8	Z	-.031	4.5
26	MP-7	Z	-.025	4.5
27	MP-12	Z	-.04	3
28	MP-11	Z	-.112	1
29	MP-12	Z	-.037	4.5
30	MP-11	Z	-.045	4.5
31	MP-4	Z	-.04	5
32	MP-3	Z	-.112	8
33	MP-8	Z	-.018	5
34	MP-7	Z	-.048	8
35	MP-12	Z	-.04	5
36	MP-11	Z	-.112	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.047	3
2	MP-3	X	-.128	1
3	MP-4	X	-.049	4.5
4	MP-3	X	-.055	4.5
5	MP-8	X	-.029	3
6	MP-7	X	-.076	1
7	MP-8	X	-.044	4.5
8	MP-7	X	-.038	4.5
9	MP-12	X	-.065	3
10	MP-11	X	-.18	1
11	MP-12	X	-.054	4.5
12	MP-11	X	-.071	4.5
13	MP-4	X	-.047	5
14	MP-3	X	-.128	8
15	MP-8	X	-.029	5
16	MP-7	X	-.076	8
17	MP-12	X	-.065	5
18	MP-11	X	-.18	8
19	MP-4	Z	-.047	3
20	MP-3	Z	-.128	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
21	MP-4	Z	-.049	4.5
22	MP-3	Z	-.055	4.5
23	MP-8	Z	-.029	3
24	MP-7	Z	-.076	1
25	MP-8	Z	-.044	4.5
26	MP-7	Z	-.038	4.5
27	MP-12	Z	-.065	3
28	MP-11	Z	-.18	1
29	MP-12	Z	-.054	4.5
30	MP-11	Z	-.071	4.5
31	MP-4	Z	-.047	5
32	MP-3	Z	-.128	8
33	MP-8	Z	-.029	5
34	MP-7	Z	-.076	8
35	MP-12	Z	-.065	5
36	MP-11	Z	-.18	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.026	3
2	MP-3	X	-.069	1
3	MP-4	X	-.033	4.5
4	MP-3	X	-.032	4.5
5	MP-8	X	-.026	3
6	MP-7	X	-.069	1
7	MP-8	X	-.033	4.5
8	MP-7	X	-.032	4.5
9	MP-12	X	-.048	3
10	MP-11	X	-.133	1
11	MP-12	X	-.039	4.5
12	MP-11	X	-.052	4.5
13	MP-4	X	-.026	5
14	MP-3	X	-.069	8
15	MP-8	X	-.026	5
16	MP-7	X	-.069	8
17	MP-12	X	-.048	5
18	MP-11	X	-.133	8
19	MP-4	Z	-.045	3
20	MP-3	Z	-.12	1
21	MP-4	Z	-.056	4.5
22	MP-3	Z	-.055	4.5
23	MP-8	Z	-.045	3
24	MP-7	Z	-.12	1
25	MP-8	Z	-.056	4.5
26	MP-7	Z	-.055	4.5
27	MP-12	Z	-.083	3
28	MP-11	Z	-.23	1
29	MP-12	Z	-.067	4.5
30	MP-11	Z	-.09	4.5
31	MP-4	Z	-.045	5
32	MP-3	Z	-.12	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP-8	Z	-.045	5
34	MP-7	Z	-.12	8
35	MP-12	Z	-.083	5
36	MP-11	Z	-.23	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	-.037	3
2	MP-3	Z	-.096	1
3	MP-4	Z	-.061	4.5
4	MP-3	Z	-.051	4.5
5	MP-8	Z	-.081	3
6	MP-7	Z	-.223	1
7	MP-8	Z	-.073	4.5
8	MP-7	Z	-.091	4.5
9	MP-12	Z	-.081	3
10	MP-11	Z	-.223	1
11	MP-12	Z	-.073	4.5
12	MP-11	Z	-.091	4.5
13	MP-4	Z	-.037	5
14	MP-3	Z	-.096	8
15	MP-8	Z	-.081	5
16	MP-7	Z	-.223	8
17	MP-12	Z	-.081	5
18	MP-11	Z	-.223	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.026	3
2	MP-3	X	.069	1
3	MP-4	X	.033	4.5
4	MP-3	X	.032	4.5
5	MP-8	X	.048	3
6	MP-7	X	.133	1
7	MP-8	X	.039	4.5
8	MP-7	X	.052	4.5
9	MP-12	X	.026	3
10	MP-11	X	.069	1
11	MP-12	X	.033	4.5
12	MP-11	X	.032	4.5
13	MP-4	X	.026	5
14	MP-3	X	.069	8
15	MP-8	X	.048	5
16	MP-7	X	.133	8
17	MP-12	X	.026	5
18	MP-11	X	.069	8
19	MP-4	Z	-.045	3
20	MP-3	Z	-.12	1
21	MP-4	Z	-.056	4.5
22	MP-3	Z	-.055	4.5
23	MP-8	Z	-.083	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP-7	Z	-.23	1
25	MP-8	Z	-.067	4.5
26	MP-7	Z	-.09	4.5
27	MP-12	Z	-.045	3
28	MP-11	Z	-.12	1
29	MP-12	Z	-.056	4.5
30	MP-11	Z	-.055	4.5
31	MP-4	Z	-.045	5
32	MP-3	Z	-.12	8
33	MP-8	Z	-.083	5
34	MP-7	Z	-.23	8
35	MP-12	Z	-.045	5
36	MP-11	Z	-.12	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.047	3
2	MP-3	X	.128	1
3	MP-4	X	.049	4.5
4	MP-3	X	.055	4.5
5	MP-8	X	.065	3
6	MP-7	X	.18	1
7	MP-8	X	.054	4.5
8	MP-7	X	.071	4.5
9	MP-12	X	.029	3
10	MP-11	X	.076	1
11	MP-12	X	.044	4.5
12	MP-11	X	.038	4.5
13	MP-4	X	.047	5
14	MP-3	X	.128	8
15	MP-8	X	.065	5
16	MP-7	X	.18	8
17	MP-12	X	.029	5
18	MP-11	X	.076	8
19	MP-4	Z	-.047	3
20	MP-3	Z	-.128	1
21	MP-4	Z	-.049	4.5
22	MP-3	Z	-.055	4.5
23	MP-8	Z	-.065	3
24	MP-7	Z	-.18	1
25	MP-8	Z	-.054	4.5
26	MP-7	Z	-.071	4.5
27	MP-12	Z	-.029	3
28	MP-11	Z	-.076	1
29	MP-12	Z	-.044	4.5
30	MP-11	Z	-.038	4.5
31	MP-4	Z	-.047	5
32	MP-3	Z	-.128	8
33	MP-8	Z	-.065	5
34	MP-7	Z	-.18	8
35	MP-12	Z	-.029	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
36	MP-11	Z	-.076	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.07	3
2	MP-3	X	.193	1
3	MP-4	X	.064	4.5
4	MP-3	X	.079	4.5
5	MP-8	X	.07	3
6	MP-7	X	.193	1
7	MP-8	X	.064	4.5
8	MP-7	X	.079	4.5
9	MP-12	X	.032	3
10	MP-11	X	.083	1
11	MP-12	X	.053	4.5
12	MP-11	X	.044	4.5
13	MP-4	X	.07	5
14	MP-3	X	.193	8
15	MP-8	X	.07	5
16	MP-7	X	.193	8
17	MP-12	X	.032	5
18	MP-11	X	.083	8
19	MP-4	Z	-.04	3
20	MP-3	Z	-.112	1
21	MP-4	Z	-.037	4.5
22	MP-3	Z	-.045	4.5
23	MP-8	Z	-.04	3
24	MP-7	Z	-.112	1
25	MP-8	Z	-.037	4.5
26	MP-7	Z	-.045	4.5
27	MP-12	Z	-.018	3
28	MP-11	Z	-.048	1
29	MP-12	Z	-.031	4.5
30	MP-11	Z	-.025	4.5
31	MP-4	Z	-.04	5
32	MP-3	Z	-.112	8
33	MP-8	Z	-.04	5
34	MP-7	Z	-.112	8
35	MP-12	Z	-.018	5
36	MP-11	Z	-.048	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.095	3
2	MP-3	X	.266	1
3	MP-4	X	.077	4.5
4	MP-3	X	.104	4.5
5	MP-8	X	.051	3
6	MP-7	X	.139	1
7	MP-8	X	.065	4.5
8	MP-7	X	.064	4.5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
9	MP-12	X	.051	3
10	MP-11	X	.139	1
11	MP-12	X	.065	4.5
12	MP-11	X	.064	4.5
13	MP-4	X	.095	5
14	MP-3	X	.266	8
15	MP-8	X	.051	5
16	MP-7	X	.139	8
17	MP-12	X	.051	5
18	MP-11	X	.139	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.07	3
2	MP-3	X	.193	1
3	MP-4	X	.064	4.5
4	MP-3	X	.079	4.5
5	MP-8	X	.032	3
6	MP-7	X	.083	1
7	MP-8	X	.053	4.5
8	MP-7	X	.044	4.5
9	MP-12	X	.07	3
10	MP-11	X	.193	1
11	MP-12	X	.064	4.5
12	MP-11	X	.079	4.5
13	MP-4	X	.07	5
14	MP-3	X	.193	8
15	MP-8	X	.032	5
16	MP-7	X	.083	8
17	MP-12	X	.07	5
18	MP-11	X	.193	8
19	MP-4	Z	.04	3
20	MP-3	Z	.112	1
21	MP-4	Z	.037	4.5
22	MP-3	Z	.045	4.5
23	MP-8	Z	.018	3
24	MP-7	Z	.048	1
25	MP-8	Z	.031	4.5
26	MP-7	Z	.025	4.5
27	MP-12	Z	.04	3
28	MP-11	Z	.112	1
29	MP-12	Z	.037	4.5
30	MP-11	Z	.045	4.5
31	MP-4	Z	.04	5
32	MP-3	Z	.112	8
33	MP-8	Z	.018	5
34	MP-7	Z	.048	8
35	MP-12	Z	.04	5
36	MP-11	Z	.112	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.047	3
2	MP-3	X	.128	1
3	MP-4	X	.049	4.5
4	MP-3	X	.055	4.5
5	MP-8	X	.029	3
6	MP-7	X	.076	1
7	MP-8	X	.044	4.5
8	MP-7	X	.038	4.5
9	MP-12	X	.065	3
10	MP-11	X	.18	1
11	MP-12	X	.054	4.5
12	MP-11	X	.071	4.5
13	MP-4	X	.047	5
14	MP-3	X	.128	8
15	MP-8	X	.029	5
16	MP-7	X	.076	8
17	MP-12	X	.065	5
18	MP-11	X	.18	8
19	MP-4	Z	.047	3
20	MP-3	Z	.128	1
21	MP-4	Z	.049	4.5
22	MP-3	Z	.055	4.5
23	MP-8	Z	.029	3
24	MP-7	Z	.076	1
25	MP-8	Z	.044	4.5
26	MP-7	Z	.038	4.5
27	MP-12	Z	.065	3
28	MP-11	Z	.18	1
29	MP-12	Z	.054	4.5
30	MP-11	Z	.071	4.5
31	MP-4	Z	.047	5
32	MP-3	Z	.128	8
33	MP-8	Z	.029	5
34	MP-7	Z	.076	8
35	MP-12	Z	.065	5
36	MP-11	Z	.18	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.026	3
2	MP-3	X	.069	1
3	MP-4	X	.033	4.5
4	MP-3	X	.032	4.5
5	MP-8	X	.026	3
6	MP-7	X	.069	1
7	MP-8	X	.033	4.5
8	MP-7	X	.032	4.5
9	MP-12	X	.048	3
10	MP-11	X	.133	1
11	MP-12	X	.039	4.5
12	MP-11	X	.052	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
13	MP-4	X	.026	5
14	MP-3	X	.069	8
15	MP-8	X	.026	5
16	MP-7	X	.069	8
17	MP-12	X	.048	5
18	MP-11	X	.133	8
19	MP-4	Z	.045	3
20	MP-3	Z	.12	1
21	MP-4	Z	.056	4.5
22	MP-3	Z	.055	4.5
23	MP-8	Z	.045	3
24	MP-7	Z	.12	1
25	MP-8	Z	.056	4.5
26	MP-7	Z	.055	4.5
27	MP-12	Z	.083	3
28	MP-11	Z	.23	1
29	MP-12	Z	.067	4.5
30	MP-11	Z	.09	4.5
31	MP-4	Z	.045	5
32	MP-3	Z	.12	8
33	MP-8	Z	.045	5
34	MP-7	Z	.12	8
35	MP-12	Z	.083	5
36	MP-11	Z	.23	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	.037	3
2	MP-3	Z	.096	1
3	MP-4	Z	.061	4.5
4	MP-3	Z	.051	4.5
5	MP-8	Z	.081	3
6	MP-7	Z	.223	1
7	MP-8	Z	.073	4.5
8	MP-7	Z	.091	4.5
9	MP-12	Z	.081	3
10	MP-11	Z	.223	1
11	MP-12	Z	.073	4.5
12	MP-11	Z	.091	4.5
13	MP-4	Z	.037	5
14	MP-3	Z	.096	8
15	MP-8	Z	.081	5
16	MP-7	Z	.223	8
17	MP-12	Z	.081	5
18	MP-11	Z	.223	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.026	3
2	MP-3	X	-.069	1
3	MP-4	X	-.033	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP-3	X	-.032	4.5
5	MP-8	X	-.048	3
6	MP-7	X	-.133	1
7	MP-8	X	-.039	4.5
8	MP-7	X	-.052	4.5
9	MP-12	X	-.026	3
10	MP-11	X	-.069	1
11	MP-12	X	-.033	4.5
12	MP-11	X	-.032	4.5
13	MP-4	X	-.026	5
14	MP-3	X	-.069	8
15	MP-8	X	-.048	5
16	MP-7	X	-.133	8
17	MP-12	X	-.026	5
18	MP-11	X	-.069	8
19	MP-4	Z	.045	3
20	MP-3	Z	.12	1
21	MP-4	Z	.056	4.5
22	MP-3	Z	.055	4.5
23	MP-8	Z	.083	3
24	MP-7	Z	.23	1
25	MP-8	Z	.067	4.5
26	MP-7	Z	.09	4.5
27	MP-12	Z	.045	3
28	MP-11	Z	.12	1
29	MP-12	Z	.056	4.5
30	MP-11	Z	.055	4.5
31	MP-4	Z	.045	5
32	MP-3	Z	.12	8
33	MP-8	Z	.083	5
34	MP-7	Z	.23	8
35	MP-12	Z	.045	5
36	MP-11	Z	.12	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.047	3
2	MP-3	X	-.128	1
3	MP-4	X	-.049	4.5
4	MP-3	X	-.055	4.5
5	MP-8	X	-.065	3
6	MP-7	X	-.18	1
7	MP-8	X	-.054	4.5
8	MP-7	X	-.071	4.5
9	MP-12	X	-.029	3
10	MP-11	X	-.076	1
11	MP-12	X	-.044	4.5
12	MP-11	X	-.038	4.5
13	MP-4	X	-.047	5
14	MP-3	X	-.128	8
15	MP-8	X	-.065	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP-7	X	-.18	8
17	MP-12	X	-.029	5
18	MP-11	X	-.076	8
19	MP-4	Z	.047	3
20	MP-3	Z	.128	1
21	MP-4	Z	.049	4.5
22	MP-3	Z	.055	4.5
23	MP-8	Z	.065	3
24	MP-7	Z	.18	1
25	MP-8	Z	.054	4.5
26	MP-7	Z	.071	4.5
27	MP-12	Z	.029	3
28	MP-11	Z	.076	1
29	MP-12	Z	.044	4.5
30	MP-11	Z	.038	4.5
31	MP-4	Z	.047	5
32	MP-3	Z	.128	8
33	MP-8	Z	.065	5
34	MP-7	Z	.18	8
35	MP-12	Z	.029	5
36	MP-11	Z	.076	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.07	3
2	MP-3	X	-.193	1
3	MP-4	X	-.064	4.5
4	MP-3	X	-.079	4.5
5	MP-8	X	-.07	3
6	MP-7	X	-.193	1
7	MP-8	X	-.064	4.5
8	MP-7	X	-.079	4.5
9	MP-12	X	-.032	3
10	MP-11	X	-.083	1
11	MP-12	X	-.053	4.5
12	MP-11	X	-.044	4.5
13	MP-4	X	-.07	5
14	MP-3	X	-.193	8
15	MP-8	X	-.07	5
16	MP-7	X	-.193	8
17	MP-12	X	-.032	5
18	MP-11	X	-.083	8
19	MP-4	Z	.04	3
20	MP-3	Z	.112	1
21	MP-4	Z	.037	4.5
22	MP-3	Z	.045	4.5
23	MP-8	Z	.04	3
24	MP-7	Z	.112	1
25	MP-8	Z	.037	4.5
26	MP-7	Z	.045	4.5
27	MP-12	Z	.018	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP-11	Z	.048	1
29	MP-12	Z	.031	4.5
30	MP-11	Z	.025	4.5
31	MP-4	Z	.04	5
32	MP-3	Z	.112	8
33	MP-8	Z	.04	5
34	MP-7	Z	.112	8
35	MP-12	Z	.018	5
36	MP-11	Z	.048	8

Member Point Loads (BLC 18 : Ice Weight)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Y	-.049	3
2	MP-3	Y	-.139	1
3	MP-4	Y	-.057	4.5
4	MP-3	Y	-.057	4.5
5	MP-8	Y	-.049	3
6	MP-7	Y	-.139	1
7	MP-8	Y	-.057	4.5
8	MP-7	Y	-.057	4.5
9	MP-12	Y	-.049	3
10	MP-11	Y	-.139	1
11	MP-12	Y	-.057	4.5
12	MP-11	Y	-.057	4.5
13	MP-4	Y	-.049	5
14	MP-3	Y	-.139	8
15	MP-8	Y	-.049	5
16	MP-7	Y	-.139	8
17	MP-12	Y	-.049	5
18	MP-11	Y	-.139	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.021	3
2	MP-3	X	-.053	1
3	MP-4	X	-.018	4.5
4	MP-3	X	-.023	4.5
5	MP-8	X	-.021	3
6	MP-7	X	-.053	1
7	MP-8	X	-.018	4.5
8	MP-7	X	-.023	4.5
9	MP-12	X	-.021	3
10	MP-11	X	-.053	1
11	MP-12	X	-.018	4.5
12	MP-11	X	-.023	4.5
13	MP-4	X	-.021	5
14	MP-3	X	-.053	8
15	MP-8	X	-.021	5
16	MP-7	X	-.053	8
17	MP-12	X	-.021	5
18	MP-11	X	-.053	8

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Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.016	3
2	MP-3	X	-.04	1
3	MP-4	X	-.015	4.5
4	MP-3	X	-.018	4.5
5	MP-8	X	-.008	3
6	MP-7	X	-.02	1
7	MP-8	X	-.013	4.5
8	MP-7	X	-.011	4.5
9	MP-12	X	-.016	3
10	MP-11	X	-.04	1
11	MP-12	X	-.015	4.5
12	MP-11	X	-.018	4.5
13	MP-4	X	-.016	5
14	MP-3	X	-.04	8
15	MP-8	X	-.008	5
16	MP-7	X	-.02	8
17	MP-12	X	-.016	5
18	MP-11	X	-.04	8
19	MP-4	Z	-.009	3
20	MP-3	Z	-.023	1
21	MP-4	Z	-.008	4.5
22	MP-3	Z	-.01	4.5
23	MP-8	Z	-.005	3
24	MP-7	Z	-.012	1
25	MP-8	Z	-.007	4.5
26	MP-7	Z	-.006	4.5
27	MP-12	Z	-.009	3
28	MP-11	Z	-.023	1
29	MP-12	Z	-.008	4.5
30	MP-11	Z	-.01	4.5
31	MP-4	Z	-.009	5
32	MP-3	Z	-.023	8
33	MP-8	Z	-.005	5
34	MP-7	Z	-.012	8
35	MP-12	Z	-.009	5
36	MP-11	Z	-.023	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.011	3
2	MP-3	X	-.027	1
3	MP-4	X	-.011	4.5
4	MP-3	X	-.013	4.5
5	MP-8	X	-.007	3
6	MP-7	X	-.018	1
7	MP-8	X	-.01	4.5
8	MP-7	X	-.009	4.5
9	MP-12	X	-.014	3
10	MP-11	X	-.036	1
11	MP-12	X	-.012	4.5
12	MP-11	X	-.016	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
13	MP-4	X	-.011	5
14	MP-3	X	-.027	8
15	MP-8	X	-.007	5
16	MP-7	X	-.018	8
17	MP-12	X	-.014	5
18	MP-11	X	-.036	8
19	MP-4	Z	-.011	3
20	MP-3	Z	-.027	1
21	MP-4	Z	-.011	4.5
22	MP-3	Z	-.013	4.5
23	MP-8	Z	-.007	3
24	MP-7	Z	-.018	1
25	MP-8	Z	-.01	4.5
26	MP-7	Z	-.009	4.5
27	MP-12	Z	-.014	3
28	MP-11	Z	-.036	1
29	MP-12	Z	-.012	4.5
30	MP-11	Z	-.016	4.5
31	MP-4	Z	-.011	5
32	MP-3	Z	-.027	8
33	MP-8	Z	-.007	5
34	MP-7	Z	-.018	8
35	MP-12	Z	-.014	5
36	MP-11	Z	-.036	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.006	3
2	MP-3	X	-.015	1
3	MP-4	X	-.008	4.5
4	MP-3	X	-.008	4.5
5	MP-8	X	-.006	3
6	MP-7	X	-.015	1
7	MP-8	X	-.008	4.5
8	MP-7	X	-.008	4.5
9	MP-12	X	-.01	3
10	MP-11	X	-.027	1
11	MP-12	X	-.009	4.5
12	MP-11	X	-.012	4.5
13	MP-4	X	-.006	5
14	MP-3	X	-.015	8
15	MP-8	X	-.006	5
16	MP-7	X	-.015	8
17	MP-12	X	-.01	5
18	MP-11	X	-.027	8
19	MP-4	Z	-.011	3
20	MP-3	Z	-.027	1
21	MP-4	Z	-.013	4.5
22	MP-3	Z	-.013	4.5
23	MP-8	Z	-.011	3
24	MP-7	Z	-.027	1

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP-8	Z	-.013	4.5
26	MP-7	Z	-.013	4.5
27	MP-12	Z	-.018	3
28	MP-11	Z	-.046	1
29	MP-12	Z	-.015	4.5
30	MP-11	Z	-.02	4.5
31	MP-4	Z	-.011	5
32	MP-3	Z	-.027	8
33	MP-8	Z	-.011	5
34	MP-7	Z	-.027	8
35	MP-12	Z	-.018	5
36	MP-11	Z	-.046	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	-.01	3
2	MP-3	Z	-.023	1
3	MP-4	Z	-.014	4.5
4	MP-3	Z	-.013	4.5
5	MP-8	Z	-.01	3
6	MP-7	Z	-.023	1
7	MP-8	Z	-.014	4.5
8	MP-7	Z	-.013	4.5
9	MP-12	Z	-.01	3
10	MP-11	Z	-.023	1
11	MP-12	Z	-.014	4.5
12	MP-11	Z	-.013	4.5
13	MP-4	Z	-.01	5
14	MP-3	Z	-.023	8
15	MP-8	Z	-.01	5
16	MP-7	Z	-.023	8
17	MP-12	Z	-.01	5
18	MP-11	Z	-.023	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.006	3
2	MP-3	X	.015	1
3	MP-4	X	.008	4.5
4	MP-3	X	.008	4.5
5	MP-8	X	.01	3
6	MP-7	X	.027	1
7	MP-8	X	.009	4.5
8	MP-7	X	.012	4.5
9	MP-12	X	.006	3
10	MP-11	X	.015	1
11	MP-12	X	.008	4.5
12	MP-11	X	.008	4.5
13	MP-4	X	.006	5
14	MP-3	X	.015	8
15	MP-8	X	.01	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP-7	X	.027	8
17	MP-12	X	.006	5
18	MP-11	X	.015	8
19	MP-4	Z	-.011	3
20	MP-3	Z	-.027	1
21	MP-4	Z	-.013	4.5
22	MP-3	Z	-.013	4.5
23	MP-8	Z	-.018	3
24	MP-7	Z	-.046	1
25	MP-8	Z	-.015	4.5
26	MP-7	Z	-.02	4.5
27	MP-12	Z	-.011	3
28	MP-11	Z	-.027	1
29	MP-12	Z	-.013	4.5
30	MP-11	Z	-.013	4.5
31	MP-4	Z	-.011	5
32	MP-3	Z	-.027	8
33	MP-8	Z	-.018	5
34	MP-7	Z	-.046	8
35	MP-12	Z	-.011	5
36	MP-11	Z	-.027	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.011	3
2	MP-3	X	.027	1
3	MP-4	X	.011	4.5
4	MP-3	X	.013	4.5
5	MP-8	X	.014	3
6	MP-7	X	.036	1
7	MP-8	X	.012	4.5
8	MP-7	X	.016	4.5
9	MP-12	X	.007	3
10	MP-11	X	.018	1
11	MP-12	X	.01	4.5
12	MP-11	X	.009	4.5
13	MP-4	X	.011	5
14	MP-3	X	.027	8
15	MP-8	X	.014	5
16	MP-7	X	.036	8
17	MP-12	X	.007	5
18	MP-11	X	.018	8
19	MP-4	Z	-.011	3
20	MP-3	Z	-.027	1
21	MP-4	Z	-.011	4.5
22	MP-3	Z	-.013	4.5
23	MP-8	Z	-.014	3
24	MP-7	Z	-.036	1
25	MP-8	Z	-.012	4.5
26	MP-7	Z	-.016	4.5
27	MP-12	Z	-.007	3

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP-11	Z	-.018	1
29	MP-12	Z	-.01	4.5
30	MP-11	Z	-.009	4.5
31	MP-4	Z	-.011	5
32	MP-3	Z	-.027	8
33	MP-8	Z	-.014	5
34	MP-7	Z	-.036	8
35	MP-12	Z	-.007	5
36	MP-11	Z	-.018	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.016	3
2	MP-3	X	.04	1
3	MP-4	X	.015	4.5
4	MP-3	X	.018	4.5
5	MP-8	X	.016	3
6	MP-7	X	.04	1
7	MP-8	X	.015	4.5
8	MP-7	X	.018	4.5
9	MP-12	X	.008	3
10	MP-11	X	.02	1
11	MP-12	X	.013	4.5
12	MP-11	X	.011	4.5
13	MP-4	X	.016	5
14	MP-3	X	.04	8
15	MP-8	X	.016	5
16	MP-7	X	.04	8
17	MP-12	X	.008	5
18	MP-11	X	.02	8
19	MP-4	Z	-.009	3
20	MP-3	Z	-.023	1
21	MP-4	Z	-.008	4.5
22	MP-3	Z	-.01	4.5
23	MP-8	Z	-.009	3
24	MP-7	Z	-.023	1
25	MP-8	Z	-.008	4.5
26	MP-7	Z	-.01	4.5
27	MP-12	Z	-.005	3
28	MP-11	Z	-.012	1
29	MP-12	Z	-.007	4.5
30	MP-11	Z	-.006	4.5
31	MP-4	Z	-.009	5
32	MP-3	Z	-.023	8
33	MP-8	Z	-.009	5
34	MP-7	Z	-.023	8
35	MP-12	Z	-.005	5
36	MP-11	Z	-.012	8

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.021	3
2	MP-3	X	.053	1
3	MP-4	X	.018	4.5
4	MP-3	X	.023	4.5
5	MP-8	X	.021	3
6	MP-7	X	.053	1
7	MP-8	X	.018	4.5
8	MP-7	X	.023	4.5
9	MP-12	X	.021	3
10	MP-11	X	.053	1
11	MP-12	X	.018	4.5
12	MP-11	X	.023	4.5
13	MP-4	X	.021	5
14	MP-3	X	.053	8
15	MP-8	X	.021	5
16	MP-7	X	.053	8
17	MP-12	X	.021	5
18	MP-11	X	.053	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.016	3
2	MP-3	X	.04	1
3	MP-4	X	.015	4.5
4	MP-3	X	.018	4.5
5	MP-8	X	.008	3
6	MP-7	X	.02	1
7	MP-8	X	.013	4.5
8	MP-7	X	.011	4.5
9	MP-12	X	.016	3
10	MP-11	X	.04	1
11	MP-12	X	.015	4.5
12	MP-11	X	.018	4.5
13	MP-4	X	.016	5
14	MP-3	X	.04	8
15	MP-8	X	.008	5
16	MP-7	X	.02	8
17	MP-12	X	.016	5
18	MP-11	X	.04	8
19	MP-4	Z	.009	3
20	MP-3	Z	.023	1
21	MP-4	Z	.008	4.5
22	MP-3	Z	.01	4.5
23	MP-8	Z	.005	3
24	MP-7	Z	.012	1
25	MP-8	Z	.007	4.5
26	MP-7	Z	.006	4.5
27	MP-12	Z	.009	3
28	MP-11	Z	.023	1
29	MP-12	Z	.008	4.5
30	MP-11	Z	.01	4.5

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
31	MP-4	Z	.009	5
32	MP-3	Z	.023	8
33	MP-8	Z	.005	5
34	MP-7	Z	.012	8
35	MP-12	Z	.009	5
36	MP-11	Z	.023	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.011	3
2	MP-3	X	.027	1
3	MP-4	X	.011	4.5
4	MP-3	X	.013	4.5
5	MP-8	X	.007	3
6	MP-7	X	.018	1
7	MP-8	X	.01	4.5
8	MP-7	X	.009	4.5
9	MP-12	X	.014	3
10	MP-11	X	.036	1
11	MP-12	X	.012	4.5
12	MP-11	X	.016	4.5
13	MP-4	X	.011	5
14	MP-3	X	.027	8
15	MP-8	X	.007	5
16	MP-7	X	.018	8
17	MP-12	X	.014	5
18	MP-11	X	.036	8
19	MP-4	Z	.011	3
20	MP-3	Z	.027	1
21	MP-4	Z	.011	4.5
22	MP-3	Z	.013	4.5
23	MP-8	Z	.007	3
24	MP-7	Z	.018	1
25	MP-8	Z	.01	4.5
26	MP-7	Z	.009	4.5
27	MP-12	Z	.014	3
28	MP-11	Z	.036	1
29	MP-12	Z	.012	4.5
30	MP-11	Z	.016	4.5
31	MP-4	Z	.011	5
32	MP-3	Z	.027	8
33	MP-8	Z	.007	5
34	MP-7	Z	.018	8
35	MP-12	Z	.014	5
36	MP-11	Z	.036	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	.006	3
2	MP-3	X	.015	1
3	MP-4	X	.008	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP-3	X	.008	4.5
5	MP-8	X	.006	3
6	MP-7	X	.015	1
7	MP-8	X	.008	4.5
8	MP-7	X	.008	4.5
9	MP-12	X	.01	3
10	MP-11	X	.027	1
11	MP-12	X	.009	4.5
12	MP-11	X	.012	4.5
13	MP-4	X	.006	5
14	MP-3	X	.015	8
15	MP-8	X	.006	5
16	MP-7	X	.015	8
17	MP-12	X	.01	5
18	MP-11	X	.027	8
19	MP-4	Z	.011	3
20	MP-3	Z	.027	1
21	MP-4	Z	.013	4.5
22	MP-3	Z	.013	4.5
23	MP-8	Z	.011	3
24	MP-7	Z	.027	1
25	MP-8	Z	.013	4.5
26	MP-7	Z	.013	4.5
27	MP-12	Z	.018	3
28	MP-11	Z	.046	1
29	MP-12	Z	.015	4.5
30	MP-11	Z	.02	4.5
31	MP-4	Z	.011	5
32	MP-3	Z	.027	8
33	MP-8	Z	.011	5
34	MP-7	Z	.027	8
35	MP-12	Z	.018	5
36	MP-11	Z	.046	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	.01	3
2	MP-3	Z	.023	1
3	MP-4	Z	.014	4.5
4	MP-3	Z	.013	4.5
5	MP-8	Z	.01	3
6	MP-7	Z	.023	1
7	MP-8	Z	.014	4.5
8	MP-7	Z	.013	4.5
9	MP-12	Z	.01	3
10	MP-11	Z	.023	1
11	MP-12	Z	.014	4.5
12	MP-11	Z	.013	4.5
13	MP-4	Z	.01	5
14	MP-3	Z	.023	8
15	MP-8	Z	.01	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP-7	Z	.023	8
17	MP-12	Z	.01	5
18	MP-11	Z	.023	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.006	3
2	MP-3	X	-.015	1
3	MP-4	X	-.008	4.5
4	MP-3	X	-.008	4.5
5	MP-8	X	-.01	3
6	MP-7	X	-.027	1
7	MP-8	X	-.009	4.5
8	MP-7	X	-.012	4.5
9	MP-12	X	-.006	3
10	MP-11	X	-.015	1
11	MP-12	X	-.008	4.5
12	MP-11	X	-.008	4.5
13	MP-4	X	-.006	5
14	MP-3	X	-.015	8
15	MP-8	X	-.01	5
16	MP-7	X	-.027	8
17	MP-12	X	-.006	5
18	MP-11	X	-.015	8
19	MP-4	Z	.011	3
20	MP-3	Z	.027	1
21	MP-4	Z	.013	4.5
22	MP-3	Z	.013	4.5
23	MP-8	Z	.018	3
24	MP-7	Z	.046	1
25	MP-8	Z	.015	4.5
26	MP-7	Z	.02	4.5
27	MP-12	Z	.011	3
28	MP-11	Z	.027	1
29	MP-12	Z	.013	4.5
30	MP-11	Z	.013	4.5
31	MP-4	Z	.011	5
32	MP-3	Z	.027	8
33	MP-8	Z	.018	5
34	MP-7	Z	.046	8
35	MP-12	Z	.011	5
36	MP-11	Z	.027	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.011	3
2	MP-3	X	-.027	1
3	MP-4	X	-.011	4.5
4	MP-3	X	-.013	4.5
5	MP-8	X	-.014	3
6	MP-7	X	-.036	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
7	MP-8	X	-.012	4.5
8	MP-7	X	-.016	4.5
9	MP-12	X	-.007	3
10	MP-11	X	-.018	1
11	MP-12	X	-.01	4.5
12	MP-11	X	-.009	4.5
13	MP-4	X	-.011	5
14	MP-3	X	-.027	8
15	MP-8	X	-.014	5
16	MP-7	X	-.036	8
17	MP-12	X	-.007	5
18	MP-11	X	-.018	8
19	MP-4	Z	.011	3
20	MP-3	Z	.027	1
21	MP-4	Z	.011	4.5
22	MP-3	Z	.013	4.5
23	MP-8	Z	.014	3
24	MP-7	Z	.036	1
25	MP-8	Z	.012	4.5
26	MP-7	Z	.016	4.5
27	MP-12	Z	.007	3
28	MP-11	Z	.018	1
29	MP-12	Z	.01	4.5
30	MP-11	Z	.009	4.5
31	MP-4	Z	.011	5
32	MP-3	Z	.027	8
33	MP-8	Z	.014	5
34	MP-7	Z	.036	8
35	MP-12	Z	.007	5
36	MP-11	Z	.018	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.016	3
2	MP-3	X	-.04	1
3	MP-4	X	-.015	4.5
4	MP-3	X	-.018	4.5
5	MP-8	X	-.016	3
6	MP-7	X	-.04	1
7	MP-8	X	-.015	4.5
8	MP-7	X	-.018	4.5
9	MP-12	X	-.008	3
10	MP-11	X	-.02	1
11	MP-12	X	-.013	4.5
12	MP-11	X	-.011	4.5
13	MP-4	X	-.016	5
14	MP-3	X	-.04	8
15	MP-8	X	-.016	5
16	MP-7	X	-.04	8
17	MP-12	X	-.008	5
18	MP-11	X	-.02	8

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
19	MP-4	Z	.009	3
20	MP-3	Z	.023	1
21	MP-4	Z	.008	4.5
22	MP-3	Z	.01	4.5
23	MP-8	Z	.009	3
24	MP-7	Z	.023	1
25	MP-8	Z	.008	4.5
26	MP-7	Z	.01	4.5
27	MP-12	Z	.005	3
28	MP-11	Z	.012	1
29	MP-12	Z	.007	4.5
30	MP-11	Z	.006	4.5
31	MP-4	Z	.009	5
32	MP-3	Z	.023	8
33	MP-8	Z	.009	5
34	MP-7	Z	.023	8
35	MP-12	Z	.005	5
36	MP-11	Z	.012	8

Member Point Loads (BLC 37 : Seismic Load X)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	X	-.057	3
2	MP-3	X	-.075	1
3	MP-4	X	-.109	4.5
4	MP-3	X	-.081	4.5
5	MP-8	X	-.057	3
6	MP-7	X	-.075	1
7	MP-8	X	-.109	4.5
8	MP-7	X	-.081	4.5
9	MP-12	X	-.057	3
10	MP-11	X	-.075	1
11	MP-12	X	-.109	4.5
12	MP-11	X	-.081	4.5
13	MP-4	X	-.057	5
14	MP-3	X	-.075	8
15	MP-8	X	-.057	5
16	MP-7	X	-.075	8
17	MP-12	X	-.057	5
18	MP-11	X	-.075	8

Member Point Loads (BLC 38 : Seismic Load Z)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-4	Z	-.057	3
2	MP-3	Z	-.075	1
3	MP-4	Z	-.109	4.5
4	MP-3	Z	-.081	4.5
5	MP-8	Z	-.057	3
6	MP-7	Z	-.075	1
7	MP-8	Z	-.109	4.5
8	MP-7	Z	-.081	4.5
9	MP-12	Z	-.057	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP-11	Z	-.075	1
11	MP-12	Z	-.109	4.5
12	MP-11	Z	-.081	4.5
13	MP-4	Z	-.057	5
14	MP-3	Z	-.075	8
15	MP-8	Z	-.057	5
16	MP-7	Z	-.075	8
17	MP-12	Z	-.057	5
18	MP-11	Z	-.075	8

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	CP-1	X	-.001	-.001	0	%100
2	CP-1U	X	-.005	-.005	0	%100
3	CP-2	X	-.001	-.001	0	%100
4	CP-2U	X	-.005	-.005	0	%100
5	CP-3	X	-.003	-.003	0	%100
6	CP-3U	X	-.01	-.01	0	%100
7	FF-HR	X	-.009	-.009	0	%100
8	FFTH	X	-.036	-.036	0	%100
9	GSI-1	X	-.008	-.008	0	%100
10	GSI-2	X	-.008	-.008	0	%100
11	GSI-3	X	-.02	-.02	0	%100
12	INT1-P1	X	-.009	-.009	0	%100
13	INT1-P2	X	-.009	-.009	0	%100
14	INT2-P1	X	-.018	-.018	0	%100
15	INT2-P2	X	-.018	-.018	0	%100
16	INT3-P1	X	-.009	-.009	0	%100
17	INT3-P2	X	-.009	-.009	0	%100
18	K1	X	-.015	-.015	0	%100
19	K2	X	-.015	-.015	0	%100
20	K3	X	-.015	-.015	0	%100
21	MP-1	X	-.009	-.009	0	%100
22	MP-2	X	-.009	-.009	0	%100
23	MP-3	X	-.009	-.009	0	%100
24	MP-4	X	-.009	-.009	0	%100
25	MP-5	X	-.009	-.009	0	%100
26	MP-6	X	-.009	-.009	0	%100
27	MP-7	X	-.009	-.009	0	%100
28	MP-8	X	-.009	-.009	0	%100
29	MP-9	X	-.009	-.009	0	%100
30	MP-10	X	-.009	-.009	0	%100
31	MP-11	X	-.009	-.009	0	%100
32	MP-12	X	-.009	-.009	0	%100
33	SA-1	X	-.018	-.018	0	%100
34	SA-2	X	-.018	-.018	0	%100
35	SA-3	X	0	0	0	%100
36	SF1-HR	X	-.004	-.004	0	%100
37	SF1-TH	X	-.014	-.014	0	%100
38	SF2-HR	X	-.004	-.004	0	%100

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Designer : JCM
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Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
39	SF2-TH	X	-.014	-.014	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	CP-1	X	0	0	0	%100
2	CP-1U	X	0	0	0	%100
3	CP-2	X	-.002	-.002	0	%100
4	CP-2U	X	-.007	-.007	0	%100
5	CP-3	X	-.002	-.002	0	%100
6	CP-3U	X	-.007	-.007	0	%100
7	FF-HR	X	-.006	-.006	0	%100
8	FFTH	X	-.027	-.027	0	%100
9	GSI-1	X	-.012	-.012	0	%100
10	GSI-2	X	0	0	0	%100
11	GSI-3	X	-.015	-.015	0	%100
12	INT1-P1	X	-.014	-.014	0	%100
13	INT1-P2	X	-.014	-.014	0	%100
14	INT2-P1	X	-.014	-.014	0	%100
15	INT2-P2	X	-.014	-.014	0	%100
16	INT3-P1	X	0	0	0	%100
17	INT3-P2	X	0	0	0	%100
18	K1	X	-.013	-.013	0	%100
19	K2	X	-.013	-.013	0	%100
20	K3	X	-.013	-.013	0	%100
21	MP-1	X	-.007	-.007	0	%100
22	MP-2	X	-.007	-.007	0	%100
23	MP-3	X	-.007	-.007	0	%100
24	MP-4	X	-.007	-.007	0	%100
25	MP-5	X	-.007	-.007	0	%100
26	MP-6	X	-.007	-.007	0	%100
27	MP-7	X	-.007	-.007	0	%100
28	MP-8	X	-.007	-.007	0	%100
29	MP-9	X	-.007	-.007	0	%100
30	MP-10	X	-.007	-.007	0	%100
31	MP-11	X	-.007	-.007	0	%100
32	MP-12	X	-.007	-.007	0	%100
33	SA-1	X	-.009	-.009	0	%100
34	SA-2	X	-.018	-.018	0	%100
35	SA-3	X	-.006	-.006	0	%100
36	SF1-HR	X	-.006	-.006	0	%100
37	SF1-TH	X	-.022	-.022	0	%100
38	SF2-HR	X	0	0	0	%100
39	SF2-TH	X	0	0	0	%100
40	CP-1	Z	0	0	0	%100
41	CP-1U	Z	0	0	0	%100
42	CP-2	Z	-.001	-.001	0	%100
43	CP-2U	Z	-.004	-.004	0	%100
44	CP-3	Z	-.001	-.001	0	%100
45	CP-3U	Z	-.004	-.004	0	%100
46	FF-HR	Z	-.004	-.004	0	%100
47	FFTH	Z	-.016	-.016	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,%]
48	GSI-1	Z	-.008	-.008	0	%100
49	GSI-2	Z	0	0	0	%100
50	GSI-3	Z	-.008	-.008	0	%100
51	INT1-P1	Z	-.008	-.008	0	%100
52	INT1-P2	Z	-.008	-.008	0	%100
53	INT2-P1	Z	-.008	-.008	0	%100
54	INT2-P2	Z	-.008	-.008	0	%100
55	INT3-P1	Z	0	0	0	%100
56	INT3-P2	Z	0	0	0	%100
57	K1	Z	-.008	-.008	0	%100
58	K2	Z	-.008	-.008	0	%100
59	K3	Z	-.008	-.008	0	%100
60	MP-1	Z	-.004	-.004	0	%100
61	MP-2	Z	-.004	-.004	0	%100
62	MP-3	Z	-.004	-.004	0	%100
63	MP-4	Z	-.004	-.004	0	%100
64	MP-5	Z	-.004	-.004	0	%100
65	MP-6	Z	-.004	-.004	0	%100
66	MP-7	Z	-.004	-.004	0	%100
67	MP-8	Z	-.004	-.004	0	%100
68	MP-9	Z	-.004	-.004	0	%100
69	MP-10	Z	-.004	-.004	0	%100
70	MP-11	Z	-.004	-.004	0	%100
71	MP-12	Z	-.004	-.004	0	%100
72	SA-1	Z	-.004	-.004	0	%100
73	SA-2	Z	-.009	-.009	0	%100
74	SA-3	Z	-.005	-.005	0	%100
75	SF1-HR	Z	-.004	-.004	0	%100
76	SF1-TH	Z	-.015	-.015	0	%100
77	SF2-HR	Z	0	0	0	%100
78	SF2-TH	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	-.000477	-.000477	0	%100
2	CP-1U	X	-.002	-.002	0	%100
3	CP-2	X	-.002	-.002	0	%100
4	CP-2U	X	-.006	-.006	0	%100
5	CP-3	X	-.002	-.002	0	%100
6	CP-3U	X	-.005	-.005	0	%100
7	FF-HR	X	-.004	-.004	0	%100
8	FFTH	X	-.018	-.018	0	%100
9	GSI-1	X	-.011	-.011	0	%100
10	GSI-2	X	-.003	-.003	0	%100
11	GSI-3	X	-.01	-.01	0	%100
12	INT1-P1	X	-.012	-.012	0	%100
13	INT1-P2	X	-.012	-.012	0	%100
14	INT2-P1	X	-.009	-.009	0	%100
15	INT2-P2	X	-.009	-.009	0	%100
16	INT3-P1	X	-.003	-.003	0	%100
17	INT3-P2	X	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	K1	X	-.011	-.011	0	%100
19	K2	X	-.011	-.011	0	%100
20	K3	X	-.011	-.011	0	%100
21	MP-1	X	-.006	-.006	0	%100
22	MP-2	X	-.006	-.006	0	%100
23	MP-3	X	-.006	-.006	0	%100
24	MP-4	X	-.006	-.006	0	%100
25	MP-5	X	-.006	-.006	0	%100
26	MP-6	X	-.006	-.006	0	%100
27	MP-7	X	-.006	-.006	0	%100
28	MP-8	X	-.006	-.006	0	%100
29	MP-9	X	-.006	-.006	0	%100
30	MP-10	X	-.006	-.006	0	%100
31	MP-11	X	-.006	-.006	0	%100
32	MP-12	X	-.006	-.006	0	%100
33	SA-1	X	-.004	-.004	0	%100
34	SA-2	X	-.014	-.014	0	%100
35	SA-3	X	-.007	-.007	0	%100
36	SF1-HR	X	-.006	-.006	0	%100
37	SF1-TH	X	-.02	-.02	0	%100
38	SF2-HR	X	-.002	-.002	0	%100
39	SF2-TH	X	-.005	-.005	0	%100
40	CP-1	Z	-.000552	-.000552	0	%100
41	CP-1U	Z	-.002	-.002	0	%100
42	CP-2	Z	-.002	-.002	0	%100
43	CP-2U	Z	-.007	-.007	0	%100
44	CP-3	Z	-.002	-.002	0	%100
45	CP-3U	Z	-.005	-.005	0	%100
46	FF-HR	Z	-.004	-.004	0	%100
47	FFTH	Z	-.018	-.018	0	%100
48	GSI-1	Z	-.013	-.013	0	%100
49	GSI-2	Z	-.003	-.003	0	%100
50	GSI-3	Z	-.01	-.01	0	%100
51	INT1-P1	Z	-.012	-.012	0	%100
52	INT1-P2	Z	-.012	-.012	0	%100
53	INT2-P1	Z	-.009	-.009	0	%100
54	INT2-P2	Z	-.009	-.009	0	%100
55	INT3-P1	Z	-.003	-.003	0	%100
56	INT3-P2	Z	-.003	-.003	0	%100
57	K1	Z	-.011	-.011	0	%100
58	K2	Z	-.011	-.011	0	%100
59	K3	Z	-.011	-.011	0	%100
60	MP-1	Z	-.006	-.006	0	%100
61	MP-2	Z	-.006	-.006	0	%100
62	MP-3	Z	-.006	-.006	0	%100
63	MP-4	Z	-.006	-.006	0	%100
64	MP-5	Z	-.006	-.006	0	%100
65	MP-6	Z	-.006	-.006	0	%100
66	MP-7	Z	-.006	-.006	0	%100
67	MP-8	Z	-.006	-.006	0	%100
68	MP-9	Z	-.006	-.006	0	%100
69	MP-10	Z	-.006	-.006	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,%]
70	MP-11	Z	-.006	-.006	0	%100
71	MP-12	Z	-.006	-.006	0	%100
72	SA-1	Z	-.003	-.003	0	%100
73	SA-2	Z	-.012	-.012	0	%100
74	SA-3	Z	-.011	-.011	0	%100
75	SF1-HR	Z	-.006	-.006	0	%100
76	SF1-TH	Z	-.024	-.024	0	%100
77	SF2-HR	Z	-.002	-.002	0	%100
78	SF2-TH	Z	-.006	-.006	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	CP-1	X	-.000651	-.000651	0	%100
2	CP-1U	X	-.002	-.002	0	%100
3	CP-2	X	-.001	-.001	0	%100
4	CP-2U	X	-.005	-.005	0	%100
5	CP-3	X	-.000753	-.000753	0	%100
6	CP-3U	X	-.002	-.002	0	%100
7	FF-HR	X	-.002	-.002	0	%100
8	FFTH	X	-.009	-.009	0	%100
9	GSI-1	X	-.008	-.008	0	%100
10	GSI-2	X	-.004	-.004	0	%100
11	GSI-3	X	-.005	-.005	0	%100
12	INT1-P1	X	-.009	-.009	0	%100
13	INT1-P2	X	-.009	-.009	0	%100
14	INT2-P1	X	-.005	-.005	0	%100
15	INT2-P2	X	-.005	-.005	0	%100
16	INT3-P1	X	-.005	-.005	0	%100
17	INT3-P2	X	-.005	-.005	0	%100
18	K1	X	-.008	-.008	0	%100
19	K2	X	-.008	-.008	0	%100
20	K3	X	-.008	-.008	0	%100
21	MP-1	X	-.004	-.004	0	%100
22	MP-2	X	-.004	-.004	0	%100
23	MP-3	X	-.004	-.004	0	%100
24	MP-4	X	-.004	-.004	0	%100
25	MP-5	X	-.004	-.004	0	%100
26	MP-6	X	-.004	-.004	0	%100
27	MP-7	X	-.004	-.004	0	%100
28	MP-8	X	-.004	-.004	0	%100
29	MP-9	X	-.004	-.004	0	%100
30	MP-10	X	-.004	-.004	0	%100
31	MP-11	X	-.004	-.004	0	%100
32	MP-12	X	-.004	-.004	0	%100
33	SA-1	X	0	0	0	%100
34	SA-2	X	-.009	-.009	0	%100
35	SA-3	X	-.006	-.006	0	%100
36	SF1-HR	X	-.004	-.004	0	%100
37	SF1-TH	X	-.014	-.014	0	%100
38	SF2-HR	X	-.002	-.002	0	%100
39	SF2-TH	X	-.007	-.007	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
40	CP-1	Z	-.001	-.001	0	%100
41	CP-1U	Z	-.004	-.004	0	%100
42	CP-2	Z	-.003	-.003	0	%100
43	CP-2U	Z	-.008	-.008	0	%100
44	CP-3	Z	-.001	-.001	0	%100
45	CP-3U	Z	-.004	-.004	0	%100
46	FF-HR	Z	-.004	-.004	0	%100
47	FFTH	Z	-.016	-.016	0	%100
48	GSI-1	Z	-.016	-.016	0	%100
49	GSI-2	Z	-.008	-.008	0	%100
50	GSI-3	Z	-.008	-.008	0	%100
51	INT1-P1	Z	-.016	-.016	0	%100
52	INT1-P2	Z	-.016	-.016	0	%100
53	INT2-P1	Z	-.008	-.008	0	%100
54	INT2-P2	Z	-.008	-.008	0	%100
55	INT3-P1	Z	-.008	-.008	0	%100
56	INT3-P2	Z	-.008	-.008	0	%100
57	K1	Z	-.013	-.013	0	%100
58	K2	Z	-.013	-.013	0	%100
59	K3	Z	-.013	-.013	0	%100
60	MP-1	Z	-.007	-.007	0	%100
61	MP-2	Z	-.007	-.007	0	%100
62	MP-3	Z	-.007	-.007	0	%100
63	MP-4	Z	-.007	-.007	0	%100
64	MP-5	Z	-.007	-.007	0	%100
65	MP-6	Z	-.007	-.007	0	%100
66	MP-7	Z	-.007	-.007	0	%100
67	MP-8	Z	-.007	-.007	0	%100
68	MP-9	Z	-.007	-.007	0	%100
69	MP-10	Z	-.007	-.007	0	%100
70	MP-11	Z	-.007	-.007	0	%100
71	MP-12	Z	-.007	-.007	0	%100
72	SA-1	Z	0	0	0	%100
73	SA-2	Z	-.013	-.013	0	%100
74	SA-3	Z	-.016	-.016	0	%100
75	SF1-HR	Z	-.007	-.007	0	%100
76	SF1-TH	Z	-.03	-.03	0	%100
77	SF2-HR	Z	-.004	-.004	0	%100
78	SF2-TH	Z	-.015	-.015	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	CP-1	Z	-.003	-.003	0	%100
2	CP-1U	Z	-.008	-.008	0	%100
3	CP-2	Z	-.003	-.003	0	%100
4	CP-2U	Z	-.008	-.008	0	%100
5	CP-3	Z	0	0	0	%100
6	CP-3U	Z	0	0	0	%100
7	FF-HR	Z	0	0	0	%100
8	FFTH	Z	0	0	0	%100
9	GSI-1	Z	-.016	-.016	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	GSI-2	Z	-.016	-.016	0	%100
11	GSI-3	Z	0	0	0	%100
12	INT1-P1	Z	-.016	-.016	0	%100
13	INT1-P2	Z	-.016	-.016	0	%100
14	INT2-P1	Z	0	0	0	%100
15	INT2-P2	Z	0	0	0	%100
16	INT3-P1	Z	-.016	-.016	0	%100
17	INT3-P2	Z	-.016	-.016	0	%100
18	K1	Z	-.015	-.015	0	%100
19	K2	Z	-.015	-.015	0	%100
20	K3	Z	-.015	-.015	0	%100
21	MP-1	Z	-.009	-.009	0	%100
22	MP-2	Z	-.009	-.009	0	%100
23	MP-3	Z	-.009	-.009	0	%100
24	MP-4	Z	-.009	-.009	0	%100
25	MP-5	Z	-.009	-.009	0	%100
26	MP-6	Z	-.009	-.009	0	%100
27	MP-7	Z	-.009	-.009	0	%100
28	MP-8	Z	-.009	-.009	0	%100
29	MP-9	Z	-.009	-.009	0	%100
30	MP-10	Z	-.009	-.009	0	%100
31	MP-11	Z	-.009	-.009	0	%100
32	MP-12	Z	-.009	-.009	0	%100
33	SA-1	Z	-.009	-.009	0	%100
34	SA-2	Z	-.009	-.009	0	%100
35	SA-3	Z	-.022	-.022	0	%100
36	SF1-HR	Z	-.007	-.007	0	%100
37	SF1-TH	Z	-.03	-.03	0	%100
38	SF2-HR	Z	-.007	-.007	0	%100
39	SF2-TH	Z	-.03	-.03	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	CP-1	X	.001	.001	0	%100
2	CP-1U	X	.005	.005	0	%100
3	CP-2	X	.000651	.000651	0	%100
4	CP-2U	X	.002	.002	0	%100
5	CP-3	X	.000753	.000753	0	%100
6	CP-3U	X	.002	.002	0	%100
7	FF-HR	X	.002	.002	0	%100
8	FFTH	X	.009	.009	0	%100
9	GSI-1	X	.004	.004	0	%100
10	GSI-2	X	.008	.008	0	%100
11	GSI-3	X	.005	.005	0	%100
12	INT1-P1	X	.005	.005	0	%100
13	INT1-P2	X	.005	.005	0	%100
14	INT2-P1	X	.005	.005	0	%100
15	INT2-P2	X	.005	.005	0	%100
16	INT3-P1	X	.009	.009	0	%100
17	INT3-P2	X	.009	.009	0	%100
18	K1	X	.008	.008	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
19	K2	X	.008	.008	0	%100
20	K3	X	.008	.008	0	%100
21	MP-1	X	.004	.004	0	%100
22	MP-2	X	.004	.004	0	%100
23	MP-3	X	.004	.004	0	%100
24	MP-4	X	.004	.004	0	%100
25	MP-5	X	.004	.004	0	%100
26	MP-6	X	.004	.004	0	%100
27	MP-7	X	.004	.004	0	%100
28	MP-8	X	.004	.004	0	%100
29	MP-9	X	.004	.004	0	%100
30	MP-10	X	.004	.004	0	%100
31	MP-11	X	.004	.004	0	%100
32	MP-12	X	.004	.004	0	%100
33	SA-1	X	.009	.009	0	%100
34	SA-2	X	0	0	0	%100
35	SA-3	X	.006	.006	0	%100
36	SF1-HR	X	.002	.002	0	%100
37	SF1-TH	X	.007	.007	0	%100
38	SF2-HR	X	.004	.004	0	%100
39	SF2-TH	X	.014	.014	0	%100
40	CP-1	Z	-.003	-.003	0	%100
41	CP-1U	Z	-.008	-.008	0	%100
42	CP-2	Z	-.001	-.001	0	%100
43	CP-2U	Z	-.004	-.004	0	%100
44	CP-3	Z	-.001	-.001	0	%100
45	CP-3U	Z	-.004	-.004	0	%100
46	FF-HR	Z	-.004	-.004	0	%100
47	FFTH	Z	-.016	-.016	0	%100
48	GSI-1	Z	-.008	-.008	0	%100
49	GSI-2	Z	-.016	-.016	0	%100
50	GSI-3	Z	-.008	-.008	0	%100
51	INT1-P1	Z	-.008	-.008	0	%100
52	INT1-P2	Z	-.008	-.008	0	%100
53	INT2-P1	Z	-.008	-.008	0	%100
54	INT2-P2	Z	-.008	-.008	0	%100
55	INT3-P1	Z	-.016	-.016	0	%100
56	INT3-P2	Z	-.016	-.016	0	%100
57	K1	Z	-.013	-.013	0	%100
58	K2	Z	-.013	-.013	0	%100
59	K3	Z	-.013	-.013	0	%100
60	MP-1	Z	-.007	-.007	0	%100
61	MP-2	Z	-.007	-.007	0	%100
62	MP-3	Z	-.007	-.007	0	%100
63	MP-4	Z	-.007	-.007	0	%100
64	MP-5	Z	-.007	-.007	0	%100
65	MP-6	Z	-.007	-.007	0	%100
66	MP-7	Z	-.007	-.007	0	%100
67	MP-8	Z	-.007	-.007	0	%100
68	MP-9	Z	-.007	-.007	0	%100
69	MP-10	Z	-.007	-.007	0	%100
70	MP-11	Z	-.007	-.007	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,%]
71	MP-12	Z	-.007	-.007	0	%100
72	SA-1	Z	-.013	-.013	0	%100
73	SA-2	Z	0	0	0	%100
74	SA-3	Z	-.016	-.016	0	%100
75	SF1-HR	Z	-.004	-.004	0	%100
76	SF1-TH	Z	-.015	-.015	0	%100
77	SF2-HR	Z	-.007	-.007	0	%100
78	SF2-TH	Z	-.03	-.03	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	CP-1	X	.002	.002	0	%100
2	CP-1U	X	.006	.006	0	%100
3	CP-2	X	.000477	.000477	0	%100
4	CP-2U	X	.002	.002	0	%100
5	CP-3	X	.002	.002	0	%100
6	CP-3U	X	.005	.005	0	%100
7	FF-HR	X	.004	.004	0	%100
8	FFTH	X	.018	.018	0	%100
9	GSI-1	X	.003	.003	0	%100
10	GSI-2	X	.011	.011	0	%100
11	GSI-3	X	.01	.01	0	%100
12	INT1-P1	X	.003	.003	0	%100
13	INT1-P2	X	.003	.003	0	%100
14	INT2-P1	X	.009	.009	0	%100
15	INT2-P2	X	.009	.009	0	%100
16	INT3-P1	X	.012	.012	0	%100
17	INT3-P2	X	.012	.012	0	%100
18	K1	X	.011	.011	0	%100
19	K2	X	.011	.011	0	%100
20	K3	X	.011	.011	0	%100
21	MP-1	X	.006	.006	0	%100
22	MP-2	X	.006	.006	0	%100
23	MP-3	X	.006	.006	0	%100
24	MP-4	X	.006	.006	0	%100
25	MP-5	X	.006	.006	0	%100
26	MP-6	X	.006	.006	0	%100
27	MP-7	X	.006	.006	0	%100
28	MP-8	X	.006	.006	0	%100
29	MP-9	X	.006	.006	0	%100
30	MP-10	X	.006	.006	0	%100
31	MP-11	X	.006	.006	0	%100
32	MP-12	X	.006	.006	0	%100
33	SA-1	X	.014	.014	0	%100
34	SA-2	X	.004	.004	0	%100
35	SA-3	X	.007	.007	0	%100
36	SF1-HR	X	.002	.002	0	%100
37	SF1-TH	X	.005	.005	0	%100
38	SF2-HR	X	.006	.006	0	%100
39	SF2-TH	X	.02	.02	0	%100
40	CP-1	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
41	CP-1U	Z	-.007	-.007	0	%100
42	CP-2	Z	-.000552	-.000552	0	%100
43	CP-2U	Z	-.002	-.002	0	%100
44	CP-3	Z	-.002	-.002	0	%100
45	CP-3U	Z	-.005	-.005	0	%100
46	FF-HR	Z	-.004	-.004	0	%100
47	FFTH	Z	-.018	-.018	0	%100
48	GSI-1	Z	-.003	-.003	0	%100
49	GSI-2	Z	-.013	-.013	0	%100
50	GSI-3	Z	-.01	-.01	0	%100
51	INT1-P1	Z	-.003	-.003	0	%100
52	INT1-P2	Z	-.003	-.003	0	%100
53	INT2-P1	Z	-.009	-.009	0	%100
54	INT2-P2	Z	-.009	-.009	0	%100
55	INT3-P1	Z	-.012	-.012	0	%100
56	INT3-P2	Z	-.012	-.012	0	%100
57	K1	Z	-.011	-.011	0	%100
58	K2	Z	-.011	-.011	0	%100
59	K3	Z	-.011	-.011	0	%100
60	MP-1	Z	-.006	-.006	0	%100
61	MP-2	Z	-.006	-.006	0	%100
62	MP-3	Z	-.006	-.006	0	%100
63	MP-4	Z	-.006	-.006	0	%100
64	MP-5	Z	-.006	-.006	0	%100
65	MP-6	Z	-.006	-.006	0	%100
66	MP-7	Z	-.006	-.006	0	%100
67	MP-8	Z	-.006	-.006	0	%100
68	MP-9	Z	-.006	-.006	0	%100
69	MP-10	Z	-.006	-.006	0	%100
70	MP-11	Z	-.006	-.006	0	%100
71	MP-12	Z	-.006	-.006	0	%100
72	SA-1	Z	-.012	-.012	0	%100
73	SA-2	Z	-.003	-.003	0	%100
74	SA-3	Z	-.011	-.011	0	%100
75	SF1-HR	Z	-.002	-.002	0	%100
76	SF1-TH	Z	-.006	-.006	0	%100
77	SF2-HR	Z	-.006	-.006	0	%100
78	SF2-TH	Z	-.024	-.024	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	CP-1	X	.002	.002	0	%100
2	CP-1U	X	.007	.007	0	%100
3	CP-2	X	0	0	0	%100
4	CP-2U	X	0	0	0	%100
5	CP-3	X	.002	.002	0	%100
6	CP-3U	X	.007	.007	0	%100
7	FF-HR	X	.006	.006	0	%100
8	FFTH	X	.027	.027	0	%100
9	GSI-1	X	0	0	0	%100
10	GSI-2	X	.012	.012	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,%]
11	GSI-3	X	.015	.015	0	%100
12	INT1-P1	X	0	0	0	%100
13	INT1-P2	X	0	0	0	%100
14	INT2-P1	X	.014	.014	0	%100
15	INT2-P2	X	.014	.014	0	%100
16	INT3-P1	X	.014	.014	0	%100
17	INT3-P2	X	.014	.014	0	%100
18	K1	X	.013	.013	0	%100
19	K2	X	.013	.013	0	%100
20	K3	X	.013	.013	0	%100
21	MP-1	X	.007	.007	0	%100
22	MP-2	X	.007	.007	0	%100
23	MP-3	X	.007	.007	0	%100
24	MP-4	X	.007	.007	0	%100
25	MP-5	X	.007	.007	0	%100
26	MP-6	X	.007	.007	0	%100
27	MP-7	X	.007	.007	0	%100
28	MP-8	X	.007	.007	0	%100
29	MP-9	X	.007	.007	0	%100
30	MP-10	X	.007	.007	0	%100
31	MP-11	X	.007	.007	0	%100
32	MP-12	X	.007	.007	0	%100
33	SA-1	X	.018	.018	0	%100
34	SA-2	X	.009	.009	0	%100
35	SA-3	X	.006	.006	0	%100
36	SF1-HR	X	0	0	0	%100
37	SF1-TH	X	0	0	0	%100
38	SF2-HR	X	.006	.006	0	%100
39	SF2-TH	X	.022	.022	0	%100
40	CP-1	Z	-.001	-.001	0	%100
41	CP-1U	Z	-.004	-.004	0	%100
42	CP-2	Z	0	0	0	%100
43	CP-2U	Z	0	0	0	%100
44	CP-3	Z	-.001	-.001	0	%100
45	CP-3U	Z	-.004	-.004	0	%100
46	FF-HR	Z	-.004	-.004	0	%100
47	FFTH	Z	-.016	-.016	0	%100
48	GSI-1	Z	0	0	0	%100
49	GSI-2	Z	-.008	-.008	0	%100
50	GSI-3	Z	-.008	-.008	0	%100
51	INT1-P1	Z	0	0	0	%100
52	INT1-P2	Z	0	0	0	%100
53	INT2-P1	Z	-.008	-.008	0	%100
54	INT2-P2	Z	-.008	-.008	0	%100
55	INT3-P1	Z	-.008	-.008	0	%100
56	INT3-P2	Z	-.008	-.008	0	%100
57	K1	Z	-.008	-.008	0	%100
58	K2	Z	-.008	-.008	0	%100
59	K3	Z	-.008	-.008	0	%100
60	MP-1	Z	-.004	-.004	0	%100
61	MP-2	Z	-.004	-.004	0	%100
62	MP-3	Z	-.004	-.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
63	MP-4	Z	-.004	-.004	0	%100
64	MP-5	Z	-.004	-.004	0	%100
65	MP-6	Z	-.004	-.004	0	%100
66	MP-7	Z	-.004	-.004	0	%100
67	MP-8	Z	-.004	-.004	0	%100
68	MP-9	Z	-.004	-.004	0	%100
69	MP-10	Z	-.004	-.004	0	%100
70	MP-11	Z	-.004	-.004	0	%100
71	MP-12	Z	-.004	-.004	0	%100
72	SA-1	Z	-.009	-.009	0	%100
73	SA-2	Z	-.004	-.004	0	%100
74	SA-3	Z	-.005	-.005	0	%100
75	SF1-HR	Z	0	0	0	%100
76	SF1-TH	Z	0	0	0	%100
77	SF2-HR	Z	-.004	-.004	0	%100
78	SF2-TH	Z	-.015	-.015	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	CP-1	X	.001	.001	0	%100
2	CP-1U	X	.005	.005	0	%100
3	CP-2	X	.001	.001	0	%100
4	CP-2U	X	.005	.005	0	%100
5	CP-3	X	.003	.003	0	%100
6	CP-3U	X	.01	.01	0	%100
7	FF-HR	X	.009	.009	0	%100
8	FFTH	X	.036	.036	0	%100
9	GSI-1	X	.008	.008	0	%100
10	GSI-2	X	.008	.008	0	%100
11	GSI-3	X	.02	.02	0	%100
12	INT1-P1	X	.009	.009	0	%100
13	INT1-P2	X	.009	.009	0	%100
14	INT2-P1	X	.018	.018	0	%100
15	INT2-P2	X	.018	.018	0	%100
16	INT3-P1	X	.009	.009	0	%100
17	INT3-P2	X	.009	.009	0	%100
18	K1	X	.015	.015	0	%100
19	K2	X	.015	.015	0	%100
20	K3	X	.015	.015	0	%100
21	MP-1	X	.009	.009	0	%100
22	MP-2	X	.009	.009	0	%100
23	MP-3	X	.009	.009	0	%100
24	MP-4	X	.009	.009	0	%100
25	MP-5	X	.009	.009	0	%100
26	MP-6	X	.009	.009	0	%100
27	MP-7	X	.009	.009	0	%100
28	MP-8	X	.009	.009	0	%100
29	MP-9	X	.009	.009	0	%100
30	MP-10	X	.009	.009	0	%100
31	MP-11	X	.009	.009	0	%100
32	MP-12	X	.009	.009	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,%]
33	SA-1	X	.018	.018	0	%100
34	SA-2	X	.018	.018	0	%100
35	SA-3	X	0	0	0	%100
36	SF1-HR	X	.004	.004	0	%100
37	SF1-TH	X	.014	.014	0	%100
38	SF2-HR	X	.004	.004	0	%100
39	SF2-TH	X	.014	.014	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	CP-1	X	0	0	0	%100
2	CP-1U	X	0	0	0	%100
3	CP-2	X	.002	.002	0	%100
4	CP-2U	X	.007	.007	0	%100
5	CP-3	X	.002	.002	0	%100
6	CP-3U	X	.007	.007	0	%100
7	FF-HR	X	.006	.006	0	%100
8	FFTH	X	.027	.027	0	%100
9	GSI-1	X	.012	.012	0	%100
10	GSI-2	X	0	0	0	%100
11	GSI-3	X	.015	.015	0	%100
12	INT1-P1	X	.014	.014	0	%100
13	INT1-P2	X	.014	.014	0	%100
14	INT2-P1	X	.014	.014	0	%100
15	INT2-P2	X	.014	.014	0	%100
16	INT3-P1	X	0	0	0	%100
17	INT3-P2	X	0	0	0	%100
18	K1	X	.013	.013	0	%100
19	K2	X	.013	.013	0	%100
20	K3	X	.013	.013	0	%100
21	MP-1	X	.007	.007	0	%100
22	MP-2	X	.007	.007	0	%100
23	MP-3	X	.007	.007	0	%100
24	MP-4	X	.007	.007	0	%100
25	MP-5	X	.007	.007	0	%100
26	MP-6	X	.007	.007	0	%100
27	MP-7	X	.007	.007	0	%100
28	MP-8	X	.007	.007	0	%100
29	MP-9	X	.007	.007	0	%100
30	MP-10	X	.007	.007	0	%100
31	MP-11	X	.007	.007	0	%100
32	MP-12	X	.007	.007	0	%100
33	SA-1	X	.009	.009	0	%100
34	SA-2	X	.018	.018	0	%100
35	SA-3	X	.006	.006	0	%100
36	SF1-HR	X	.006	.006	0	%100
37	SF1-TH	X	.022	.022	0	%100
38	SF2-HR	X	0	0	0	%100
39	SF2-TH	X	0	0	0	%100
40	CP-1	Z	0	0	0	%100
41	CP-1U	Z	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
42	CP-2	Z	.001	.001	0	%100
43	CP-2U	Z	.004	.004	0	%100
44	CP-3	Z	.001	.001	0	%100
45	CP-3U	Z	.004	.004	0	%100
46	FF-HR	Z	.004	.004	0	%100
47	FFTH	Z	.016	.016	0	%100
48	GSI-1	Z	.008	.008	0	%100
49	GSI-2	Z	0	0	0	%100
50	GSI-3	Z	.008	.008	0	%100
51	INT1-P1	Z	.008	.008	0	%100
52	INT1-P2	Z	.008	.008	0	%100
53	INT2-P1	Z	.008	.008	0	%100
54	INT2-P2	Z	.008	.008	0	%100
55	INT3-P1	Z	0	0	0	%100
56	INT3-P2	Z	0	0	0	%100
57	K1	Z	.008	.008	0	%100
58	K2	Z	.008	.008	0	%100
59	K3	Z	.008	.008	0	%100
60	MP-1	Z	.004	.004	0	%100
61	MP-2	Z	.004	.004	0	%100
62	MP-3	Z	.004	.004	0	%100
63	MP-4	Z	.004	.004	0	%100
64	MP-5	Z	.004	.004	0	%100
65	MP-6	Z	.004	.004	0	%100
66	MP-7	Z	.004	.004	0	%100
67	MP-8	Z	.004	.004	0	%100
68	MP-9	Z	.004	.004	0	%100
69	MP-10	Z	.004	.004	0	%100
70	MP-11	Z	.004	.004	0	%100
71	MP-12	Z	.004	.004	0	%100
72	SA-1	Z	.004	.004	0	%100
73	SA-2	Z	.009	.009	0	%100
74	SA-3	Z	.005	.005	0	%100
75	SF1-HR	Z	.004	.004	0	%100
76	SF1-TH	Z	.015	.015	0	%100
77	SF2-HR	Z	0	0	0	%100
78	SF2-TH	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	.000477	.000477	0	%100
2	CP-1U	X	.002	.002	0	%100
3	CP-2	X	.002	.002	0	%100
4	CP-2U	X	.006	.006	0	%100
5	CP-3	X	.002	.002	0	%100
6	CP-3U	X	.005	.005	0	%100
7	FF-HR	X	.004	.004	0	%100
8	FFTH	X	.018	.018	0	%100
9	GSI-1	X	.011	.011	0	%100
10	GSI-2	X	.003	.003	0	%100
11	GSI-3	X	.01	.01	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,%]
12	INT1-P1	X	.012	.012	0	%100
13	INT1-P2	X	.012	.012	0	%100
14	INT2-P1	X	.009	.009	0	%100
15	INT2-P2	X	.009	.009	0	%100
16	INT3-P1	X	.003	.003	0	%100
17	INT3-P2	X	.003	.003	0	%100
18	K1	X	.011	.011	0	%100
19	K2	X	.011	.011	0	%100
20	K3	X	.011	.011	0	%100
21	MP-1	X	.006	.006	0	%100
22	MP-2	X	.006	.006	0	%100
23	MP-3	X	.006	.006	0	%100
24	MP-4	X	.006	.006	0	%100
25	MP-5	X	.006	.006	0	%100
26	MP-6	X	.006	.006	0	%100
27	MP-7	X	.006	.006	0	%100
28	MP-8	X	.006	.006	0	%100
29	MP-9	X	.006	.006	0	%100
30	MP-10	X	.006	.006	0	%100
31	MP-11	X	.006	.006	0	%100
32	MP-12	X	.006	.006	0	%100
33	SA-1	X	.004	.004	0	%100
34	SA-2	X	.014	.014	0	%100
35	SA-3	X	.007	.007	0	%100
36	SF1-HR	X	.006	.006	0	%100
37	SF1-TH	X	.02	.02	0	%100
38	SF2-HR	X	.002	.002	0	%100
39	SF2-TH	X	.005	.005	0	%100
40	CP-1	Z	.000552	.000552	0	%100
41	CP-1U	Z	.002	.002	0	%100
42	CP-2	Z	.002	.002	0	%100
43	CP-2U	Z	.007	.007	0	%100
44	CP-3	Z	.002	.002	0	%100
45	CP-3U	Z	.005	.005	0	%100
46	FF-HR	Z	.004	.004	0	%100
47	FFTH	Z	.018	.018	0	%100
48	GSI-1	Z	.013	.013	0	%100
49	GSI-2	Z	.003	.003	0	%100
50	GSI-3	Z	.01	.01	0	%100
51	INT1-P1	Z	.012	.012	0	%100
52	INT1-P2	Z	.012	.012	0	%100
53	INT2-P1	Z	.009	.009	0	%100
54	INT2-P2	Z	.009	.009	0	%100
55	INT3-P1	Z	.003	.003	0	%100
56	INT3-P2	Z	.003	.003	0	%100
57	K1	Z	.011	.011	0	%100
58	K2	Z	.011	.011	0	%100
59	K3	Z	.011	.011	0	%100
60	MP-1	Z	.006	.006	0	%100
61	MP-2	Z	.006	.006	0	%100
62	MP-3	Z	.006	.006	0	%100
63	MP-4	Z	.006	.006	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

Sept 24, 2021
9:29 AM
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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,%]
64	MP-5	Z	.006	.006	0	%100
65	MP-6	Z	.006	.006	0	%100
66	MP-7	Z	.006	.006	0	%100
67	MP-8	Z	.006	.006	0	%100
68	MP-9	Z	.006	.006	0	%100
69	MP-10	Z	.006	.006	0	%100
70	MP-11	Z	.006	.006	0	%100
71	MP-12	Z	.006	.006	0	%100
72	SA-1	Z	.003	.003	0	%100
73	SA-2	Z	.012	.012	0	%100
74	SA-3	Z	.011	.011	0	%100
75	SF1-HR	Z	.006	.006	0	%100
76	SF1-TH	Z	.024	.024	0	%100
77	SF2-HR	Z	.002	.002	0	%100
78	SF2-TH	Z	.006	.006	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	CP-1	X	.000651	.000651	0	%100
2	CP-1U	X	.002	.002	0	%100
3	CP-2	X	.001	.001	0	%100
4	CP-2U	X	.005	.005	0	%100
5	CP-3	X	.000753	.000753	0	%100
6	CP-3U	X	.002	.002	0	%100
7	FF-HR	X	.002	.002	0	%100
8	FFTH	X	.009	.009	0	%100
9	GSI-1	X	.008	.008	0	%100
10	GSI-2	X	.004	.004	0	%100
11	GSI-3	X	.005	.005	0	%100
12	INT1-P1	X	.009	.009	0	%100
13	INT1-P2	X	.009	.009	0	%100
14	INT2-P1	X	.005	.005	0	%100
15	INT2-P2	X	.005	.005	0	%100
16	INT3-P1	X	.005	.005	0	%100
17	INT3-P2	X	.005	.005	0	%100
18	K1	X	.008	.008	0	%100
19	K2	X	.008	.008	0	%100
20	K3	X	.008	.008	0	%100
21	MP-1	X	.004	.004	0	%100
22	MP-2	X	.004	.004	0	%100
23	MP-3	X	.004	.004	0	%100
24	MP-4	X	.004	.004	0	%100
25	MP-5	X	.004	.004	0	%100
26	MP-6	X	.004	.004	0	%100
27	MP-7	X	.004	.004	0	%100
28	MP-8	X	.004	.004	0	%100
29	MP-9	X	.004	.004	0	%100
30	MP-10	X	.004	.004	0	%100
31	MP-11	X	.004	.004	0	%100
32	MP-12	X	.004	.004	0	%100
33	SA-1	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	SA-2	X	.009	.009	0	%100
35	SA-3	X	.006	.006	0	%100
36	SF1-HR	X	.004	.004	0	%100
37	SF1-TH	X	.014	.014	0	%100
38	SF2-HR	X	.002	.002	0	%100
39	SF2-TH	X	.007	.007	0	%100
40	CP-1	Z	.001	.001	0	%100
41	CP-1U	Z	.004	.004	0	%100
42	CP-2	Z	.003	.003	0	%100
43	CP-2U	Z	.008	.008	0	%100
44	CP-3	Z	.001	.001	0	%100
45	CP-3U	Z	.004	.004	0	%100
46	FF-HR	Z	.004	.004	0	%100
47	FFTH	Z	.016	.016	0	%100
48	GSI-1	Z	.016	.016	0	%100
49	GSI-2	Z	.008	.008	0	%100
50	GSI-3	Z	.008	.008	0	%100
51	INT1-P1	Z	.016	.016	0	%100
52	INT1-P2	Z	.016	.016	0	%100
53	INT2-P1	Z	.008	.008	0	%100
54	INT2-P2	Z	.008	.008	0	%100
55	INT3-P1	Z	.008	.008	0	%100
56	INT3-P2	Z	.008	.008	0	%100
57	K1	Z	.013	.013	0	%100
58	K2	Z	.013	.013	0	%100
59	K3	Z	.013	.013	0	%100
60	MP-1	Z	.007	.007	0	%100
61	MP-2	Z	.007	.007	0	%100
62	MP-3	Z	.007	.007	0	%100
63	MP-4	Z	.007	.007	0	%100
64	MP-5	Z	.007	.007	0	%100
65	MP-6	Z	.007	.007	0	%100
66	MP-7	Z	.007	.007	0	%100
67	MP-8	Z	.007	.007	0	%100
68	MP-9	Z	.007	.007	0	%100
69	MP-10	Z	.007	.007	0	%100
70	MP-11	Z	.007	.007	0	%100
71	MP-12	Z	.007	.007	0	%100
72	SA-1	Z	0	0	0	%100
73	SA-2	Z	.013	.013	0	%100
74	SA-3	Z	.016	.016	0	%100
75	SF1-HR	Z	.007	.007	0	%100
76	SF1-TH	Z	.03	.03	0	%100
77	SF2-HR	Z	.004	.004	0	%100
78	SF2-TH	Z	.015	.015	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	CP-1	Z	.003	.003	0	%100
2	CP-1U	Z	.008	.008	0	%100
3	CP-2	Z	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
4	CP-2U	Z	.008	.008	0	%100
5	CP-3	Z	0	0	0	%100
6	CP-3U	Z	0	0	0	%100
7	FF-HR	Z	0	0	0	%100
8	FFTH	Z	0	0	0	%100
9	GSI-1	Z	.016	.016	0	%100
10	GSI-2	Z	.016	.016	0	%100
11	GSI-3	Z	0	0	0	%100
12	INT1-P1	Z	.016	.016	0	%100
13	INT1-P2	Z	.016	.016	0	%100
14	INT2-P1	Z	0	0	0	%100
15	INT2-P2	Z	0	0	0	%100
16	INT3-P1	Z	.016	.016	0	%100
17	INT3-P2	Z	.016	.016	0	%100
18	K1	Z	.015	.015	0	%100
19	K2	Z	.015	.015	0	%100
20	K3	Z	.015	.015	0	%100
21	MP-1	Z	.009	.009	0	%100
22	MP-2	Z	.009	.009	0	%100
23	MP-3	Z	.009	.009	0	%100
24	MP-4	Z	.009	.009	0	%100
25	MP-5	Z	.009	.009	0	%100
26	MP-6	Z	.009	.009	0	%100
27	MP-7	Z	.009	.009	0	%100
28	MP-8	Z	.009	.009	0	%100
29	MP-9	Z	.009	.009	0	%100
30	MP-10	Z	.009	.009	0	%100
31	MP-11	Z	.009	.009	0	%100
32	MP-12	Z	.009	.009	0	%100
33	SA-1	Z	.009	.009	0	%100
34	SA-2	Z	.009	.009	0	%100
35	SA-3	Z	.022	.022	0	%100
36	SF1-HR	Z	.007	.007	0	%100
37	SF1-TH	Z	.03	.03	0	%100
38	SF2-HR	Z	.007	.007	0	%100
39	SF2-TH	Z	.03	.03	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	CP-1	X	-.001	-.001	0	%100
2	CP-1U	X	-.005	-.005	0	%100
3	CP-2	X	-.000651	-.000651	0	%100
4	CP-2U	X	-.002	-.002	0	%100
5	CP-3	X	-.000753	-.000753	0	%100
6	CP-3U	X	-.002	-.002	0	%100
7	FF-HR	X	-.002	-.002	0	%100
8	FFTH	X	-.009	-.009	0	%100
9	GSI-1	X	-.004	-.004	0	%100
10	GSI-2	X	-.008	-.008	0	%100
11	GSI-3	X	-.005	-.005	0	%100
12	INT1-P1	X	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	INT1-P2	X	-.005	-.005	0	%100
14	INT2-P1	X	-.005	-.005	0	%100
15	INT2-P2	X	-.005	-.005	0	%100
16	INT3-P1	X	-.009	-.009	0	%100
17	INT3-P2	X	-.009	-.009	0	%100
18	K1	X	-.008	-.008	0	%100
19	K2	X	-.008	-.008	0	%100
20	K3	X	-.008	-.008	0	%100
21	MP-1	X	-.004	-.004	0	%100
22	MP-2	X	-.004	-.004	0	%100
23	MP-3	X	-.004	-.004	0	%100
24	MP-4	X	-.004	-.004	0	%100
25	MP-5	X	-.004	-.004	0	%100
26	MP-6	X	-.004	-.004	0	%100
27	MP-7	X	-.004	-.004	0	%100
28	MP-8	X	-.004	-.004	0	%100
29	MP-9	X	-.004	-.004	0	%100
30	MP-10	X	-.004	-.004	0	%100
31	MP-11	X	-.004	-.004	0	%100
32	MP-12	X	-.004	-.004	0	%100
33	SA-1	X	-.009	-.009	0	%100
34	SA-2	X	0	0	0	%100
35	SA-3	X	-.006	-.006	0	%100
36	SF1-HR	X	-.002	-.002	0	%100
37	SF1-TH	X	-.007	-.007	0	%100
38	SF2-HR	X	-.004	-.004	0	%100
39	SF2-TH	X	-.014	-.014	0	%100
40	CP-1	Z	.003	.003	0	%100
41	CP-1U	Z	.008	.008	0	%100
42	CP-2	Z	.001	.001	0	%100
43	CP-2U	Z	.004	.004	0	%100
44	CP-3	Z	.001	.001	0	%100
45	CP-3U	Z	.004	.004	0	%100
46	FF-HR	Z	.004	.004	0	%100
47	FFTH	Z	.016	.016	0	%100
48	GSI-1	Z	.008	.008	0	%100
49	GSI-2	Z	.016	.016	0	%100
50	GSI-3	Z	.008	.008	0	%100
51	INT1-P1	Z	.008	.008	0	%100
52	INT1-P2	Z	.008	.008	0	%100
53	INT2-P1	Z	.008	.008	0	%100
54	INT2-P2	Z	.008	.008	0	%100
55	INT3-P1	Z	.016	.016	0	%100
56	INT3-P2	Z	.016	.016	0	%100
57	K1	Z	.013	.013	0	%100
58	K2	Z	.013	.013	0	%100
59	K3	Z	.013	.013	0	%100
60	MP-1	Z	.007	.007	0	%100
61	MP-2	Z	.007	.007	0	%100
62	MP-3	Z	.007	.007	0	%100
63	MP-4	Z	.007	.007	0	%100
64	MP-5	Z	.007	.007	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
65	MP-6	Z	.007	.007	0	%100
66	MP-7	Z	.007	.007	0	%100
67	MP-8	Z	.007	.007	0	%100
68	MP-9	Z	.007	.007	0	%100
69	MP-10	Z	.007	.007	0	%100
70	MP-11	Z	.007	.007	0	%100
71	MP-12	Z	.007	.007	0	%100
72	SA-1	Z	.013	.013	0	%100
73	SA-2	Z	0	0	0	%100
74	SA-3	Z	.016	.016	0	%100
75	SF1-HR	Z	.004	.004	0	%100
76	SF1-TH	Z	.015	.015	0	%100
77	SF2-HR	Z	.007	.007	0	%100
78	SF2-TH	Z	.03	.03	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	CP-1	X	-.002	-.002	0	%100
2	CP-1U	X	-.006	-.006	0	%100
3	CP-2	X	-.000477	-.000477	0	%100
4	CP-2U	X	-.002	-.002	0	%100
5	CP-3	X	-.002	-.002	0	%100
6	CP-3U	X	-.005	-.005	0	%100
7	FF-HR	X	-.004	-.004	0	%100
8	FFTH	X	-.018	-.018	0	%100
9	GSI-1	X	-.003	-.003	0	%100
10	GSI-2	X	-.011	-.011	0	%100
11	GSI-3	X	-.01	-.01	0	%100
12	INT1-P1	X	-.003	-.003	0	%100
13	INT1-P2	X	-.003	-.003	0	%100
14	INT2-P1	X	-.009	-.009	0	%100
15	INT2-P2	X	-.009	-.009	0	%100
16	INT3-P1	X	-.012	-.012	0	%100
17	INT3-P2	X	-.012	-.012	0	%100
18	K1	X	-.011	-.011	0	%100
19	K2	X	-.011	-.011	0	%100
20	K3	X	-.011	-.011	0	%100
21	MP-1	X	-.006	-.006	0	%100
22	MP-2	X	-.006	-.006	0	%100
23	MP-3	X	-.006	-.006	0	%100
24	MP-4	X	-.006	-.006	0	%100
25	MP-5	X	-.006	-.006	0	%100
26	MP-6	X	-.006	-.006	0	%100
27	MP-7	X	-.006	-.006	0	%100
28	MP-8	X	-.006	-.006	0	%100
29	MP-9	X	-.006	-.006	0	%100
30	MP-10	X	-.006	-.006	0	%100
31	MP-11	X	-.006	-.006	0	%100
32	MP-12	X	-.006	-.006	0	%100
33	SA-1	X	-.014	-.014	0	%100
34	SA-2	X	-.004	-.004	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,%]
35	SA-3	X	-.007	-.007	0	%100
36	SF1-HR	X	-.002	-.002	0	%100
37	SF1-TH	X	-.005	-.005	0	%100
38	SF2-HR	X	-.006	-.006	0	%100
39	SF2-TH	X	-.02	-.02	0	%100
40	CP-1	Z	.002	.002	0	%100
41	CP-1U	Z	.007	.007	0	%100
42	CP-2	Z	.000552	.000552	0	%100
43	CP-2U	Z	.002	.002	0	%100
44	CP-3	Z	.002	.002	0	%100
45	CP-3U	Z	.005	.005	0	%100
46	FF-HR	Z	.004	.004	0	%100
47	FFTH	Z	.018	.018	0	%100
48	GSI-1	Z	.003	.003	0	%100
49	GSI-2	Z	.013	.013	0	%100
50	GSI-3	Z	.01	.01	0	%100
51	INT1-P1	Z	.003	.003	0	%100
52	INT1-P2	Z	.003	.003	0	%100
53	INT2-P1	Z	.009	.009	0	%100
54	INT2-P2	Z	.009	.009	0	%100
55	INT3-P1	Z	.012	.012	0	%100
56	INT3-P2	Z	.012	.012	0	%100
57	K1	Z	.011	.011	0	%100
58	K2	Z	.011	.011	0	%100
59	K3	Z	.011	.011	0	%100
60	MP-1	Z	.006	.006	0	%100
61	MP-2	Z	.006	.006	0	%100
62	MP-3	Z	.006	.006	0	%100
63	MP-4	Z	.006	.006	0	%100
64	MP-5	Z	.006	.006	0	%100
65	MP-6	Z	.006	.006	0	%100
66	MP-7	Z	.006	.006	0	%100
67	MP-8	Z	.006	.006	0	%100
68	MP-9	Z	.006	.006	0	%100
69	MP-10	Z	.006	.006	0	%100
70	MP-11	Z	.006	.006	0	%100
71	MP-12	Z	.006	.006	0	%100
72	SA-1	Z	.012	.012	0	%100
73	SA-2	Z	.003	.003	0	%100
74	SA-3	Z	.011	.011	0	%100
75	SF1-HR	Z	.002	.002	0	%100
76	SF1-TH	Z	.006	.006	0	%100
77	SF2-HR	Z	.006	.006	0	%100
78	SF2-TH	Z	.024	.024	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	CP-1	X	-.002	-.002	0	%100
2	CP-1U	X	-.007	-.007	0	%100
3	CP-2	X	0	0	0	%100
4	CP-2U	X	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
5	CP-3	X	-.002	-.002	0	%100
6	CP-3U	X	-.007	-.007	0	%100
7	FF-HR	X	-.006	-.006	0	%100
8	FFTH	X	-.027	-.027	0	%100
9	GSI-1	X	0	0	0	%100
10	GSI-2	X	-.012	-.012	0	%100
11	GSI-3	X	-.015	-.015	0	%100
12	INT1-P1	X	0	0	0	%100
13	INT1-P2	X	0	0	0	%100
14	INT2-P1	X	-.014	-.014	0	%100
15	INT2-P2	X	-.014	-.014	0	%100
16	INT3-P1	X	-.014	-.014	0	%100
17	INT3-P2	X	-.014	-.014	0	%100
18	K1	X	-.013	-.013	0	%100
19	K2	X	-.013	-.013	0	%100
20	K3	X	-.013	-.013	0	%100
21	MP-1	X	-.007	-.007	0	%100
22	MP-2	X	-.007	-.007	0	%100
23	MP-3	X	-.007	-.007	0	%100
24	MP-4	X	-.007	-.007	0	%100
25	MP-5	X	-.007	-.007	0	%100
26	MP-6	X	-.007	-.007	0	%100
27	MP-7	X	-.007	-.007	0	%100
28	MP-8	X	-.007	-.007	0	%100
29	MP-9	X	-.007	-.007	0	%100
30	MP-10	X	-.007	-.007	0	%100
31	MP-11	X	-.007	-.007	0	%100
32	MP-12	X	-.007	-.007	0	%100
33	SA-1	X	-.018	-.018	0	%100
34	SA-2	X	-.009	-.009	0	%100
35	SA-3	X	-.006	-.006	0	%100
36	SF1-HR	X	0	0	0	%100
37	SF1-TH	X	0	0	0	%100
38	SF2-HR	X	-.006	-.006	0	%100
39	SF2-TH	X	-.022	-.022	0	%100
40	CP-1	Z	.001	.001	0	%100
41	CP-1U	Z	.004	.004	0	%100
42	CP-2	Z	0	0	0	%100
43	CP-2U	Z	0	0	0	%100
44	CP-3	Z	.001	.001	0	%100
45	CP-3U	Z	.004	.004	0	%100
46	FF-HR	Z	.004	.004	0	%100
47	FFTH	Z	.016	.016	0	%100
48	GSI-1	Z	0	0	0	%100
49	GSI-2	Z	.008	.008	0	%100
50	GSI-3	Z	.008	.008	0	%100
51	INT1-P1	Z	0	0	0	%100
52	INT1-P2	Z	0	0	0	%100
53	INT2-P1	Z	.008	.008	0	%100
54	INT2-P2	Z	.008	.008	0	%100
55	INT3-P1	Z	.008	.008	0	%100
56	INT3-P2	Z	.008	.008	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,%]
57	K1	Z	.008	.008	0	%100
58	K2	Z	.008	.008	0	%100
59	K3	Z	.008	.008	0	%100
60	MP-1	Z	.004	.004	0	%100
61	MP-2	Z	.004	.004	0	%100
62	MP-3	Z	.004	.004	0	%100
63	MP-4	Z	.004	.004	0	%100
64	MP-5	Z	.004	.004	0	%100
65	MP-6	Z	.004	.004	0	%100
66	MP-7	Z	.004	.004	0	%100
67	MP-8	Z	.004	.004	0	%100
68	MP-9	Z	.004	.004	0	%100
69	MP-10	Z	.004	.004	0	%100
70	MP-11	Z	.004	.004	0	%100
71	MP-12	Z	.004	.004	0	%100
72	SA-1	Z	.009	.009	0	%100
73	SA-2	Z	.004	.004	0	%100
74	SA-3	Z	.005	.005	0	%100
75	SF1-HR	Z	0	0	0	%100
76	SF1-TH	Z	0	0	0	%100
77	SF2-HR	Z	.004	.004	0	%100
78	SF2-TH	Z	.015	.015	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	CP-1	Y	-.008	-.008	0	%100
2	CP-1U	Y	-.006	-.006	0	%100
3	CP-2	Y	-.008	-.008	0	%100
4	CP-2U	Y	-.006	-.006	0	%100
5	CP-3	Y	-.008	-.008	0	%100
6	CP-3U	Y	-.006	-.006	0	%100
7	FF-HR	Y	-.005	-.005	0	%100
8	FFTH	Y	-.009	-.009	0	%100
9	GSI-1	Y	-.008	-.008	0	%100
10	GSI-2	Y	-.008	-.008	0	%100
11	GSI-3	Y	-.008	-.008	0	%100
12	INT1-P1	Y	-.011	-.011	0	%100
13	INT1-P2	Y	-.011	-.011	0	%100
14	INT2-P1	Y	-.011	-.011	0	%100
15	INT2-P2	Y	-.011	-.011	0	%100
16	INT3-P1	Y	-.011	-.011	0	%100
17	INT3-P2	Y	-.011	-.011	0	%100
18	K1	Y	-.005	-.005	0	%100
19	K2	Y	-.005	-.005	0	%100
20	K3	Y	-.005	-.005	0	%100
21	MP-1	Y	-.005	-.005	0	%100
22	MP-2	Y	-.005	-.005	0	%100
23	MP-3	Y	-.005	-.005	0	%100
24	MP-4	Y	-.005	-.005	0	%100
25	MP-5	Y	-.005	-.005	0	%100
26	MP-6	Y	-.005	-.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
27	MP-7	Y	-.005	-.005	0	%100
28	MP-8	Y	-.005	-.005	0	%100
29	MP-9	Y	-.005	-.005	0	%100
30	MP-10	Y	-.005	-.005	0	%100
31	MP-11	Y	-.005	-.005	0	%100
32	MP-12	Y	-.005	-.005	0	%100
33	SA-1	Y	-.008	-.008	0	%100
34	SA-2	Y	-.008	-.008	0	%100
35	SA-3	Y	-.008	-.008	0	%100
36	SF1-HR	Y	-.005	-.005	0	%100
37	SF1-TH	Y	-.009	-.009	0	%100
38	SF2-HR	Y	-.005	-.005	0	%100
39	SF2-TH	Y	-.009	-.009	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	CP-1	X	-.002	-.002	0	%100
2	CP-1U	X	-.004	-.004	0	%100
3	CP-2	X	-.002	-.002	0	%100
4	CP-2U	X	-.004	-.004	0	%100
5	CP-3	X	-.002	-.002	0	%100
6	CP-3U	X	-.004	-.004	0	%100
7	FF-HR	X	-.003	-.003	0	%100
8	FFTH	X	-.008	-.008	0	%100
9	GSI-1	X	-.004	-.004	0	%100
10	GSI-2	X	-.004	-.004	0	%100
11	GSI-3	X	-.005	-.005	0	%100
12	INT1-P1	X	-.01	-.01	0	%100
13	INT1-P2	X	-.01	-.01	0	%100
14	INT2-P1	X	-.01	-.01	0	%100
15	INT2-P2	X	-.01	-.01	0	%100
16	INT3-P1	X	-.01	-.01	0	%100
17	INT3-P2	X	-.01	-.01	0	%100
18	K1	X	-.004	-.004	0	%100
19	K2	X	-.004	-.004	0	%100
20	K3	X	-.004	-.004	0	%100
21	MP-1	X	-.003	-.003	0	%100
22	MP-2	X	-.002	-.002	0	%100
23	MP-3	X	-.003	-.003	0	%100
24	MP-4	X	-.003	-.003	0	%100
25	MP-5	X	-.003	-.003	0	%100
26	MP-6	X	-.002	-.002	0	%100
27	MP-7	X	-.003	-.003	0	%100
28	MP-8	X	-.003	-.003	0	%100
29	MP-9	X	-.003	-.003	0	%100
30	MP-10	X	-.002	-.002	0	%100
31	MP-11	X	-.003	-.003	0	%100
32	MP-12	X	-.003	-.003	0	%100
33	SA-1	X	-.005	-.005	0	%100
34	SA-2	X	-.005	-.005	0	%100
35	SA-3	X	-.004	-.004	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,%]
36	SF1-HR	X	-.003	-.003	0	%100
37	SF1-TH	X	-.007	-.007	0	%100
38	SF2-HR	X	-.003	-.003	0	%100
39	SF2-TH	X	-.007	-.007	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	CP-1	X	0	0	0	%100
2	CP-1U	X	0	0	0	%100
3	CP-2	X	-.002	-.002	0	%100
4	CP-2U	X	-.003	-.003	0	%100
5	CP-3	X	-.002	-.002	0	%100
6	CP-3U	X	-.003	-.003	0	%100
7	FF-HR	X	-.002	-.002	0	%100
8	FFTH	X	-.006	-.006	0	%100
9	GSI-1	X	-.003	-.003	0	%100
10	GSI-2	X	0	0	0	%100
11	GSI-3	X	-.004	-.004	0	%100
12	INT1-P1	X	-.008	-.008	0	%100
13	INT1-P2	X	-.008	-.008	0	%100
14	INT2-P1	X	-.008	-.008	0	%100
15	INT2-P2	X	-.008	-.008	0	%100
16	INT3-P1	X	0	0	0	%100
17	INT3-P2	X	0	0	0	%100
18	K1	X	-.003	-.003	0	%100
19	K2	X	-.003	-.003	0	%100
20	K3	X	-.003	-.003	0	%100
21	MP-1	X	-.002	-.002	0	%100
22	MP-2	X	-.002	-.002	0	%100
23	MP-3	X	-.002	-.002	0	%100
24	MP-4	X	-.002	-.002	0	%100
25	MP-5	X	-.002	-.002	0	%100
26	MP-6	X	-.002	-.002	0	%100
27	MP-7	X	-.002	-.002	0	%100
28	MP-8	X	-.002	-.002	0	%100
29	MP-9	X	-.002	-.002	0	%100
30	MP-10	X	-.002	-.002	0	%100
31	MP-11	X	-.002	-.002	0	%100
32	MP-12	X	-.002	-.002	0	%100
33	SA-1	X	-.002	-.002	0	%100
34	SA-2	X	-.005	-.005	0	%100
35	SA-3	X	-.002	-.002	0	%100
36	SF1-HR	X	-.002	-.002	0	%100
37	SF1-TH	X	-.005	-.005	0	%100
38	SF2-HR	X	0	0	0	%100
39	SF2-TH	X	0	0	0	%100
40	CP-1	Z	0	0	0	%100
41	CP-1U	Z	0	0	0	%100
42	CP-2	Z	-.001	-.001	0	%100
43	CP-2U	Z	-.002	-.002	0	%100
44	CP-3	Z	-.000925	-.000925	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
45	CP-3U	Z	-.001	-.001	0	%100
46	FF-HR	Z	-.001	-.001	0	%100
47	FFTH	Z	-.003	-.003	0	%100
48	GSI-1	Z	-.002	-.002	0	%100
49	GSI-2	Z	0	0	0	%100
50	GSI-3	Z	-.002	-.002	0	%100
51	INT1-P1	Z	-.004	-.004	0	%100
52	INT1-P2	Z	-.004	-.004	0	%100
53	INT2-P1	Z	-.004	-.004	0	%100
54	INT2-P2	Z	-.004	-.004	0	%100
55	INT3-P1	Z	0	0	0	%100
56	INT3-P2	Z	0	0	0	%100
57	K1	Z	-.002	-.002	0	%100
58	K2	Z	-.002	-.002	0	%100
59	K3	Z	-.002	-.002	0	%100
60	MP-1	Z	-.001	-.001	0	%100
61	MP-2	Z	-.001	-.001	0	%100
62	MP-3	Z	-.001	-.001	0	%100
63	MP-4	Z	-.001	-.001	0	%100
64	MP-5	Z	-.001	-.001	0	%100
65	MP-6	Z	-.001	-.001	0	%100
66	MP-7	Z	-.001	-.001	0	%100
67	MP-8	Z	-.001	-.001	0	%100
68	MP-9	Z	-.001	-.001	0	%100
69	MP-10	Z	-.001	-.001	0	%100
70	MP-11	Z	-.001	-.001	0	%100
71	MP-12	Z	-.001	-.001	0	%100
72	SA-1	Z	-.001	-.001	0	%100
73	SA-2	Z	-.002	-.002	0	%100
74	SA-3	Z	-.001	-.001	0	%100
75	SF1-HR	Z	-.001	-.001	0	%100
76	SF1-TH	Z	-.003	-.003	0	%100
77	SF2-HR	Z	0	0	0	%100
78	SF2-TH	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	-.000393	-.000393	0	%100
2	CP-1U	X	-.00067	-.00067	0	%100
3	CP-2	X	-.001	-.001	0	%100
4	CP-2U	X	-.003	-.003	0	%100
5	CP-3	X	-.001	-.001	0	%100
6	CP-3U	X	-.002	-.002	0	%100
7	FF-HR	X	-.002	-.002	0	%100
8	FFTH	X	-.004	-.004	0	%100
9	GSI-1	X	-.003	-.003	0	%100
10	GSI-2	X	-.0008	-.0008	0	%100
11	GSI-3	X	-.003	-.003	0	%100
12	INT1-P1	X	-.007	-.007	0	%100
13	INT1-P2	X	-.007	-.007	0	%100
14	INT2-P1	X	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	INT2-P2	X	-.005	-.005	0	%100
16	INT3-P1	X	-.002	-.002	0	%100
17	INT3-P2	X	-.002	-.002	0	%100
18	K1	X	-.003	-.003	0	%100
19	K2	X	-.003	-.003	0	%100
20	K3	X	-.003	-.003	0	%100
21	MP-1	X	-.002	-.002	0	%100
22	MP-2	X	-.002	-.002	0	%100
23	MP-3	X	-.002	-.002	0	%100
24	MP-4	X	-.002	-.002	0	%100
25	MP-5	X	-.002	-.002	0	%100
26	MP-6	X	-.002	-.002	0	%100
27	MP-7	X	-.002	-.002	0	%100
28	MP-8	X	-.002	-.002	0	%100
29	MP-9	X	-.002	-.002	0	%100
30	MP-10	X	-.002	-.002	0	%100
31	MP-11	X	-.002	-.002	0	%100
32	MP-12	X	-.002	-.002	0	%100
33	SA-1	X	-.000955	-.000955	0	%100
34	SA-2	X	-.004	-.004	0	%100
35	SA-3	X	-.002	-.002	0	%100
36	SF1-HR	X	-.002	-.002	0	%100
37	SF1-TH	X	-.005	-.005	0	%100
38	SF2-HR	X	-.000464	-.000464	0	%100
39	SF2-TH	X	-.001	-.001	0	%100
40	CP-1	Z	-.000423	-.000423	0	%100
41	CP-1U	Z	-.000673	-.000673	0	%100
42	CP-2	Z	-.002	-.002	0	%100
43	CP-2U	Z	-.003	-.003	0	%100
44	CP-3	Z	-.001	-.001	0	%100
45	CP-3U	Z	-.002	-.002	0	%100
46	FF-HR	Z	-.001	-.001	0	%100
47	FFTH	Z	-.004	-.004	0	%100
48	GSI-1	Z	-.003	-.003	0	%100
49	GSI-2	Z	-.00089	-.00089	0	%100
50	GSI-3	Z	-.002	-.002	0	%100
51	INT1-P1	Z	-.007	-.007	0	%100
52	INT1-P2	Z	-.007	-.007	0	%100
53	INT2-P1	Z	-.005	-.005	0	%100
54	INT2-P2	Z	-.005	-.005	0	%100
55	INT3-P1	Z	-.002	-.002	0	%100
56	INT3-P2	Z	-.002	-.002	0	%100
57	K1	Z	-.003	-.003	0	%100
58	K2	Z	-.003	-.003	0	%100
59	K3	Z	-.003	-.003	0	%100
60	MP-1	Z	-.002	-.002	0	%100
61	MP-2	Z	-.002	-.002	0	%100
62	MP-3	Z	-.002	-.002	0	%100
63	MP-4	Z	-.002	-.002	0	%100
64	MP-5	Z	-.002	-.002	0	%100
65	MP-6	Z	-.002	-.002	0	%100
66	MP-7	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	MP-8	Z	-.002	-.002	0	%100
68	MP-9	Z	-.002	-.002	0	%100
69	MP-10	Z	-.002	-.002	0	%100
70	MP-11	Z	-.002	-.002	0	%100
71	MP-12	Z	-.002	-.002	0	%100
72	SA-1	Z	-.00086	-.00086	0	%100
73	SA-2	Z	-.003	-.003	0	%100
74	SA-3	Z	-.003	-.003	0	%100
75	SF1-HR	Z	-.002	-.002	0	%100
76	SF1-TH	Z	-.005	-.005	0	%100
77	SF2-HR	Z	-.000553	-.000553	0	%100
78	SF2-TH	Z	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	-.000537	-.000537	0	%100
2	CP-1U	X	-.000915	-.000915	0	%100
3	CP-2	X	-.001	-.001	0	%100
4	CP-2U	X	-.002	-.002	0	%100
5	CP-3	X	-.000593	-.000593	0	%100
6	CP-3U	X	-.00093	-.00093	0	%100
7	FF-HR	X	-.000756	-.000756	0	%100
8	FFTH	X	-.002	-.002	0	%100
9	GSI-1	X	-.002	-.002	0	%100
10	GSI-2	X	-.001	-.001	0	%100
11	GSI-3	X	-.001	-.001	0	%100
12	INT1-P1	X	-.005	-.005	0	%100
13	INT1-P2	X	-.005	-.005	0	%100
14	INT2-P1	X	-.003	-.003	0	%100
15	INT2-P2	X	-.003	-.003	0	%100
16	INT3-P1	X	-.003	-.003	0	%100
17	INT3-P2	X	-.003	-.003	0	%100
18	K1	X	-.002	-.002	0	%100
19	K2	X	-.002	-.002	0	%100
20	K3	X	-.002	-.002	0	%100
21	MP-1	X	-.001	-.001	0	%100
22	MP-2	X	-.001	-.001	0	%100
23	MP-3	X	-.001	-.001	0	%100
24	MP-4	X	-.001	-.001	0	%100
25	MP-5	X	-.001	-.001	0	%100
26	MP-6	X	-.001	-.001	0	%100
27	MP-7	X	-.001	-.001	0	%100
28	MP-8	X	-.001	-.001	0	%100
29	MP-9	X	-.001	-.001	0	%100
30	MP-10	X	-.001	-.001	0	%100
31	MP-11	X	-.001	-.001	0	%100
32	MP-12	X	-.001	-.001	0	%100
33	SA-1	X	0	0	0	%100
34	SA-2	X	-.002	-.002	0	%100
35	SA-3	X	-.002	-.002	0	%100
36	SF1-HR	X	-.001	-.001	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,%]
37	SF1-TH	X	-.003	-.003	0	%100
38	SF2-HR	X	-.000634	-.000634	0	%100
39	SF2-TH	X	-.002	-.002	0	%100
40	CP-1	Z	-.001	-.001	0	%100
41	CP-1U	Z	-.002	-.002	0	%100
42	CP-2	Z	-.002	-.002	0	%100
43	CP-2U	Z	-.003	-.003	0	%100
44	CP-3	Z	-.000925	-.000925	0	%100
45	CP-3U	Z	-.001	-.001	0	%100
46	FF-HR	Z	-.001	-.001	0	%100
47	FFTH	Z	-.003	-.003	0	%100
48	GSI-1	Z	-.004	-.004	0	%100
49	GSI-2	Z	-.002	-.002	0	%100
50	GSI-3	Z	-.002	-.002	0	%100
51	INT1-P1	Z	-.009	-.009	0	%100
52	INT1-P2	Z	-.009	-.009	0	%100
53	INT2-P1	Z	-.004	-.004	0	%100
54	INT2-P2	Z	-.004	-.004	0	%100
55	INT3-P1	Z	-.004	-.004	0	%100
56	INT3-P2	Z	-.004	-.004	0	%100
57	K1	Z	-.004	-.004	0	%100
58	K2	Z	-.004	-.004	0	%100
59	K3	Z	-.004	-.004	0	%100
60	MP-1	Z	-.003	-.003	0	%100
61	MP-2	Z	-.002	-.002	0	%100
62	MP-3	Z	-.003	-.003	0	%100
63	MP-4	Z	-.003	-.003	0	%100
64	MP-5	Z	-.003	-.003	0	%100
65	MP-6	Z	-.002	-.002	0	%100
66	MP-7	Z	-.003	-.003	0	%100
67	MP-8	Z	-.003	-.003	0	%100
68	MP-9	Z	-.003	-.003	0	%100
69	MP-10	Z	-.002	-.002	0	%100
70	MP-11	Z	-.003	-.003	0	%100
71	MP-12	Z	-.003	-.003	0	%100
72	SA-1	Z	0	0	0	%100
73	SA-2	Z	-.004	-.004	0	%100
74	SA-3	Z	-.004	-.004	0	%100
75	SF1-HR	Z	-.003	-.003	0	%100
76	SF1-TH	Z	-.007	-.007	0	%100
77	SF2-HR	Z	-.001	-.001	0	%100
78	SF2-TH	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	Z	-.002	-.002	0	%100
2	CP-1U	Z	-.003	-.003	0	%100
3	CP-2	Z	-.002	-.002	0	%100
4	CP-2U	Z	-.003	-.003	0	%100
5	CP-3	Z	0	0	0	%100
6	CP-3U	Z	0	0	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
7	FF-HR	Z	0	0	0	%100
8	FFTH	Z	0	0	0	%100
9	GSI-1	Z	-.004	-.004	0	%100
10	GSI-2	Z	-.004	-.004	0	%100
11	GSI-3	Z	0	0	0	%100
12	INT1-P1	Z	-.009	-.009	0	%100
13	INT1-P2	Z	-.009	-.009	0	%100
14	INT2-P1	Z	0	0	0	%100
15	INT2-P2	Z	0	0	0	%100
16	INT3-P1	Z	-.009	-.009	0	%100
17	INT3-P2	Z	-.009	-.009	0	%100
18	K1	Z	-.004	-.004	0	%100
19	K2	Z	-.004	-.004	0	%100
20	K3	Z	-.004	-.004	0	%100
21	MP-1	Z	-.003	-.003	0	%100
22	MP-2	Z	-.003	-.003	0	%100
23	MP-3	Z	-.003	-.003	0	%100
24	MP-4	Z	-.003	-.003	0	%100
25	MP-5	Z	-.003	-.003	0	%100
26	MP-6	Z	-.003	-.003	0	%100
27	MP-7	Z	-.003	-.003	0	%100
28	MP-8	Z	-.003	-.003	0	%100
29	MP-9	Z	-.003	-.003	0	%100
30	MP-10	Z	-.003	-.003	0	%100
31	MP-11	Z	-.003	-.003	0	%100
32	MP-12	Z	-.003	-.003	0	%100
33	SA-1	Z	-.002	-.002	0	%100
34	SA-2	Z	-.002	-.002	0	%100
35	SA-3	Z	-.005	-.005	0	%100
36	SF1-HR	Z	-.003	-.003	0	%100
37	SF1-TH	Z	-.007	-.007	0	%100
38	SF2-HR	Z	-.003	-.003	0	%100
39	SF2-TH	Z	-.007	-.007	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	.001	.001	0	%100
2	CP-1U	X	.002	.002	0	%100
3	CP-2	X	.000537	.000537	0	%100
4	CP-2U	X	.000915	.000915	0	%100
5	CP-3	X	.000593	.000593	0	%100
6	CP-3U	X	.00093	.00093	0	%100
7	FF-HR	X	.000756	.000756	0	%100
8	FFTH	X	.002	.002	0	%100
9	GSI-1	X	.001	.001	0	%100
10	GSI-2	X	.002	.002	0	%100
11	GSI-3	X	.001	.001	0	%100
12	INT1-P1	X	.003	.003	0	%100
13	INT1-P2	X	.003	.003	0	%100
14	INT2-P1	X	.003	.003	0	%100
15	INT2-P2	X	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	INT3-P1	X	.005	.005	0	%100
17	INT3-P2	X	.005	.005	0	%100
18	K1	X	.002	.002	0	%100
19	K2	X	.002	.002	0	%100
20	K3	X	.002	.002	0	%100
21	MP-1	X	.001	.001	0	%100
22	MP-2	X	.001	.001	0	%100
23	MP-3	X	.001	.001	0	%100
24	MP-4	X	.001	.001	0	%100
25	MP-5	X	.001	.001	0	%100
26	MP-6	X	.001	.001	0	%100
27	MP-7	X	.001	.001	0	%100
28	MP-8	X	.001	.001	0	%100
29	MP-9	X	.001	.001	0	%100
30	MP-10	X	.001	.001	0	%100
31	MP-11	X	.001	.001	0	%100
32	MP-12	X	.001	.001	0	%100
33	SA-1	X	.002	.002	0	%100
34	SA-2	X	0	0	0	%100
35	SA-3	X	.002	.002	0	%100
36	SF1-HR	X	.000634	.000634	0	%100
37	SF1-TH	X	.002	.002	0	%100
38	SF2-HR	X	.001	.001	0	%100
39	SF2-TH	X	.003	.003	0	%100
40	CP-1	Z	-.002	-.002	0	%100
41	CP-1U	Z	-.003	-.003	0	%100
42	CP-2	Z	-.001	-.001	0	%100
43	CP-2U	Z	-.002	-.002	0	%100
44	CP-3	Z	-.000925	-.000925	0	%100
45	CP-3U	Z	-.001	-.001	0	%100
46	FF-HR	Z	-.001	-.001	0	%100
47	FFTH	Z	-.003	-.003	0	%100
48	GSI-1	Z	-.002	-.002	0	%100
49	GSI-2	Z	-.004	-.004	0	%100
50	GSI-3	Z	-.002	-.002	0	%100
51	INT1-P1	Z	-.004	-.004	0	%100
52	INT1-P2	Z	-.004	-.004	0	%100
53	INT2-P1	Z	-.004	-.004	0	%100
54	INT2-P2	Z	-.004	-.004	0	%100
55	INT3-P1	Z	-.009	-.009	0	%100
56	INT3-P2	Z	-.009	-.009	0	%100
57	K1	Z	-.004	-.004	0	%100
58	K2	Z	-.004	-.004	0	%100
59	K3	Z	-.004	-.004	0	%100
60	MP-1	Z	-.003	-.003	0	%100
61	MP-2	Z	-.002	-.002	0	%100
62	MP-3	Z	-.003	-.003	0	%100
63	MP-4	Z	-.003	-.003	0	%100
64	MP-5	Z	-.003	-.003	0	%100
65	MP-6	Z	-.002	-.002	0	%100
66	MP-7	Z	-.003	-.003	0	%100
67	MP-8	Z	-.003	-.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
68	MP-9	Z	-.003	-.003	0	%100
69	MP-10	Z	-.002	-.002	0	%100
70	MP-11	Z	-.003	-.003	0	%100
71	MP-12	Z	-.003	-.003	0	%100
72	SA-1	Z	-.004	-.004	0	%100
73	SA-2	Z	0	0	0	%100
74	SA-3	Z	-.004	-.004	0	%100
75	SF1-HR	Z	-.001	-.001	0	%100
76	SF1-TH	Z	-.003	-.003	0	%100
77	SF2-HR	Z	-.003	-.003	0	%100
78	SF2-TH	Z	-.007	-.007	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	CP-1	X	.001	.001	0	%100
2	CP-1U	X	.003	.003	0	%100
3	CP-2	X	.000393	.000393	0	%100
4	CP-2U	X	.00067	.00067	0	%100
5	CP-3	X	.001	.001	0	%100
6	CP-3U	X	.002	.002	0	%100
7	FF-HR	X	.002	.002	0	%100
8	FFTH	X	.004	.004	0	%100
9	GSI-1	X	.0008	.0008	0	%100
10	GSI-2	X	.003	.003	0	%100
11	GSI-3	X	.003	.003	0	%100
12	INT1-P1	X	.002	.002	0	%100
13	INT1-P2	X	.002	.002	0	%100
14	INT2-P1	X	.005	.005	0	%100
15	INT2-P2	X	.005	.005	0	%100
16	INT3-P1	X	.007	.007	0	%100
17	INT3-P2	X	.007	.007	0	%100
18	K1	X	.003	.003	0	%100
19	K2	X	.003	.003	0	%100
20	K3	X	.003	.003	0	%100
21	MP-1	X	.002	.002	0	%100
22	MP-2	X	.002	.002	0	%100
23	MP-3	X	.002	.002	0	%100
24	MP-4	X	.002	.002	0	%100
25	MP-5	X	.002	.002	0	%100
26	MP-6	X	.002	.002	0	%100
27	MP-7	X	.002	.002	0	%100
28	MP-8	X	.002	.002	0	%100
29	MP-9	X	.002	.002	0	%100
30	MP-10	X	.002	.002	0	%100
31	MP-11	X	.002	.002	0	%100
32	MP-12	X	.002	.002	0	%100
33	SA-1	X	.004	.004	0	%100
34	SA-2	X	.000955	.000955	0	%100
35	SA-3	X	.002	.002	0	%100
36	SF1-HR	X	.000464	.000464	0	%100
37	SF1-TH	X	.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,%]
38	SF2-HR	X	.002	.002	0	%100
39	SF2-TH	X	.005	.005	0	%100
40	CP-1	Z	-.002	-.002	0	%100
41	CP-1U	Z	-.003	-.003	0	%100
42	CP-2	Z	-.000423	-.000423	0	%100
43	CP-2U	Z	-.000673	-.000673	0	%100
44	CP-3	Z	-.001	-.001	0	%100
45	CP-3U	Z	-.002	-.002	0	%100
46	FF-HR	Z	-.001	-.001	0	%100
47	FFTH	Z	-.004	-.004	0	%100
48	GSI-1	Z	-.00089	-.00089	0	%100
49	GSI-2	Z	-.003	-.003	0	%100
50	GSI-3	Z	-.002	-.002	0	%100
51	INT1-P1	Z	-.002	-.002	0	%100
52	INT1-P2	Z	-.002	-.002	0	%100
53	INT2-P1	Z	-.005	-.005	0	%100
54	INT2-P2	Z	-.005	-.005	0	%100
55	INT3-P1	Z	-.007	-.007	0	%100
56	INT3-P2	Z	-.007	-.007	0	%100
57	K1	Z	-.003	-.003	0	%100
58	K2	Z	-.003	-.003	0	%100
59	K3	Z	-.003	-.003	0	%100
60	MP-1	Z	-.002	-.002	0	%100
61	MP-2	Z	-.002	-.002	0	%100
62	MP-3	Z	-.002	-.002	0	%100
63	MP-4	Z	-.002	-.002	0	%100
64	MP-5	Z	-.002	-.002	0	%100
65	MP-6	Z	-.002	-.002	0	%100
66	MP-7	Z	-.002	-.002	0	%100
67	MP-8	Z	-.002	-.002	0	%100
68	MP-9	Z	-.002	-.002	0	%100
69	MP-10	Z	-.002	-.002	0	%100
70	MP-11	Z	-.002	-.002	0	%100
71	MP-12	Z	-.002	-.002	0	%100
72	SA-1	Z	-.003	-.003	0	%100
73	SA-2	Z	-.00086	-.00086	0	%100
74	SA-3	Z	-.003	-.003	0	%100
75	SF1-HR	Z	-.000553	-.000553	0	%100
76	SF1-TH	Z	-.001	-.001	0	%100
77	SF2-HR	Z	-.002	-.002	0	%100
78	SF2-TH	Z	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	.002	.002	0	%100
2	CP-1U	X	.003	.003	0	%100
3	CP-2	X	0	0	0	%100
4	CP-2U	X	0	0	0	%100
5	CP-3	X	.002	.002	0	%100
6	CP-3U	X	.003	.003	0	%100
7	FF-HR	X	.002	.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
8	FFTH	X	.006	.006	0	%100
9	GSI-1	X	0	0	0	%100
10	GSI-2	X	.003	.003	0	%100
11	GSI-3	X	.004	.004	0	%100
12	INT1-P1	X	0	0	0	%100
13	INT1-P2	X	0	0	0	%100
14	INT2-P1	X	.008	.008	0	%100
15	INT2-P2	X	.008	.008	0	%100
16	INT3-P1	X	.008	.008	0	%100
17	INT3-P2	X	.008	.008	0	%100
18	K1	X	.003	.003	0	%100
19	K2	X	.003	.003	0	%100
20	K3	X	.003	.003	0	%100
21	MP-1	X	.002	.002	0	%100
22	MP-2	X	.002	.002	0	%100
23	MP-3	X	.002	.002	0	%100
24	MP-4	X	.002	.002	0	%100
25	MP-5	X	.002	.002	0	%100
26	MP-6	X	.002	.002	0	%100
27	MP-7	X	.002	.002	0	%100
28	MP-8	X	.002	.002	0	%100
29	MP-9	X	.002	.002	0	%100
30	MP-10	X	.002	.002	0	%100
31	MP-11	X	.002	.002	0	%100
32	MP-12	X	.002	.002	0	%100
33	SA-1	X	.005	.005	0	%100
34	SA-2	X	.002	.002	0	%100
35	SA-3	X	.002	.002	0	%100
36	SF1-HR	X	0	0	0	%100
37	SF1-TH	X	0	0	0	%100
38	SF2-HR	X	.002	.002	0	%100
39	SF2-TH	X	.005	.005	0	%100
40	CP-1	Z	-.001	-.001	0	%100
41	CP-1U	Z	-.002	-.002	0	%100
42	CP-2	Z	0	0	0	%100
43	CP-2U	Z	0	0	0	%100
44	CP-3	Z	-.000925	-.000925	0	%100
45	CP-3U	Z	-.001	-.001	0	%100
46	FF-HR	Z	-.001	-.001	0	%100
47	FFTH	Z	-.003	-.003	0	%100
48	GSI-1	Z	0	0	0	%100
49	GSI-2	Z	-.002	-.002	0	%100
50	GSI-3	Z	-.002	-.002	0	%100
51	INT1-P1	Z	0	0	0	%100
52	INT1-P2	Z	0	0	0	%100
53	INT2-P1	Z	-.004	-.004	0	%100
54	INT2-P2	Z	-.004	-.004	0	%100
55	INT3-P1	Z	-.004	-.004	0	%100
56	INT3-P2	Z	-.004	-.004	0	%100
57	K1	Z	-.002	-.002	0	%100
58	K2	Z	-.002	-.002	0	%100
59	K3	Z	-.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,%]
60	MP-1	Z	-.001	-.001	0	%100
61	MP-2	Z	-.001	-.001	0	%100
62	MP-3	Z	-.001	-.001	0	%100
63	MP-4	Z	-.001	-.001	0	%100
64	MP-5	Z	-.001	-.001	0	%100
65	MP-6	Z	-.001	-.001	0	%100
66	MP-7	Z	-.001	-.001	0	%100
67	MP-8	Z	-.001	-.001	0	%100
68	MP-9	Z	-.001	-.001	0	%100
69	MP-10	Z	-.001	-.001	0	%100
70	MP-11	Z	-.001	-.001	0	%100
71	MP-12	Z	-.001	-.001	0	%100
72	SA-1	Z	-.002	-.002	0	%100
73	SA-2	Z	-.001	-.001	0	%100
74	SA-3	Z	-.001	-.001	0	%100
75	SF1-HR	Z	0	0	0	%100
76	SF1-TH	Z	0	0	0	%100
77	SF2-HR	Z	-.001	-.001	0	%100
78	SF2-TH	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	.002	.002	0	%100
2	CP-1U	X	.004	.004	0	%100
3	CP-2	X	.002	.002	0	%100
4	CP-2U	X	.004	.004	0	%100
5	CP-3	X	.002	.002	0	%100
6	CP-3U	X	.004	.004	0	%100
7	FF-HR	X	.003	.003	0	%100
8	FFTH	X	.008	.008	0	%100
9	GSI-1	X	.004	.004	0	%100
10	GSI-2	X	.004	.004	0	%100
11	GSI-3	X	.005	.005	0	%100
12	INT1-P1	X	.01	.01	0	%100
13	INT1-P2	X	.01	.01	0	%100
14	INT2-P1	X	.01	.01	0	%100
15	INT2-P2	X	.01	.01	0	%100
16	INT3-P1	X	.01	.01	0	%100
17	INT3-P2	X	.01	.01	0	%100
18	K1	X	.004	.004	0	%100
19	K2	X	.004	.004	0	%100
20	K3	X	.004	.004	0	%100
21	MP-1	X	.003	.003	0	%100
22	MP-2	X	.002	.002	0	%100
23	MP-3	X	.003	.003	0	%100
24	MP-4	X	.003	.003	0	%100
25	MP-5	X	.003	.003	0	%100
26	MP-6	X	.002	.002	0	%100
27	MP-7	X	.003	.003	0	%100
28	MP-8	X	.003	.003	0	%100
29	MP-9	X	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
30	MP-10	X	.002	.002	0	%100
31	MP-11	X	.003	.003	0	%100
32	MP-12	X	.003	.003	0	%100
33	SA-1	X	.005	.005	0	%100
34	SA-2	X	.005	.005	0	%100
35	SA-3	X	.004	.004	0	%100
36	SF1-HR	X	.003	.003	0	%100
37	SF1-TH	X	.007	.007	0	%100
38	SF2-HR	X	.003	.003	0	%100
39	SF2-TH	X	.007	.007	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	CP-1	X	0	0	0	%100
2	CP-1U	X	0	0	0	%100
3	CP-2	X	.002	.002	0	%100
4	CP-2U	X	.003	.003	0	%100
5	CP-3	X	.002	.002	0	%100
6	CP-3U	X	.003	.003	0	%100
7	FF-HR	X	.002	.002	0	%100
8	FFTH	X	.006	.006	0	%100
9	GSI-1	X	.003	.003	0	%100
10	GSI-2	X	0	0	0	%100
11	GSI-3	X	.004	.004	0	%100
12	INT1-P1	X	.008	.008	0	%100
13	INT1-P2	X	.008	.008	0	%100
14	INT2-P1	X	.008	.008	0	%100
15	INT2-P2	X	.008	.008	0	%100
16	INT3-P1	X	0	0	0	%100
17	INT3-P2	X	0	0	0	%100
18	K1	X	.003	.003	0	%100
19	K2	X	.003	.003	0	%100
20	K3	X	.003	.003	0	%100
21	MP-1	X	.002	.002	0	%100
22	MP-2	X	.002	.002	0	%100
23	MP-3	X	.002	.002	0	%100
24	MP-4	X	.002	.002	0	%100
25	MP-5	X	.002	.002	0	%100
26	MP-6	X	.002	.002	0	%100
27	MP-7	X	.002	.002	0	%100
28	MP-8	X	.002	.002	0	%100
29	MP-9	X	.002	.002	0	%100
30	MP-10	X	.002	.002	0	%100
31	MP-11	X	.002	.002	0	%100
32	MP-12	X	.002	.002	0	%100
33	SA-1	X	.002	.002	0	%100
34	SA-2	X	.005	.005	0	%100
35	SA-3	X	.002	.002	0	%100
36	SF1-HR	X	.002	.002	0	%100
37	SF1-TH	X	.005	.005	0	%100
38	SF2-HR	X	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,%]
39	SF2-TH	X	0	0	0	%100
40	CP-1	Z	0	0	0	%100
41	CP-1U	Z	0	0	0	%100
42	CP-2	Z	.001	.001	0	%100
43	CP-2U	Z	.002	.002	0	%100
44	CP-3	Z	.000925	.000925	0	%100
45	CP-3U	Z	.001	.001	0	%100
46	FF-HR	Z	.001	.001	0	%100
47	FFTH	Z	.003	.003	0	%100
48	GSI-1	Z	.002	.002	0	%100
49	GSI-2	Z	0	0	0	%100
50	GSI-3	Z	.002	.002	0	%100
51	INT1-P1	Z	.004	.004	0	%100
52	INT1-P2	Z	.004	.004	0	%100
53	INT2-P1	Z	.004	.004	0	%100
54	INT2-P2	Z	.004	.004	0	%100
55	INT3-P1	Z	0	0	0	%100
56	INT3-P2	Z	0	0	0	%100
57	K1	Z	.002	.002	0	%100
58	K2	Z	.002	.002	0	%100
59	K3	Z	.002	.002	0	%100
60	MP-1	Z	.001	.001	0	%100
61	MP-2	Z	.001	.001	0	%100
62	MP-3	Z	.001	.001	0	%100
63	MP-4	Z	.001	.001	0	%100
64	MP-5	Z	.001	.001	0	%100
65	MP-6	Z	.001	.001	0	%100
66	MP-7	Z	.001	.001	0	%100
67	MP-8	Z	.001	.001	0	%100
68	MP-9	Z	.001	.001	0	%100
69	MP-10	Z	.001	.001	0	%100
70	MP-11	Z	.001	.001	0	%100
71	MP-12	Z	.001	.001	0	%100
72	SA-1	Z	.001	.001	0	%100
73	SA-2	Z	.002	.002	0	%100
74	SA-3	Z	.001	.001	0	%100
75	SF1-HR	Z	.001	.001	0	%100
76	SF1-TH	Z	.003	.003	0	%100
77	SF2-HR	Z	0	0	0	%100
78	SF2-TH	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	.000393	.000393	0	%100
2	CP-1U	X	.00067	.00067	0	%100
3	CP-2	X	.001	.001	0	%100
4	CP-2U	X	.003	.003	0	%100
5	CP-3	X	.001	.001	0	%100
6	CP-3U	X	.002	.002	0	%100
7	FF-HR	X	.002	.002	0	%100
8	FFTH	X	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
9	GSI-1	X	.003	.003	0	%100
10	GSI-2	X	.0008	.0008	0	%100
11	GSI-3	X	.003	.003	0	%100
12	INT1-P1	X	.007	.007	0	%100
13	INT1-P2	X	.007	.007	0	%100
14	INT2-P1	X	.005	.005	0	%100
15	INT2-P2	X	.005	.005	0	%100
16	INT3-P1	X	.002	.002	0	%100
17	INT3-P2	X	.002	.002	0	%100
18	K1	X	.003	.003	0	%100
19	K2	X	.003	.003	0	%100
20	K3	X	.003	.003	0	%100
21	MP-1	X	.002	.002	0	%100
22	MP-2	X	.002	.002	0	%100
23	MP-3	X	.002	.002	0	%100
24	MP-4	X	.002	.002	0	%100
25	MP-5	X	.002	.002	0	%100
26	MP-6	X	.002	.002	0	%100
27	MP-7	X	.002	.002	0	%100
28	MP-8	X	.002	.002	0	%100
29	MP-9	X	.002	.002	0	%100
30	MP-10	X	.002	.002	0	%100
31	MP-11	X	.002	.002	0	%100
32	MP-12	X	.002	.002	0	%100
33	SA-1	X	.000955	.000955	0	%100
34	SA-2	X	.004	.004	0	%100
35	SA-3	X	.002	.002	0	%100
36	SF1-HR	X	.002	.002	0	%100
37	SF1-TH	X	.005	.005	0	%100
38	SF2-HR	X	.000464	.000464	0	%100
39	SF2-TH	X	.001	.001	0	%100
40	CP-1	Z	.000423	.000423	0	%100
41	CP-1U	Z	.000673	.000673	0	%100
42	CP-2	Z	.002	.002	0	%100
43	CP-2U	Z	.003	.003	0	%100
44	CP-3	Z	.001	.001	0	%100
45	CP-3U	Z	.002	.002	0	%100
46	FF-HR	Z	.001	.001	0	%100
47	FFTH	Z	.004	.004	0	%100
48	GSI-1	Z	.003	.003	0	%100
49	GSI-2	Z	.00089	.00089	0	%100
50	GSI-3	Z	.002	.002	0	%100
51	INT1-P1	Z	.007	.007	0	%100
52	INT1-P2	Z	.007	.007	0	%100
53	INT2-P1	Z	.005	.005	0	%100
54	INT2-P2	Z	.005	.005	0	%100
55	INT3-P1	Z	.002	.002	0	%100
56	INT3-P2	Z	.002	.002	0	%100
57	K1	Z	.003	.003	0	%100
58	K2	Z	.003	.003	0	%100
59	K3	Z	.003	.003	0	%100
60	MP-1	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,%]
61	MP-2	Z	.002	.002	0	%100
62	MP-3	Z	.002	.002	0	%100
63	MP-4	Z	.002	.002	0	%100
64	MP-5	Z	.002	.002	0	%100
65	MP-6	Z	.002	.002	0	%100
66	MP-7	Z	.002	.002	0	%100
67	MP-8	Z	.002	.002	0	%100
68	MP-9	Z	.002	.002	0	%100
69	MP-10	Z	.002	.002	0	%100
70	MP-11	Z	.002	.002	0	%100
71	MP-12	Z	.002	.002	0	%100
72	SA-1	Z	.00086	.00086	0	%100
73	SA-2	Z	.003	.003	0	%100
74	SA-3	Z	.003	.003	0	%100
75	SF1-HR	Z	.002	.002	0	%100
76	SF1-TH	Z	.005	.005	0	%100
77	SF2-HR	Z	.000553	.000553	0	%100
78	SF2-TH	Z	.001	.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	.000537	.000537	0	%100
2	CP-1U	X	.000915	.000915	0	%100
3	CP-2	X	.001	.001	0	%100
4	CP-2U	X	.002	.002	0	%100
5	CP-3	X	.000593	.000593	0	%100
6	CP-3U	X	.00093	.00093	0	%100
7	FF-HR	X	.000756	.000756	0	%100
8	FFTH	X	.002	.002	0	%100
9	GSI-1	X	.002	.002	0	%100
10	GSI-2	X	.001	.001	0	%100
11	GSI-3	X	.001	.001	0	%100
12	INT1-P1	X	.005	.005	0	%100
13	INT1-P2	X	.005	.005	0	%100
14	INT2-P1	X	.003	.003	0	%100
15	INT2-P2	X	.003	.003	0	%100
16	INT3-P1	X	.003	.003	0	%100
17	INT3-P2	X	.003	.003	0	%100
18	K1	X	.002	.002	0	%100
19	K2	X	.002	.002	0	%100
20	K3	X	.002	.002	0	%100
21	MP-1	X	.001	.001	0	%100
22	MP-2	X	.001	.001	0	%100
23	MP-3	X	.001	.001	0	%100
24	MP-4	X	.001	.001	0	%100
25	MP-5	X	.001	.001	0	%100
26	MP-6	X	.001	.001	0	%100
27	MP-7	X	.001	.001	0	%100
28	MP-8	X	.001	.001	0	%100
29	MP-9	X	.001	.001	0	%100
30	MP-10	X	.001	.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
31	MP-11	X	.001	.001	0	%100
32	MP-12	X	.001	.001	0	%100
33	SA-1	X	0	0	0	%100
34	SA-2	X	.002	.002	0	%100
35	SA-3	X	.002	.002	0	%100
36	SF1-HR	X	.001	.001	0	%100
37	SF1-TH	X	.003	.003	0	%100
38	SF2-HR	X	.000634	.000634	0	%100
39	SF2-TH	X	.002	.002	0	%100
40	CP-1	Z	.001	.001	0	%100
41	CP-1U	Z	.002	.002	0	%100
42	CP-2	Z	.002	.002	0	%100
43	CP-2U	Z	.003	.003	0	%100
44	CP-3	Z	.000925	.000925	0	%100
45	CP-3U	Z	.001	.001	0	%100
46	FF-HR	Z	.001	.001	0	%100
47	FFTH	Z	.003	.003	0	%100
48	GSI-1	Z	.004	.004	0	%100
49	GSI-2	Z	.002	.002	0	%100
50	GSI-3	Z	.002	.002	0	%100
51	INT1-P1	Z	.009	.009	0	%100
52	INT1-P2	Z	.009	.009	0	%100
53	INT2-P1	Z	.004	.004	0	%100
54	INT2-P2	Z	.004	.004	0	%100
55	INT3-P1	Z	.004	.004	0	%100
56	INT3-P2	Z	.004	.004	0	%100
57	K1	Z	.004	.004	0	%100
58	K2	Z	.004	.004	0	%100
59	K3	Z	.004	.004	0	%100
60	MP-1	Z	.003	.003	0	%100
61	MP-2	Z	.002	.002	0	%100
62	MP-3	Z	.003	.003	0	%100
63	MP-4	Z	.003	.003	0	%100
64	MP-5	Z	.003	.003	0	%100
65	MP-6	Z	.002	.002	0	%100
66	MP-7	Z	.003	.003	0	%100
67	MP-8	Z	.003	.003	0	%100
68	MP-9	Z	.003	.003	0	%100
69	MP-10	Z	.002	.002	0	%100
70	MP-11	Z	.003	.003	0	%100
71	MP-12	Z	.003	.003	0	%100
72	SA-1	Z	0	0	0	%100
73	SA-2	Z	.004	.004	0	%100
74	SA-3	Z	.004	.004	0	%100
75	SF1-HR	Z	.003	.003	0	%100
76	SF1-TH	Z	.007	.007	0	%100
77	SF2-HR	Z	.001	.001	0	%100
78	SF2-TH	Z	.003	.003	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	Z	.002	.002	0	%100
2	CP-1U	Z	.003	.003	0	%100
3	CP-2	Z	.002	.002	0	%100
4	CP-2U	Z	.003	.003	0	%100
5	CP-3	Z	0	0	0	%100
6	CP-3U	Z	0	0	0	%100
7	FF-HR	Z	0	0	0	%100
8	FFTH	Z	0	0	0	%100
9	GSI-1	Z	.004	.004	0	%100
10	GSI-2	Z	.004	.004	0	%100
11	GSI-3	Z	0	0	0	%100
12	INT1-P1	Z	.009	.009	0	%100
13	INT1-P2	Z	.009	.009	0	%100
14	INT2-P1	Z	0	0	0	%100
15	INT2-P2	Z	0	0	0	%100
16	INT3-P1	Z	.009	.009	0	%100
17	INT3-P2	Z	.009	.009	0	%100
18	K1	Z	.004	.004	0	%100
19	K2	Z	.004	.004	0	%100
20	K3	Z	.004	.004	0	%100
21	MP-1	Z	.003	.003	0	%100
22	MP-2	Z	.003	.003	0	%100
23	MP-3	Z	.003	.003	0	%100
24	MP-4	Z	.003	.003	0	%100
25	MP-5	Z	.003	.003	0	%100
26	MP-6	Z	.003	.003	0	%100
27	MP-7	Z	.003	.003	0	%100
28	MP-8	Z	.003	.003	0	%100
29	MP-9	Z	.003	.003	0	%100
30	MP-10	Z	.003	.003	0	%100
31	MP-11	Z	.003	.003	0	%100
32	MP-12	Z	.003	.003	0	%100
33	SA-1	Z	.002	.002	0	%100
34	SA-2	Z	.002	.002	0	%100
35	SA-3	Z	.005	.005	0	%100
36	SF1-HR	Z	.003	.003	0	%100
37	SF1-TH	Z	.007	.007	0	%100
38	SF2-HR	Z	.003	.003	0	%100
39	SF2-TH	Z	.007	.007	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CP-1	X	-.001	-.001	0	%100
2	CP-1U	X	-.002	-.002	0	%100
3	CP-2	X	-.000537	-.000537	0	%100
4	CP-2U	X	-.000915	-.000915	0	%100
5	CP-3	X	-.000593	-.000593	0	%100
6	CP-3U	X	-.00093	-.00093	0	%100
7	FF-HR	X	-.000756	-.000756	0	%100
8	FFTH	X	-.002	-.002	0	%100
9	GSI-1	X	-.001	-.001	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
10	GSI-2	X	-.002	-.002	0	%100
11	GSI-3	X	-.001	-.001	0	%100
12	INT1-P1	X	-.003	-.003	0	%100
13	INT1-P2	X	-.003	-.003	0	%100
14	INT2-P1	X	-.003	-.003	0	%100
15	INT2-P2	X	-.003	-.003	0	%100
16	INT3-P1	X	-.005	-.005	0	%100
17	INT3-P2	X	-.005	-.005	0	%100
18	K1	X	-.002	-.002	0	%100
19	K2	X	-.002	-.002	0	%100
20	K3	X	-.002	-.002	0	%100
21	MP-1	X	-.001	-.001	0	%100
22	MP-2	X	-.001	-.001	0	%100
23	MP-3	X	-.001	-.001	0	%100
24	MP-4	X	-.001	-.001	0	%100
25	MP-5	X	-.001	-.001	0	%100
26	MP-6	X	-.001	-.001	0	%100
27	MP-7	X	-.001	-.001	0	%100
28	MP-8	X	-.001	-.001	0	%100
29	MP-9	X	-.001	-.001	0	%100
30	MP-10	X	-.001	-.001	0	%100
31	MP-11	X	-.001	-.001	0	%100
32	MP-12	X	-.001	-.001	0	%100
33	SA-1	X	-.002	-.002	0	%100
34	SA-2	X	0	0	0	%100
35	SA-3	X	-.002	-.002	0	%100
36	SF1-HR	X	-.000634	-.000634	0	%100
37	SF1-TH	X	-.002	-.002	0	%100
38	SF2-HR	X	-.001	-.001	0	%100
39	SF2-TH	X	-.003	-.003	0	%100
40	CP-1	Z	.002	.002	0	%100
41	CP-1U	Z	.003	.003	0	%100
42	CP-2	Z	.001	.001	0	%100
43	CP-2U	Z	.002	.002	0	%100
44	CP-3	Z	.000925	.000925	0	%100
45	CP-3U	Z	.001	.001	0	%100
46	FF-HR	Z	.001	.001	0	%100
47	FFTH	Z	.003	.003	0	%100
48	GSI-1	Z	.002	.002	0	%100
49	GSI-2	Z	.004	.004	0	%100
50	GSI-3	Z	.002	.002	0	%100
51	INT1-P1	Z	.004	.004	0	%100
52	INT1-P2	Z	.004	.004	0	%100
53	INT2-P1	Z	.004	.004	0	%100
54	INT2-P2	Z	.004	.004	0	%100
55	INT3-P1	Z	.009	.009	0	%100
56	INT3-P2	Z	.009	.009	0	%100
57	K1	Z	.004	.004	0	%100
58	K2	Z	.004	.004	0	%100
59	K3	Z	.004	.004	0	%100
60	MP-1	Z	.003	.003	0	%100
61	MP-2	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	MP-3	Z	.003	.003	0	%100
63	MP-4	Z	.003	.003	0	%100
64	MP-5	Z	.003	.003	0	%100
65	MP-6	Z	.002	.002	0	%100
66	MP-7	Z	.003	.003	0	%100
67	MP-8	Z	.003	.003	0	%100
68	MP-9	Z	.003	.003	0	%100
69	MP-10	Z	.002	.002	0	%100
70	MP-11	Z	.003	.003	0	%100
71	MP-12	Z	.003	.003	0	%100
72	SA-1	Z	.004	.004	0	%100
73	SA-2	Z	0	0	0	%100
74	SA-3	Z	.004	.004	0	%100
75	SF1-HR	Z	.001	.001	0	%100
76	SF1-TH	Z	.003	.003	0	%100
77	SF2-HR	Z	.003	.003	0	%100
78	SF2-TH	Z	.007	.007	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	CP-1	X	-.001	-.001	0	%100
2	CP-1U	X	-.003	-.003	0	%100
3	CP-2	X	-.000393	-.000393	0	%100
4	CP-2U	X	-.00067	-.00067	0	%100
5	CP-3	X	-.001	-.001	0	%100
6	CP-3U	X	-.002	-.002	0	%100
7	FF-HR	X	-.002	-.002	0	%100
8	FFTH	X	-.004	-.004	0	%100
9	GSI-1	X	-.0008	-.0008	0	%100
10	GSI-2	X	-.003	-.003	0	%100
11	GSI-3	X	-.003	-.003	0	%100
12	INT1-P1	X	-.002	-.002	0	%100
13	INT1-P2	X	-.002	-.002	0	%100
14	INT2-P1	X	-.005	-.005	0	%100
15	INT2-P2	X	-.005	-.005	0	%100
16	INT3-P1	X	-.007	-.007	0	%100
17	INT3-P2	X	-.007	-.007	0	%100
18	K1	X	-.003	-.003	0	%100
19	K2	X	-.003	-.003	0	%100
20	K3	X	-.003	-.003	0	%100
21	MP-1	X	-.002	-.002	0	%100
22	MP-2	X	-.002	-.002	0	%100
23	MP-3	X	-.002	-.002	0	%100
24	MP-4	X	-.002	-.002	0	%100
25	MP-5	X	-.002	-.002	0	%100
26	MP-6	X	-.002	-.002	0	%100
27	MP-7	X	-.002	-.002	0	%100
28	MP-8	X	-.002	-.002	0	%100
29	MP-9	X	-.002	-.002	0	%100
30	MP-10	X	-.002	-.002	0	%100
31	MP-11	X	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
32	MP-12	X	-.002	-.002	0	%100
33	SA-1	X	-.004	-.004	0	%100
34	SA-2	X	-.000955	-.000955	0	%100
35	SA-3	X	-.002	-.002	0	%100
36	SF1-HR	X	-.000464	-.000464	0	%100
37	SF1-TH	X	-.001	-.001	0	%100
38	SF2-HR	X	-.002	-.002	0	%100
39	SF2-TH	X	-.005	-.005	0	%100
40	CP-1	Z	.002	.002	0	%100
41	CP-1U	Z	.003	.003	0	%100
42	CP-2	Z	.000423	.000423	0	%100
43	CP-2U	Z	.000673	.000673	0	%100
44	CP-3	Z	.001	.001	0	%100
45	CP-3U	Z	.002	.002	0	%100
46	FF-HR	Z	.001	.001	0	%100
47	FFTH	Z	.004	.004	0	%100
48	GSI-1	Z	.00089	.00089	0	%100
49	GSI-2	Z	.003	.003	0	%100
50	GSI-3	Z	.002	.002	0	%100
51	INT1-P1	Z	.002	.002	0	%100
52	INT1-P2	Z	.002	.002	0	%100
53	INT2-P1	Z	.005	.005	0	%100
54	INT2-P2	Z	.005	.005	0	%100
55	INT3-P1	Z	.007	.007	0	%100
56	INT3-P2	Z	.007	.007	0	%100
57	K1	Z	.003	.003	0	%100
58	K2	Z	.003	.003	0	%100
59	K3	Z	.003	.003	0	%100
60	MP-1	Z	.002	.002	0	%100
61	MP-2	Z	.002	.002	0	%100
62	MP-3	Z	.002	.002	0	%100
63	MP-4	Z	.002	.002	0	%100
64	MP-5	Z	.002	.002	0	%100
65	MP-6	Z	.002	.002	0	%100
66	MP-7	Z	.002	.002	0	%100
67	MP-8	Z	.002	.002	0	%100
68	MP-9	Z	.002	.002	0	%100
69	MP-10	Z	.002	.002	0	%100
70	MP-11	Z	.002	.002	0	%100
71	MP-12	Z	.002	.002	0	%100
72	SA-1	Z	.003	.003	0	%100
73	SA-2	Z	.00086	.00086	0	%100
74	SA-3	Z	.003	.003	0	%100
75	SF1-HR	Z	.000553	.000553	0	%100
76	SF1-TH	Z	.001	.001	0	%100
77	SF2-HR	Z	.002	.002	0	%100
78	SF2-TH	Z	.005	.005	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	CP-1	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,%]
2	CP-1U	X	-.003	-.003	0	%100
3	CP-2	X	0	0	0	%100
4	CP-2U	X	0	0	0	%100
5	CP-3	X	-.002	-.002	0	%100
6	CP-3U	X	-.003	-.003	0	%100
7	FF-HR	X	-.002	-.002	0	%100
8	FFTH	X	-.006	-.006	0	%100
9	GSI-1	X	0	0	0	%100
10	GSI-2	X	-.003	-.003	0	%100
11	GSI-3	X	-.004	-.004	0	%100
12	INT1-P1	X	0	0	0	%100
13	INT1-P2	X	0	0	0	%100
14	INT2-P1	X	-.008	-.008	0	%100
15	INT2-P2	X	-.008	-.008	0	%100
16	INT3-P1	X	-.008	-.008	0	%100
17	INT3-P2	X	-.008	-.008	0	%100
18	K1	X	-.003	-.003	0	%100
19	K2	X	-.003	-.003	0	%100
20	K3	X	-.003	-.003	0	%100
21	MP-1	X	-.002	-.002	0	%100
22	MP-2	X	-.002	-.002	0	%100
23	MP-3	X	-.002	-.002	0	%100
24	MP-4	X	-.002	-.002	0	%100
25	MP-5	X	-.002	-.002	0	%100
26	MP-6	X	-.002	-.002	0	%100
27	MP-7	X	-.002	-.002	0	%100
28	MP-8	X	-.002	-.002	0	%100
29	MP-9	X	-.002	-.002	0	%100
30	MP-10	X	-.002	-.002	0	%100
31	MP-11	X	-.002	-.002	0	%100
32	MP-12	X	-.002	-.002	0	%100
33	SA-1	X	-.005	-.005	0	%100
34	SA-2	X	-.002	-.002	0	%100
35	SA-3	X	-.002	-.002	0	%100
36	SF1-HR	X	0	0	0	%100
37	SF1-TH	X	0	0	0	%100
38	SF2-HR	X	-.002	-.002	0	%100
39	SF2-TH	X	-.005	-.005	0	%100
40	CP-1	Z	.001	.001	0	%100
41	CP-1U	Z	.002	.002	0	%100
42	CP-2	Z	0	0	0	%100
43	CP-2U	Z	0	0	0	%100
44	CP-3	Z	.000925	.000925	0	%100
45	CP-3U	Z	.001	.001	0	%100
46	FF-HR	Z	.001	.001	0	%100
47	FFTH	Z	.003	.003	0	%100
48	GSI-1	Z	0	0	0	%100
49	GSI-2	Z	.002	.002	0	%100
50	GSI-3	Z	.002	.002	0	%100
51	INT1-P1	Z	0	0	0	%100
52	INT1-P2	Z	0	0	0	%100
53	INT2-P1	Z	.004	.004	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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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,%]
54	INT2-P2	Z	.004	.004	0	%100
55	INT3-P1	Z	.004	.004	0	%100
56	INT3-P2	Z	.004	.004	0	%100
57	K1	Z	.002	.002	0	%100
58	K2	Z	.002	.002	0	%100
59	K3	Z	.002	.002	0	%100
60	MP-1	Z	.001	.001	0	%100
61	MP-2	Z	.001	.001	0	%100
62	MP-3	Z	.001	.001	0	%100
63	MP-4	Z	.001	.001	0	%100
64	MP-5	Z	.001	.001	0	%100
65	MP-6	Z	.001	.001	0	%100
66	MP-7	Z	.001	.001	0	%100
67	MP-8	Z	.001	.001	0	%100
68	MP-9	Z	.001	.001	0	%100
69	MP-10	Z	.001	.001	0	%100
70	MP-11	Z	.001	.001	0	%100
71	MP-12	Z	.001	.001	0	%100
72	SA-1	Z	.002	.002	0	%100
73	SA-2	Z	.001	.001	0	%100
74	SA-3	Z	.001	.001	0	%100
75	SF1-HR	Z	0	0	0	%100
76	SF1-TH	Z	0	0	0	%100
77	SF2-HR	Z	.001	.001	0	%100
78	SF2-TH	Z	.003	.003	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	CP-1	Y	-.005	-.005	0	1.405
2	FFTH	Y	-1.779e-18	-.003	5.2	6.76
3	FFTH	Y	-.003	-.009	6.76	8.32
4	FFTH	Y	-.009	-.01	8.32	9.88
5	FFTH	Y	-.01	-.004	9.88	11.44
6	FFTH	Y	-.004	-1.779e-18	11.44	13
7	GSI-2	Y	-.004	-.009	0	1.2
8	GSI-2	Y	-.009	-.009	1.2	2.4
9	GSI-2	Y	-.009	-.009	2.4	3.6
10	GSI-2	Y	-.009	-.009	3.6	4.8
11	GSI-2	Y	-.009	-.004	4.8	6
12	INT3-P1	Y	-.00071	-.00071	.019	.146
13	INT3-P2	Y	-.0006818	-.0006818	.021	.149
14	SA-2	Y	-.001	-.018	.625	1.875
15	SA-2	Y	-.018	-.023	1.875	3.125
16	SA-2	Y	-.023	-.01	3.125	4.375
17	SA-2	Y	-.01	-.001	4.375	5.625
18	SF1-TH	Y	-8.896e-19	-.004	0	1.56
19	SF1-TH	Y	-.004	-.01	1.56	3.12
20	SF1-TH	Y	-.01	-.009	3.12	4.68
21	SF1-TH	Y	-.009	-.003	4.68	6.24
22	SF1-TH	Y	-.003	-8.896e-19	6.24	7.8
23	CP-2	Y	-.005	-.005	0	1.405

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,%]
24	FFTH	Y	8.896e-19	-.004	0	1.56
25	FFTH	Y	-.004	-.01	1.56	3.12
26	FFTH	Y	-.01	-.009	3.12	4.68
27	FFTH	Y	-.009	-.003	4.68	6.24
28	FFTH	Y	-.003	8.896e-19	6.24	7.8
29	GSI-1	Y	-.004	-.009	0	1.2
30	GSI-1	Y	-.009	-.009	1.2	2.4
31	GSI-1	Y	-.009	-.009	2.4	3.6
32	GSI-1	Y	-.009	-.009	3.6	4.8
33	GSI-1	Y	-.009	-.004	4.8	6
34	INT1-P1	Y	-.00071	-.00071	.021	.148
35	INT1-P2	Y	-.0006818	-.0006818	.021	.149
36	SA-1	Y	-.001	-.018	.625	1.875
37	SA-1	Y	-.018	-.023	1.875	3.125
38	SA-1	Y	-.023	-.01	3.125	4.375
39	SA-1	Y	-.01	-.001	4.375	5.625
40	SF2-TH	Y	0	-.003	5.2	6.76
41	SF2-TH	Y	-.003	-.009	6.76	8.32
42	SF2-TH	Y	-.009	-.01	8.32	9.88
43	SF2-TH	Y	-.01	-.004	9.88	11.44
44	SF2-TH	Y	-.004	0	11.44	13
45	CP-3	Y	-.005	-.005	0	1.405
46	GSI-3	Y	-.004	-.009	0	1.2
47	GSI-3	Y	-.009	-.009	1.2	2.4
48	GSI-3	Y	-.009	-.009	2.4	3.6
49	GSI-3	Y	-.009	-.009	3.6	4.8
50	GSI-3	Y	-.009	-.004	4.8	6
51	INT2-P1	Y	-.00071	-.00071	.019	.146
52	INT2-P2	Y	-.0006818	-.0006818	.018	.146
53	SA-3	Y	-.001	-.018	.625	1.875
54	SA-3	Y	-.018	-.023	1.875	3.125
55	SA-3	Y	-.023	-.01	3.125	4.375
56	SA-3	Y	-.01	-.001	4.375	5.625
57	SF1-TH	Y	-8.896e-19	-.003	5.2	6.76
58	SF1-TH	Y	-.003	-.009	6.76	8.32
59	SF1-TH	Y	-.009	-.01	8.32	9.88
60	SF1-TH	Y	-.01	-.004	9.88	11.44
61	SF1-TH	Y	-.004	-8.896e-19	11.44	13
62	SF2-TH	Y	1.779e-18	-.004	0	1.56
63	SF2-TH	Y	-.004	-.01	1.56	3.12
64	SF2-TH	Y	-.01	-.009	3.12	4.68
65	SF2-TH	Y	-.009	-.003	4.68	6.24
66	SF2-TH	Y	-.003	1.779e-18	6.24	7.8

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	CP-1	Y	-.003	-.003	0	1.405
2	FFTH	Y	4.448e-19	-.002	5.2	6.76
3	FFTH	Y	-.002	-.005	6.76	8.32
4	FFTH	Y	-.005	-.006	8.32	9.88
5	FFTH	Y	-.006	-.002	9.88	11.44

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	FFTH	Y	-.002	4.448e-19	11.44	13
7	GSI-2	Y	-.002	-.005	0	1.2
8	GSI-2	Y	-.005	-.005	1.2	2.4
9	GSI-2	Y	-.005	-.005	2.4	3.6
10	GSI-2	Y	-.005	-.005	3.6	4.8
11	GSI-2	Y	-.005	-.002	4.8	6
12	INT3-P1	Y	-.0004142	-.0004142	.019	.146
13	INT3-P2	Y	-.0003977	-.0003977	.021	.149
14	SA-2	Y	-.0006926	-.011	.625	1.875
15	SA-2	Y	-.011	-.013	1.875	3.125
16	SA-2	Y	-.013	-.006	3.125	4.375
17	SA-2	Y	-.006	-.0006926	4.375	5.625
18	SF1-TH	Y	4.448e-19	-.002	0	1.56
19	SF1-TH	Y	-.002	-.006	1.56	3.12
20	SF1-TH	Y	-.006	-.005	3.12	4.68
21	SF1-TH	Y	-.005	-.002	4.68	6.24
22	SF1-TH	Y	-.002	4.448e-19	6.24	7.8
23	CP-2	Y	-.003	-.003	0	1.405
24	FFTH	Y	-4.448e-19	-.002	0	1.56
25	FFTH	Y	-.002	-.006	1.56	3.12
26	FFTH	Y	-.006	-.005	3.12	4.68
27	FFTH	Y	-.005	-.002	4.68	6.24
28	FFTH	Y	-.002	-4.448e-19	6.24	7.8
29	GSI-1	Y	-.002	-.005	0	1.2
30	GSI-1	Y	-.005	-.005	1.2	2.4
31	GSI-1	Y	-.005	-.005	2.4	3.6
32	GSI-1	Y	-.005	-.005	3.6	4.8
33	GSI-1	Y	-.005	-.002	4.8	6
34	INT1-P1	Y	-.0004142	-.0004142	.021	.148
35	INT1-P2	Y	-.0003977	-.0003977	.021	.149
36	SA-1	Y	-.0006926	-.011	.625	1.875
37	SA-1	Y	-.011	-.013	1.875	3.125
38	SA-1	Y	-.013	-.006	3.125	4.375
39	SA-1	Y	-.006	-.0006926	4.375	5.625
40	SF2-TH	Y	0	-.002	5.2	6.76
41	SF2-TH	Y	-.002	-.005	6.76	8.32
42	SF2-TH	Y	-.005	-.006	8.32	9.88
43	SF2-TH	Y	-.006	-.002	9.88	11.44
44	SF2-TH	Y	-.002	0	11.44	13
45	CP-3	Y	-.003	-.003	0	1.405
46	GSI-3	Y	-.002	-.005	0	1.2
47	GSI-3	Y	-.005	-.005	1.2	2.4
48	GSI-3	Y	-.005	-.005	2.4	3.6
49	GSI-3	Y	-.005	-.005	3.6	4.8
50	GSI-3	Y	-.005	-.002	4.8	6
51	INT2-P1	Y	-.0004142	-.0004142	.019	.146
52	INT2-P2	Y	-.0003977	-.0003977	.018	.146
53	SA-3	Y	-.0006926	-.011	.625	1.875
54	SA-3	Y	-.011	-.013	1.875	3.125
55	SA-3	Y	-.013	-.006	3.125	4.375
56	SA-3	Y	-.006	-.0006926	4.375	5.625
57	SF1-TH	Y	-4.448e-19	-.002	5.2	6.76

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,%]
58	SF1-TH	Y	-.002	-.005	6.76	8.32
59	SF1-TH	Y	-.005	-.006	8.32	9.88
60	SF1-TH	Y	-.006	-.002	9.88	11.44
61	SF1-TH	Y	-.002	-4.448e-19	11.44	13
62	SF2-TH	Y	8.896e-19	-.002	0	1.56
63	SF2-TH	Y	-.002	-.006	1.56	3.12
64	SF2-TH	Y	-.006	-.005	3.12	4.68
65	SF2-TH	Y	-.005	-.002	4.68	6.24
66	SF2-TH	Y	-.002	8.896e-19	6.24	7.8

Member Area Loads (BLC 1 : Dead)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N74	N79	N80	N75	Y	Two Way	-.012
2	N72	N76	N77	N73	Y	Two Way	-.012
3	N70	N55	N56	N71	Y	Two Way	-.012

Member Area Loads (BLC 18 : Ice Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N74	N79	N80	N75	Y	Two Way	-.007
2	N72	N76	N77	N73	Y	Two Way	-.007
3	N70	N55	N56	N71	Y	Two Way	-.007

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	N26	max	1.606	2	.614	37	1.843	4	.029	10	1.118	17	.361	25
2		min	-2.358	26	.197	14	-3.186	28	-.324	34	-1.145	25	-.135	17
3	N27	max	.985	15	.614	48	3.294	23	.386	34	1.119	11	.305	28
4		min	-1.772	23	.195	8	-1.97	15	.003	11	-1.146	19	-.182	4
5	N28	max	3.72	18	.617	42	1.587	22	.238	6	1.155	6	-.077	2
6		min	-2.18	10	.196	3	-1.567	14	-.298	30	-1.183	30	-.383	42
7	N86	max	.018	10	2.075	34	.046	6	0	98	0	98	0	98
8		min	-2.36	34	-.038	10	-.046	14	0	1	0	1	0	1
9	N88	max	1.153	45	2.029	45	1.996	45	0	98	0	98	0	98
10		min	-.009	5	-.038	5	-.016	5	0	1	0	1	0	1
11	N90	max	1.153	39	2.029	39	.016	15	0	98	0	98	0	98
12		min	-.009	15	-.038	15	-1.996	39	0	1	0	1	0	1
13	Totals:	max	4.586	18	7.267	47	4.491	6						
14		min	-4.586	10	2.812	87	-4.491	14						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	CP-3	PL7x1/2	.523	.703	34	.128	.703	y	23	55.279	113.4	1.181	16.538	1...	H1-1b
2	CP-2	PL7x1/2	.516	.703	44	.128	.703	y	18	55.279	113.4	1.181	16.538	1...	H1-1b
3	CP-1	PL7x1/2	.515	.703	39	.129	.703	y	29	55.279	113.4	1.181	16.538	1...	H1-1b
4	SF1-HR	PIPE_2.0	.428	11.849	8	.186	.651		29	1.428	32.13	1.872	1.872	2...	H1-1a
5	FF-HR	PIPE_2.0	.427	.651	13	.186	11.8...		18	1.428	32.13	1.872	1.872	2...	H1-1a
6	SF2-HR	PIPE_2.0	.427	.651	2	.186	11.8...		23	1.428	32.13	1.872	1.872	2...	H1-1a

Company : Tower Engineering Professionals, Inc.
Designer : JCM
Job Number : TEP No.218229.601930
Model Name : Yankee Lake/East Hampton/Town (876368)

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
7	CP-3U	L2.5x2.5x4	.413	.996	32	.078	0	z	30	37.327	38.556	1.114	2.537	1...	H2-1
8	CP-1U	L2.5x2.5x4	.401	.996	22	.080	.996	z	20	37.327	38.556	1.114	2.537	1...	H2-1
9	CP-2U	L2.5x2.5x4	.401	.996	27	.078	0	z	25	37.327	38.556	1.114	2.537	1...	H2-1
10	GSI-2	L5X3.5X4	.377	3	42	.043	3	z	37	50.954	67.068	2.629	7.107	1...	H2-1
11	MP-10	PIPE 2.0	.375	5.125	32	.101	5.125		20	12.349	32.13	1.872	1.872	1...	H1-1b
12	GSI-1	L5X3.5X4	.375	3	49	.044	3	z	42	50.954	67.068	2.629	7.108	1...	H2-1
13	GSI-3	L5X3.5X4	.373	3	37	.043	3	z	47	50.954	67.068	2.629	7.104	1...	H2-1
14	MP-11	PIPE 2.0	.367	6.563	32	.094	6.563		30	12.349	32.13	1.872	1.872	3...	H1-1b
15	MP-2	PIPE 2.0	.364	5.125	21	.099	5.125		25	12.349	32.13	1.872	1.872	1...	H1-1b
16	MP-6	PIPE 2.0	.364	5.125	26	.099	5.125		30	12.349	32.13	1.872	1.872	1...	H1-1b
17	MP-3	PIPE 2.0	.362	6.563	21	.094	6.563		19	12.349	32.13	1.872	1.872	1...	H1-1b
18	MP-7	PIPE 2.0	.362	6.563	26	.094	6.563		25	12.349	32.13	1.872	1.872	2...	H1-1b
19	MP-12	PIPE 2.0	.311	6.563	24	.140	2.438		21	12.349	32.13	1.872	1.872	4...	H1-1b
20	MP-4	PIPE 2.0	.304	6.563	30	.140	2.438		26	12.349	32.13	1.872	1.872	3...	H1-1b
21	MP-8	PIPE 2.0	.304	6.563	19	.140	2.438		31	12.349	32.13	1.872	1.872	4...	H1-1b
22	MP-9	PIPE 2.0	.295	6.563	32	.122	6.563		30	12.349	32.13	1.872	1.872	3...	H1-1b
23	MP-1	PIPE 2.0	.286	6.563	21	.124	6.563		20	12.349	32.13	1.872	1.872	2...	H1-1b
24	MP-5	PIPE 2.0	.286	6.563	26	.122	6.563		25	12.349	32.13	1.872	1.872	3.9	H1-1b
25	SF1-TH	L6X3.5X5	.196	4.604	30	.070	6.229	y	37	24.905	93.636	3.396	10.319	1...	H2-1
26	FFTH	L6X3.5X5	.196	4.604	19	.071	6.229	y	42	24.905	93.636	3.396	10.321	1...	H2-1
27	SF2-TH	L6X3.5X5	.195	4.604	25	.071	6.229	y	48	24.905	93.636	3.396	10.325	1...	H2-1
28	SA-3	HSS4X4X3	.115	0	30	.080	0	z	30	77.307	106.812	12.662	12.662	1...	H1-1b
29	SA-2	HSS4X4X3	.114	0	20	.079	0	z	20	77.307	106.812	12.662	12.662	1...	H1-1b
30	INT3-P2	PL5x3/8	.114	.167	42	.033	0	y	26	60.29	60.75	.475	6.329	1...	H1-1b
31	INT1-P2	PL5x3/8	.113	.167	47	.033	0	y	31	60.29	60.75	.475	6.329	1...	H1-1b
32	INT2-P2	PL5x3/8	.113	0	37	.033	.167	y	21	60.29	60.75	.475	6.329	1...	H1-1b
33	SA-1	HSS4X4X3	.112	0	25	.079	0	z	25	77.307	106.812	12.662	12.662	1...	H1-1b
34	INT1-P1	PL5x3/8	.104	.167	42	.034	0	y	26	60.29	60.75	.475	6.329	1...	H1-1b
35	INT3-P1	PL5x3/8	.103	0	37	.034	.167	y	21	60.29	60.75	.475	6.329	1...	H1-1b
36	INT2-P1	PL5x3/8	.103	0	48	.034	.167	y	31	60.29	60.75	.475	6.329	1...	H1-1b
37	K3	LL2.5x2.5x...	.087	6.138	34	.003	6.138	y	18	36.074	58.32	3.954	2.136	1	H1-1b*
38	K2	LL2.5x2.5x...	.085	6.138	45	.003	6.138	y	29	36.074	58.32	3.954	2.136	1...	H1-1b*
39	K1	LL2.5x2.5x...	.085	6.138	39	.003	0	y	23	36.074	58.32	3.954	2.136	1...	H1-1b*

Envelope None Cold Formed Steel Code Checks

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

APPENDIX D

ADDITIONAL CALCULATIONS

TOWER ENGINEERING PROFESSIONALS

Yankee Lake/East Hampton/Town (876368)

TEP No.	218229.601930	
Analysis By:	JCM	9/24/2021
Checked By:	GHM	9/24/2021

Moment Bolt Group - Support Arm

Code Revisions:	ANSI/TIA-222-H
Bolt Type:	Headed Bolts

Connection Inputs:

Bolt Size:	0.625	in
# Bolts:	4	
Plate Width:	8.50	in
Plate Height:	8.50	in
Bolt H Gap:	6.00	in
Bolt V Gap:	6.00	in
Plate T:	0.750	in
Slip Member Ø:	N/A	in
Bolt Grade:	A325N	

Capacities:

Bolt Capacity=	8.9%	PASS
Plate Capacity=	8.4%	PASS

Bolt Properties:

Fy_{bolt}:	92.0	ksi
Fu_{bolt}:	120.0	ksi
r:	4.2	in
J:	72.0	in^4/in^2
A_{bolt}:	0.3	in^2
$A_{bolt,\ Net\ Tensile}$:	0.2	in^2
Pretension:	19.0	kips

Member Properties:

Member Shape:	Flat	
Plate Fy:	36.0	ksi
Plate Fu:	58.0	ksi
Member Height:	4.0	in
Member Width:	4.0	in

Exhibit F

Power Density/RF Emissions Report

EBI Consulting

environmental | engineering | due diligence

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

T-Mobile Existing Facility

Site ID: CTHA696A

876368
1 Public Works Drive
East Hampton, Connecticut 06032

November 17, 2021

EBI Project Number: 6221006880

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**15.43%**

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

November 17, 2021

T-Mobile
Attn: Jason Overbey, RF Manager
35 Griffin Road South
Bloomfield, Connecticut 06002

Emissions Analysis for Site: CTHA696A - 876368

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **1 Public Works Drive** in **East Hampton, Connecticut** for the purpose of determining whether the emissions from the Proposed T-Mobile 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 T-Mobile Wireless antenna facility located at 1 Public Works Drive in East Hampton, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile 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) 2 LTE channels (600 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

2) 1 NR channel (600 MHz Band) was considered for each sector of the proposed installation. This Channel has a transmit power of 80 Watts.

3) 2 LTE channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

4) 4 GSM channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

5) 2 LTE channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.

6) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.

7) 1 LTE Traffic channel (LTE 1C and 2C BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 60 Watts.

8) 1 LTE Broadcast channel (LTE 1C and 2C BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 20 Watts.

9) 1 NR Traffic channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 120 Watts.

10) 1 NR Broadcast channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 40 Watts.

11) 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.

12) 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.

13) The antennas used in this modeling are the RFS APXVAALL24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s) in Sector A, the RFS APXVAALL24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s) in Sector B, the RFS APXVAALL24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 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.

14) The antenna mounting height centerline of the proposed antennas is 178 feet above ground level (AGL).

15) 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.

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

T-Mobile Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	RFS APXVAALL24_43-U-NA20	Make / Model:	RFS APXVAALL24_43-U-NA20	Make / Model:	RFS APXVAALL24_43-U-NA20
Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz / 1900 MHz / 2100 MHz
Gain:	12.95 dBd / 12.95 dBd / 13.65 dBd / 15.45 dBd / 15.45 dBd / 16.45 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.65 dBd / 15.45 dBd / 15.45 dBd / 16.45 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.65 dBd / 15.45 dBd / 15.45 dBd / 16.45 dBd
Height (AGL):	178 feet	Height (AGL):	178 feet	Height (AGL):	178 feet
Channel Count:	13	Channel Count:	13	Channel Count:	13
Total TX Power (W):	560 Watts	Total TX Power (W):	560 Watts	Total TX Power (W):	560 Watts
ERP (W):	17,868.72	ERP (W):	17,868.72	ERP (W):	17,868.72
Antenna A1 MPE %:	**2.87%**	Antenna B1 MPE %:	**2.87%**	Antenna C1 MPE %:	**2.87%**
Antenna #:	2	Antenna #:	2	Antenna #:	2
Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449
Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz
Gain:	22.65 dBd / 17.3 dBd / 22.65 dBd / 17.3 dBd	Gain:	22.65 dBd / 17.3 dBd / 22.65 dBd / 17.3 dBd	Gain:	22.65 dBd / 17.3 dBd / 22.65 dBd / 17.3 dBd
Height (AGL):	178 feet	Height (AGL):	178 feet	Height (AGL):	178 feet
Channel Count:	4	Channel Count:	4	Channel Count:	4
Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts
ERP (W):	36,356.09	ERP (W):	36,356.09	ERP (W):	36,356.09
Antenna A2 MPE %:	**4.42%**	Antenna B2 MPE %:	**4.42%**	Antenna C2 MPE %:	**4.42%**

Site Composite MPE %	
Carrier	**MPE %**
T-Mobile (Max at Sector A):	7.29%
Town	0.14%
AT&T	4.17%
Verizon	3.47%
Nextel	0.36%
Site Total MPE % :	15.43%

T-Mobile MPE % Per Sector	
T-Mobile Sector A Total:	7.29%
T-Mobile Sector B Total:	7.29%
T-Mobile Sector C Total:	7.29%
Site Total MPE % :	15.43%

T-Mobile Maximum MPE Power Values (Sector A)

T-Mobile 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
T-Mobile 600 MHz LTE	2	591.73	178.0	1.44	600 MHz LTE	400	0.36%
T-Mobile 600 MHz NR	1	1577.94	178.0	1.92	600 MHz NR	400	0.48%
T-Mobile 700 MHz LTE	2	695.22	178.0	1.69	700 MHz LTE	467	0.36%
T-Mobile 1900 MHz GSM	4	1052.26	178.0	5.11	1900 MHz GSM	1000	0.51%
T-Mobile 1900 MHz LTE	2	2104.51	178.0	5.11	1900 MHz LTE	1000	0.51%
T-Mobile 2100 MHz LTE	2	2649.42	178.0	6.44	2100 MHz LTE	1000	0.64%
T-Mobile 2500 MHz LTE 1C & 2C Traffic	1	11044.63	178.0	13.42	2500 MHz LTE 1C & 2C Traffic	1000	1.34%
T-Mobile 2500 MHz LTE 1C & 2C Broadcast	1	1074.06	178.0	1.31	2500 MHz LTE 1C & 2C Broadcast	1000	0.13%
T-Mobile 2500 MHz NR Traffic	1	22089.26	178.0	26.84	2500 MHz NR Traffic	1000	2.68%
T-Mobile 2500 MHz NR Broadcast	1	2148.13	178.0	2.61	2500 MHz NR Broadcast	1000	0.26%
						Total:	**7.29%**

• 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 T-Mobile 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:

T-Mobile Sector	Power Density Value (%)
Sector A:	7.29%
Sector B:	7.29%
Sector C:	7.29%
T-Mobile Maximum MPE % (Sector A):	7.29%
Site Total:	15.43%
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **15.43%** 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.

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