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EM-AT&T-054-230612

May 25, 2023

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

RECEIVED
JUN 12 2023
Connecticut Siting Council

Re: **Notice of Exempt Modification – Antenna and RRU Add**
Property Address: **58A Montano Road, Glastonbury CT 06033**
Applicant: **AT&T Mobility, LLC**

ORIGINAL

Dear Ms. Bachman:

On behalf of AT&T, please accept this application as notification pursuant to R.C.S.A. §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16- 50j-72(b) (2).

AT&T currently maintains a wireless telecommunications facility consisting of twelve (12) wireless telecommunication antennas at an antenna center line height of 100-feet on an existing 119 foot lattice tower, owned by SBA Towers. AT&T now intends to install (6) new antennas (2 per sector) to replace (6) existing antennas, (9) new RRUs to replacing (9) existing RRUs. All of the changes will take place on the existing antenna mount. This modification/proposal includes B2, B5, and B12 hardware that is both 4G(LTE) and 5GNR capable through remote software configuration and either or both services may be turned on or off at various times

Attached is a summary of the planned modifications including power density calculations reflecting the change in AT&T's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

Please accept this letter pursuant to Regulation of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-5I0j-72(b) (2). In accordance with R.C.S.A., a copy of this letter is being sent to the tower owner SBA Towers, 8051 Congress Ave, Boca Raton, FL and Thomas Gullotta – First Selectman, Town of Glastonbury, CT at 2155 Main Street.

The following is a list of subsequent decisions by the Connecticut Siting Council:

TS-CING-054-131008 – New Cingular Wireless PCS, LLC request for an order to approve tower sharing at an existing telecommunications facility located at 58A Montano Road, **Glastonbury**, Connecticut.

EM-AT&T-054-160311 - AT&T Mobility, LLC notice of intent to modify an existing telecommunications facility located at 58 Montano Road, **Glastonbury**, Connecticut.

The planned modifications to AT&T's facility fall squarely within those activities explicitly provided for in R.C.S.A. §16-50j-72(b) (2).

1. The proposed modifications will not result in an increase in the height of the existing tower. AT&T's replacement antennas will be installed at the 100-foot level of the 119 lattice tower.

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2. The proposed modifications will not involve any changes to ground-mounted equipment and, therefore, will not require and extension of the site boundary.
3. The proposed modifications will not increase the noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative worst-case RF emissions calculation for AT&T's modified facility is provided in the RF Emissions Compliance Report, included in Tab 2.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The tower and its foundation can support AT&T's proposed modifications. (See Structural Analysis Report included in Tab 3).

For the foregoing reasons, AT&T respectfully submits that the proposed modifications to the above referenced telecommunications facility constitutes an exempt modification under R.C.S.A. §16-50j-72(b) (2).

Sincerely,

Kelly Fay

CC w/enclosures:
SBA Towers – Tower owner
Thomas Gullotta – First selectman

58 MONTANO RD

Location	58 MONTANO RD	**MBLU**	G7/ 4480/ S0021/ TWR/
Acct#	G74480S0021T	**Owner**	SBA TOWERS II LLC
Assessment	$473,200	**Appraisal**	$675,900
PID	106229	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$81,900	$594,000	$675,900
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$57,400	$415,800	$473,200

Owner of Record

Owner	SBA TOWERS II LLC
Co-Owner	C/O TAX DEPT
Address	8051 CONGRESS AVE BOCA RATON, FL 33487-1307

Sale Price	$165,000
Certificate	
Book & Page	3525/0259
Sale Date	11/16/2018
Instrument	62

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
SBA TOWERS II LLC	$165,000		3525/0259	62	11/16/2018
SBA PROPERTIES INC	$0		2367/0210		08/28/2006

Building Information

Building 1 : Section 1

Year Built:	2017
Living Area:	192
Replacement Cost:	$40,627
Replacement Cost Less Depreciation:	$39,400

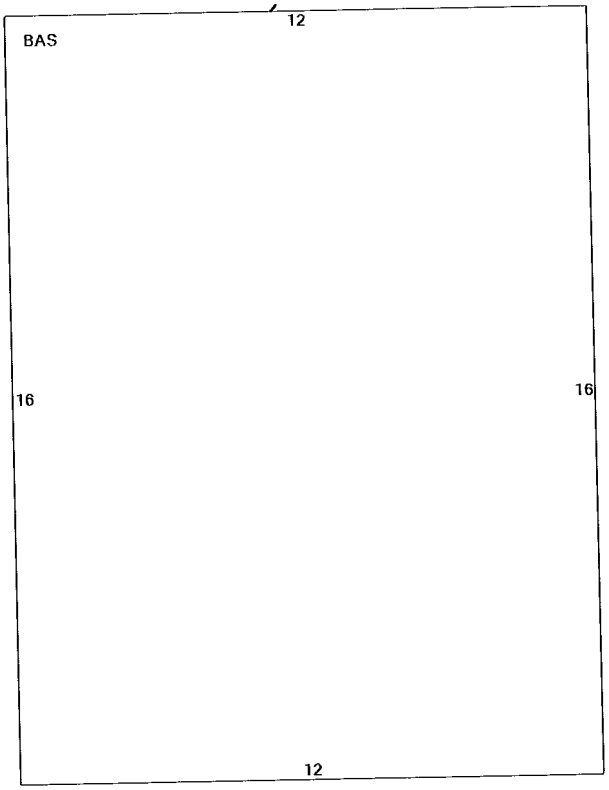
Building Attributes	
Field	**Description**
Style:	Support Shed
Model	Ind/Comm
Grade	B
Stories:	1
Occupancy	1.00
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Asphalt Shingl
Interior Wall 1	Minimum
Interior Wall 2	
Interior Floor 1	Cement
Interior Floor 2	
Heating Fuel	Solar Assisted
Heating Type	Hot Water
AC Type	None
Struct Class	
Bldg Use	Cell Tower
Total Rooms	
Total Bedrms	
Total Baths	
Inspection	
Int Condition	
1st Floor Use:	
Heat/AC	HEAT ONLY
Frame Type	MASONRY
Baths/Plumbing	NONE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	9.00
% Comn Wall	

Building Photo



(https://images.vgsi.com/photos/GlastonburyCTPhotos//default.jpg)

Building Layout



(ParcelSketch.ashx?pid=106229&bid=104346)

Building Sub-Areas (sq ft)			
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	192	192
		192	192

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	350
Description	Cell Tower
Zone	
Category	

Land Line Valuation

Size (Acres)	0.00
Assessed Value	$415,800
Appraised Value	$594,000

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
FNC	FENCE	M	Metal	250.00 L.F.	$12,500	1
SHD4	Cell Shed			160.00 S.F.	$30,000	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$81,900	$594,000	$675,900

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$57,400	$415,800	$473,200

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



Site Name:	GLASTONBURY MONTANO RD.
AT&T Mobility FA#	10577834
Site ID:	CTL01809
Project Name:	LTE
Address:	58A MONTANO ROAD, GLASTONBURY, CT 06033
County:	HARTFORD
Latitude:	41.6994440
Longitude:	-72.5640000
Structure Type:	MONOPOLE
Property Owner:	NA
Property Contact:	NA

AT&T Existing Facility

Report Information

Report Writer:	Monti Kumar	**Report Generated Date:**	05-18-2023

Site Compliance Statement

Compliance Status	Compliant
Cumulative General Population % MPE (Ground Level)	1.6297%

May 18, 2023

Emissions Analysis for Site: **CTL01809– GLASTONBURY MONTANO RD.**

MobileComm Professionals, Inc was directed to analyze the proposed AT&T facility located at **58A MONTANO ROAD, GLASTONBURY, CT 06033**, for the purpose of determining whether the emissions from the Proposed AT&T Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of milliwatts per square centimeter (mW/cm^2) or microwatts per square centimeter (μW/cm2). The number of mW/cm^2 or μW/cm2 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 public 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 public 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 milliwatts per square centimeter (mW/cm^2). The general population exposure limits for the 700 and 850 MHz Bands are approximately 0.467 mW/cm^2 and 0.567 mW/cm^2 respectively or 466.667 μW/cm2 and 566.667 μW/cm2 respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS), 2300 MHz (WCS), 3540 MHz (DoD Band) and 3840 MHz (C-Band) bands is 1 mW/cm^2 or 1000 μW/cm2. 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.

1. Theoretical Calculations: Methods and Procedures

MobileComm Professionals, Inc has performed theoretical modeling of the site using a software tool, RoofMaster® Version 40.12.23.2022, which incorporates calculation methodologies detailed in FCC OET 65. RoofMaster® uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations, the power decreases inversely with the square of the distance. The modeling is based on worst-case assumptions in terms of transmitter power and duty cycle. No losses were included in the power calculations unless they were specifically provided for the project.

In OET 65, a far field model is presented to calculate the spatial peak power density. The RoofMaster® implementation of this model incorporates antenna manufacturer's horizontal and vertical pattern data to determine the power density in all directions. This model yields the power density at a single point in space. In order to determine the spatial power density for comparison to the FCC limits, the average of several points calculated within the human profile (0-6') must be conducted. RoofMaster® calculates seven power density values between 0-6' above the specified study plane and performs a linear spatial average.

The following table details the antennas and operating parameters for the AT&T antenna system as well as any other antenna systems at the site. This is based on antenna information provided by the client and data compiled from other sources where necessary. The data below was input into Roofmaster® to perform the theoretical exposure calculations at the ground.

The theoretical calculations performed in Roofmaster® determine the cumulative exposure at all sample points at ground level (0-6' spatial average). The results from highest cumulative sample point at ground level surrounding the site are displayed in the table below. The contribution from directional antennas to the maximum cumulative totals varies greatly depending on location; therefore, the contribution from one antenna sector at the highest calculated exposure point may be greater or less than other sectors since sectorized directional antennas are pointed in different directions and there is not much overlapping exposure.

The contribution to the cumulative power density and % MPE for each antenna/frequency band is listed in the table. The cumulative power density and cumulative % MPE are displayed at the bottom of the table.

2. Antenna Inventory & Power Data

Sector	Ant ID	Operator	Antenna Mfg	Antenna Model	Antenna Type	FREQ. (MHz)	TECH.	AZ. (°)	H B W (°)	Antenna Gain (dBd)	Antenna Aperture (ft)	#of Channels	Transmitter Power Per Channel (Watts)	Total ERP (Watts)	Total EIRP (Watts)	Height (ft)	Calculated Power Density (μW/cm²)	Allowable MPE (μW/cm²)	Calculated MPE%
A	1	AT&T	CCI	OPA65R-BU8DA	Panel	700	LTE(FN)	20	75	13.55	8	4	40.00	3229.39	5298.10	100.00	0.024417	466.67	0.005232
A	1	AT&T	CCI	OPA65R-BU8DA	Panel	2100	LTE/5G	20	69	16.05	8	4	40.00	5742.75	9421.50	100.00	0.016060	1000.00	0.001606
A	2	AT&T	CCI	OPA65R-BU8DA	Panel	700	LTE(B12)	20	75	13.55	8	4	40.00	3229.39	5298.10	100.00	0.087077	466.67	0.018659
A	2	AT&T	CCI	OPA65R-BU8DA	Panel	850	5G	20	63	14.45	8	4	40.00	3973.01	6518.08	100.00	0.072272	566.67	0.012754
A	2	AT&T	CCI	OPA65R-BU8DA	Panel	1900	LTE/5G	20	67	15.75	8	4	40.00	5359.45	8792.65	100.00	0.101661	1000.00	0.010166
B	3	AT&T	CCI	OPA65R-BU8DA	Panel	700	LTE(FN)	140	75	13.55	8	4	40.00	3229.39	5298.10	100.00	0.000003	466.67	0.000001
B	3	AT&T	CCI	OPA65R-BU8DA	Panel	2100	LTE/5G	140	69	16.05	8	4	40.00	5742.75	9421.50	100.00	0.000014	1000.00	0.000001
B	4	AT&T	CCI	OPA65R-BU8DA	Panel	700	LTE(B12)	140	75	13.55	8	4	40.00	3229.39	5298.10	100.00	0.000003	466.67	0.000001
B	4	AT&T	CCI	OPA65R-BU8DA	Panel	850	5G	140	63	14.45	8	4	40.00	3973.01	6518.08	100.00	0.000017	566.67	0.000003
B	4	AT&T	CCI	OPA65R-BU8DA	Panel	1900	LTE/5G	140	67	15.75	8	4	40.00	5359.45	8792.65	100.00	0.000145	1000.00	0.000014
C	5	AT&T	CCI	OPA65R-BU8DA	Panel	700	LTE(FN)	260	75	13.55	8	4	40.00	3229.39	5298.10	100.00	0.000048	466.67	0.000010
C	5	AT&T	CCI	OPA65R-BU8DA	Panel	2100	LTE/5G	260	69	16.05	8	4	40.00	5742.75	9421.50	100.00	0.000056	1000.00	0.000006
C	6	AT&T	CCI	OPA65R-BU8DA	Panel	700	LTE(B12)	260	75	13.55	8	4	40.00	3229.39	5298.10	100.00	0.000010	466.67	0.000002
C	6	AT&T	CCI	OPA65R-BU8DA	Panel	850	5G	260	63	14.45	8	4	40.00	3973.01	6518.08	100.00	0.000022	566.67	0.000004
C	6	AT&T	CCI	OPA65R-BU8DA	Panel	1900	LTE/5G	260	67	15.75	8	4	40.00	5359.45	8792.65	100.00	0.000102	1000.00	0.000010
A	7	T-Mobile	Ericsson	AIR6449_LTE_B41	Panel	2500	LTE	60	12.5	22.65	2.75	1	40.67	7485.61	12280.81	117.00	0.258152	1000.00	0.025815
A	7	T-Mobile	Ericsson	AIR6449_NR_B41	Panel	2500	5G	60	12.5	22.65	2.75	1	67.78	12476.02	20468.02	117.00	0.430253	1000.00	0.043025
A	8	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	600	LTE	60	69	13.25	8	1	40.00	753.46	1236.12	115.00	0.024793	400.00	0.006198
A	8	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	600	5G	60	69	13.25	8	1	40.00	753.46	1236.12	115.00	0.024793	400.00	0.006198
A	8	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	700	LTE	60	64	13.65	8	2	20.00	826.15	1355.38	115.00	0.027277	466.67	0.005845
A	8	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	1900	LTE	60	63	16.05	8	4	40.00	5742.75	9421.50	115.00	0.116770	1000.00	0.011677
A	8	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	1900	GSM	60	63	16.05	8	1	15.00	538.38	883.27	115.00	0.010947	1000.00	0.001095
A	8	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	2100	LTE	60	65	16.45	8	4	40.00	6296.80	10330.47	115.00	0.081346	1000.00	0.008135
A	8	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	2100	UMTS	60	65	16.45	8	1	40.00	1574.20	2582.62	115.00	0.020337	1000.00	0.002034
B	9	T-Mobile	Ericsson	AIR6449_LTE_B41	Panel	2500	LTE	200	12.5	22.65	2.75	1	40.67	7485.61	12280.81	117.00	0.000211	1000.00	0.000021
B	9	T-Mobile	Ericsson	AIR6449_NR_B41	Panel	2500	5G	200	12.5	22.65	2.75	1	67.78	12476.02	20468.02	117.00	0.000352	1000.00	0.000035
B	10	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	600	LTE	200	69	13.25	8	1	40.00	753.46	1236.12	115.00	0.000006	400.00	0.000002
B	10	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	600	5G	200	69	13.25	8	1	40.00	753.46	1236.12	115.00	0.000006	400.00	0.000002
B	10	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	700	LTE	200	64	13.65	8	2	20.00	826.15	1355.38	115.00	0.000011	466.67	0.000002
B	10	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	1900	LTE	200	63	16.05	8	4	40.00	5742.75	9421.50	115.00	0.000026	1000.00	0.000003
B	10	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	1900	GSM	200	63	16.05	8	1	15.00	538.38	883.27	115.00	0.000002	1000.00	0.000000
B	10	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	2100	LTE	200	65	16.45	8	4	40.00	6296.80	10330.47	115.00	0.000024	1000.00	0.000002
B	10	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	2100	UMTS	200	65	16.45	8	1	40.00	1574.20	2582.62	115.00	0.000006	1000.00	0.000001

Table 2.1: Antenna Inventory & Power Data

**NOTE: 75% Duty Cycle and adjusted power reduction factor of 0.32 was applied to the AIR6449 & AIR6449 antennas per guidance from AT&T. Specifications were not available for the Ericsson AIR 6449 antenna. Per AT&T, specifications for the AIR 6449 antenna were used to model the 6449 due to its similarity.*

Sector	Ant ID	Operator	Antenna Mfg	Antenna Model	Antenna Type	FREQ. (MHz)	TECH.	AZ. (°)	H B W (°)	Antenna Gain (dBd)	Antenna Aperture (ft)	#of Channels	Transmitter Power Per Channel (Watts)	Total ERP (Watts)	Total EIRP (Watts)	Height (ft)	Calculated Power Density (μW/cm²)	Allowable MPE (μW/cm²)	Calculated MPE%
C	11	T-Mobile	Ericsson	AIR6449_LTE_B41	Panel	2500	LTE	300	12.5	22.65	2.75	1	40.67	7485.61	12280.81	117.00	0.023546	1000.00	0.002355
C	11	T-Mobile	Ericsson	AIR6449_NR_B41	Panel	2500	5G	300	12.5	22.65	2.75	1	67.78	12476.02	20468.02	117.00	0.039244	1000.00	0.003924
C	12	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	600	LTE	300	69	13.25	8	1	40.00	753.46	1236.12	115.00	0.000472	400.00	0.000118
C	12	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	600	5G	300	69	13.25	8	1	40.00	753.46	1236.12	115.00	0.000472	400.00	0.000118
C	12	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	700	LTE	300	64	13.65	8	2	20.00	826.15	1355.38	115.00	0.001110	466.67	0.000238
C	12	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	1900	LTE	300	63	16.05	8	4	40.00	5742.75	9421.50	115.00	0.003019	1000.00	0.000302
C	12	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	1900	GSM	300	63	16.05	8	1	15.00	538.38	883.27	115.00	0.000283	1000.00	0.000028
C	12	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	2100	LTE	300	65	16.45	8	4	40.00	6296.80	10330.47	115.00	0.000838	1000.00	0.000084
C	12	T-Mobile	RFS	APXVAARR24_43-U-NA20	Panel	2100	UMTS	300	65	16.45	8	1	40.00	1574.20	2582.62	115.00	0.000209	1000.00	0.000021
A	13	Verizon	Samsung	MT6407-77A	Panel	3700	5G	40	17	22.85	2.93	4	35.00	24050.72	39457.36	90.00	0.798537	1000.00	0.079854
A	14	Verizon	CommScope	NHH-65B-R2B	Panel	700	LTE	40	65	12.75	6	2	40.00	1343.04	2203.38	90.00	0.113994	466.67	0.024427
A	14	Verizon	CommScope	NHH-65B-R2B	Panel	850	LTE	40	60	12.85	6	2	40.00	1374.33	2254.71	90.00	0.115309	566.67	0.020349
A	14	Verizon	CommScope	NHH-65B-R2B	Panel	1900	LTE	40	69	15.75	6	4	40.00	5359.45	8792.65	90.00	0.203040	1000.00	0.020304
A	15	Verizon	CommScope	NHH-65B-R2B	Panel	700	LTE	40	65	12.75	6	2	40.00	1343.04	2203.38	90.00	0.695294	466.67	0.148991
A	15	Verizon	CommScope	NHH-65B-R2B	Panel	850	LTE	40	60	12.85	6	2	40.00	1374.33	2254.71	90.00	0.737124	566.67	0.130081
A	15	Verizon	CommScope	NHH-65B-R2B	Panel	2100	LTE	40	64	16.25	6	4	40.00	6013.40	9865.52	90.00	0.149521	1000.00	0.014952
A	16	Verizon	CommScope	LNX-6514DS-A1M	Panel	850	UMTS	40	64	13.75	6.72	1	40.00	845.40	1386.95	90.00	0.041173	566.67	0.007266
B	17	Verizon	Samsung	MT6407-77A	Panel	3700	5G	190	17	22.85	2.93	4	35.00	24050.72	39457.36	90.00	0.900481	1000.00	0.090048
B	18	Verizon	CommScope	NHH-65B-R2B	Panel	700	LTE	190	65	12.75	6	2	40.00	1343.04	2203.38	90.00	0.062794	466.67	0.013456
B	18	Verizon	CommScope	NHH-65B-R2B	Panel	850	LTE	190	60	12.85	6	2	40.00	1374.33	2254.71	90.00	0.054288	566.67	0.009580
B	18	Verizon	CommScope	NHH-65B-R2B	Panel	1900	LTE	190	69	15.75	6	4	40.00	5359.45	8792.65	90.00	0.117361	1000.00	0.011736
B	19	Verizon	CommScope	NHH-65B-R2B	Panel	700	LTE	190	65	12.75	6	2	40.00	1343.04	2203.38	90.00	0.813678	466.67	0.174359
B	19	Verizon	CommScope	NHH-65B-R2B	Panel	850	LTE	190	60	12.85	6	2	40.00	1374.33	2254.71	90.00	0.904892	566.67	0.159687
B	19	Verizon	CommScope	NHH-65B-R2B	Panel	2100	LTE	190	64	16.25	6	4	40.00	6013.40	9865.52	90.00	0.210559	1000.00	0.021056
B	20	Verizon	CommScope	LNX-6514DS-A1M	Panel	850	UMTS	190	64	13.75	6.72	1	40.00	845.40	1386.95	90.00	0.039078	566.67	0.006896
C	21	Verizon	Samsung	MT6407-77A	Panel	3700	5G	290	17	22.85	2.93	4	35.00	24050.72	39457.36	90.00	0.961614	1000.00	0.096161
C	22	Verizon	CommScope	NHH-65B-R2B	Panel	700	LTE	290	65	12.75	6	2	40.00	1343.04	2203.38	90.00	0.104766	466.67	0.022450
C	22	Verizon	CommScope	NHH-65B-R2B	Panel	850	LTE	290	60	12.85	6	2	40.00	1374.33	2254.71	90.00	0.101675	566.67	0.017943
C	22	Verizon	CommScope	NHH-65B-R2B	Panel	1900	LTE	290	69	15.75	6	4	40.00	5359.45	8792.65	90.00	0.195852	1000.00	0.019585
C	23	Verizon	CommScope	NHH-65B-R2B	Panel	700	LTE	290	65	12.75	6	2	40.00	1343.04	2203.38	90.00	0.837834	466.67	0.179536
C	23	Verizon	CommScope	NHH-65B-R2B	Panel	850	LTE	290	60	12.85	6	2	40.00	1374.33	2254.71	90.00	0.930340	566.67	0.164178
C	23	Verizon	CommScope	NHH-65B-R2B	Panel	2100	LTE	290	64	16.25	6	4	40.00	6013.40	9865.52	90.00	0.221691	1000.00	0.022169
C	24	Verizon	CommScope	LNX-6514DS-A1M	Panel	850	UMTS	290	64	13.75	6.72	1	40.00	845.40	1386.95	90.00	0.026972	566.67	0.004760
A	25	Sprint	Nokia	AAHC_B41	Panel	2500	LTE	30	65	13.05	2.13	8	20.00	975.36	1600.17	110.00	0.041210	1000.00	0.004121
B	26	Sprint	Nokia	AAHC_B41	Panel	2500	LTE	150	65	13.05	2.13	8	20.00	975.36	1600.17	110.00	0.000443	1000.00	0.000044
C	27	Sprint	Nokia	AAHC_B41	Panel	2500	LTE	270	65	13.05	2.13	8	20.00	975.36	1600.17	110.00	0.000509	1000.00	0.000051
C	28	Sprint	Andrew	VHLP2-18	Microwave	18000	Unknown	270	2	33.85	2	1	1.00	2162.72	3548.13	110.00	0.000000	1000.00	0.000000
																Calculated Power Density (μW/cm²)	**10.746441%**	**Calculated MPE%**	**1.6297%**

Table 2.2: Antenna Inventory & Power Data

**NOTE: 75% Duty Cycle and adjusted power reduction factor of 0.32 was applied to the AIR6449 & AIR6449 antennas per guidance from AT&T. Specifications were not available for the Ericsson AIR 6449 antenna. Per AT&T, specifications for the AIR 6449 antenna were used to model the 6449 due to its similarity.*

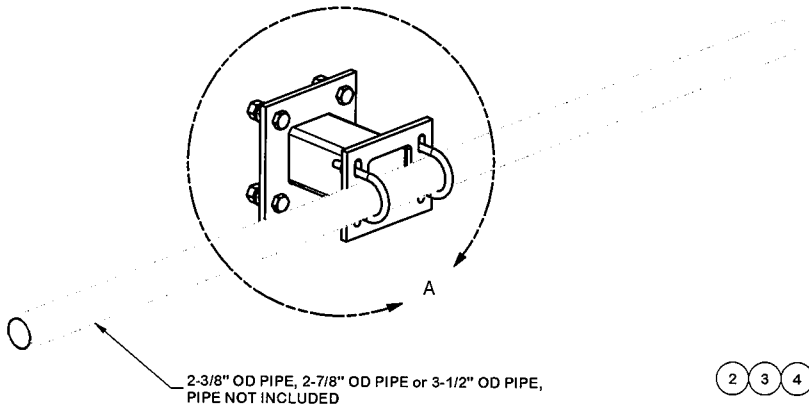
3. Compliance Summary

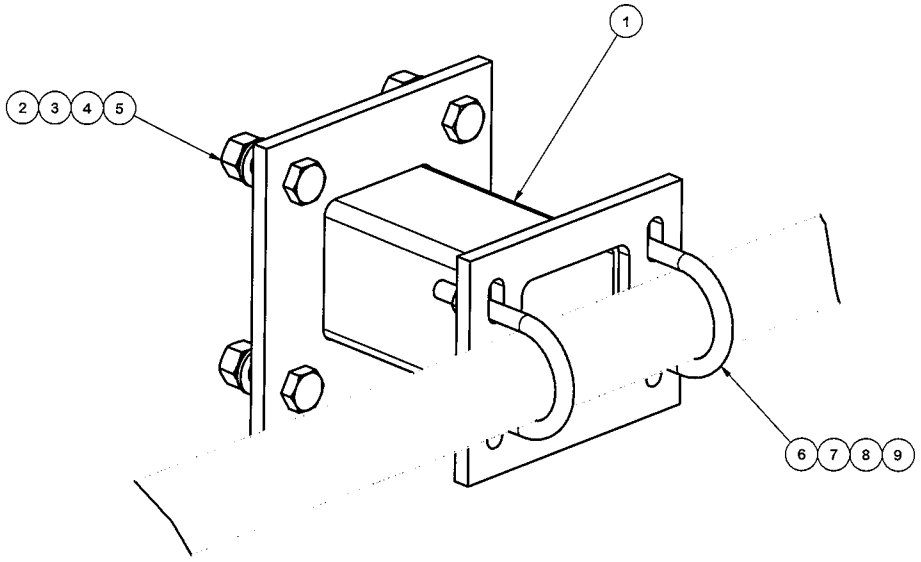
The theoretical calculations performed for this analysis yielded results that were **within** the allowable limits for general public exposure to RF Emissions.

The anticipated composite MPE value for this site assuming all carriers present is 1.6297% of the allowable FCC established general public limit sampled at the ground level.

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 within the allowable 100% threshold standard per the federal government.

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-WWM01	8" STAND-OFF ARM / WALL MOUNT		18.12	18.12
2	4	A582112	5/8" x 2-1/2" HDG A325 HEX BOLT	2 1/2 in	0.33	1.34
3	4	A58FW	5/8" HDG A325 FLATWASHER		0.03	0.14
4	4	G58LW	5/8" HDG LOCKWASHER		0.03	0.10
5	4	A58NUT	5/8" HDG A325 HEX NUT		0.13	0.52
6	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" GALV. U-BOLT		0.66	1.31
6	2	X-UB1300	1/2" X 3" X 5" X 2" GALV U-BOLT		0.70	1.39
6	2	X-UB1358	1/2" X 3-5/8" X 5-1/2" X 3" GALV U-BOLT		0.77	1.54
7	4	G12FW	1/2" HDG USS FLATWASHER		0.03	0.14
8	4	G12LW	1/2" HDG LOCKWASHER		0.01	0.06
9	4	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.29
					TOTAL WT. #	26.06





DETAIL A

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
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DRILLED AND GAS CUT HOLES *(± 0.030")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 0.060")*

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DESCRIPTION: 6" STAND-OFF ANTENNA WALL MOUNT, SITE PRO 1

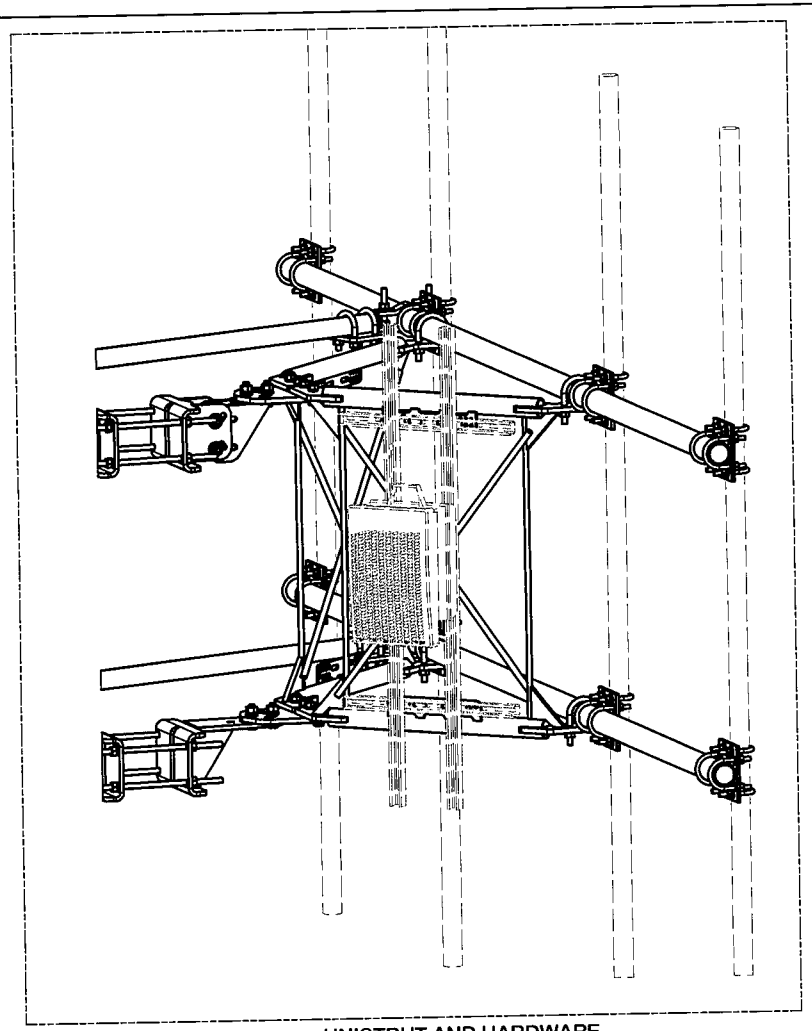
SITE PRO 1 — A valmont COMPANY

Engineering Support Team: 1-888-753-7446

Locations:
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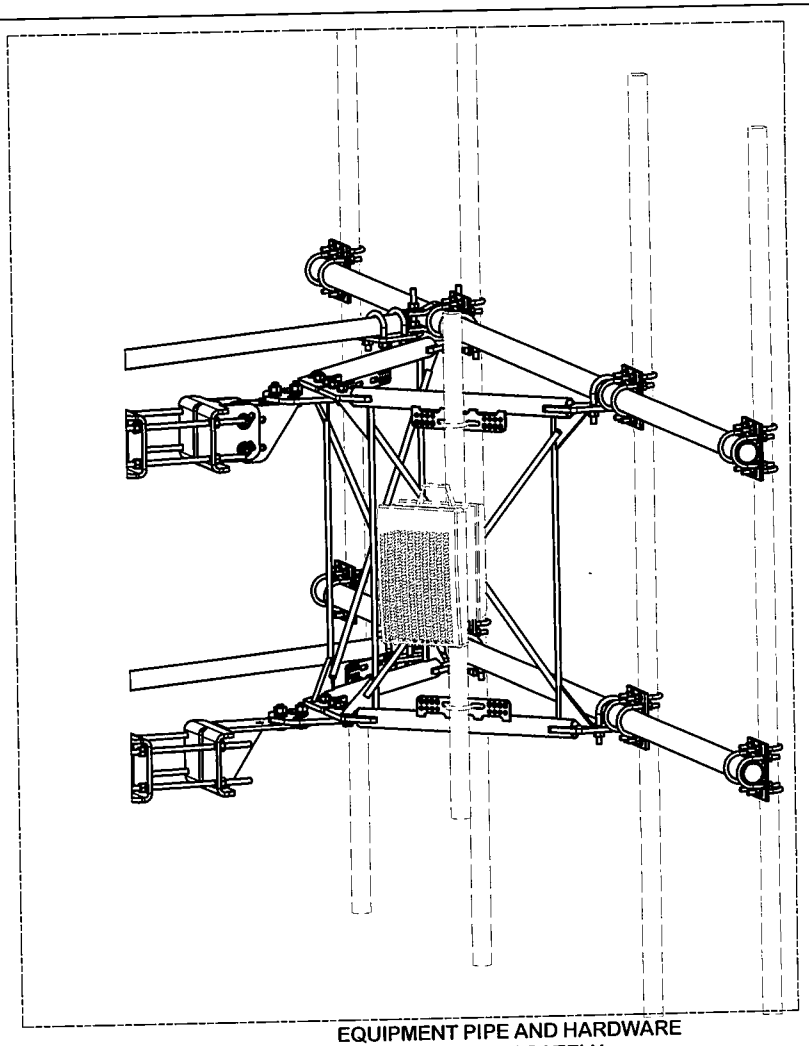
CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
4714	RH18 3/23/2010		MM01	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	BMC 5/10/2010	MM01



UNISTRUT AND HARDWARE
SOLD SEPARATELY.

REQUIRES 3/8" HARDWARE



EQUIPMENT PIPE AND HARDWARE
SOLD SEPARATELY.

REQUIRES 1/2" HARDWARE
AND 2-3/8" TO 4-1/2" O.D. PIPE

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V-FRAME ASSEMBLY W/ TWO STIFF ARMS
AND MOUNT PIPES

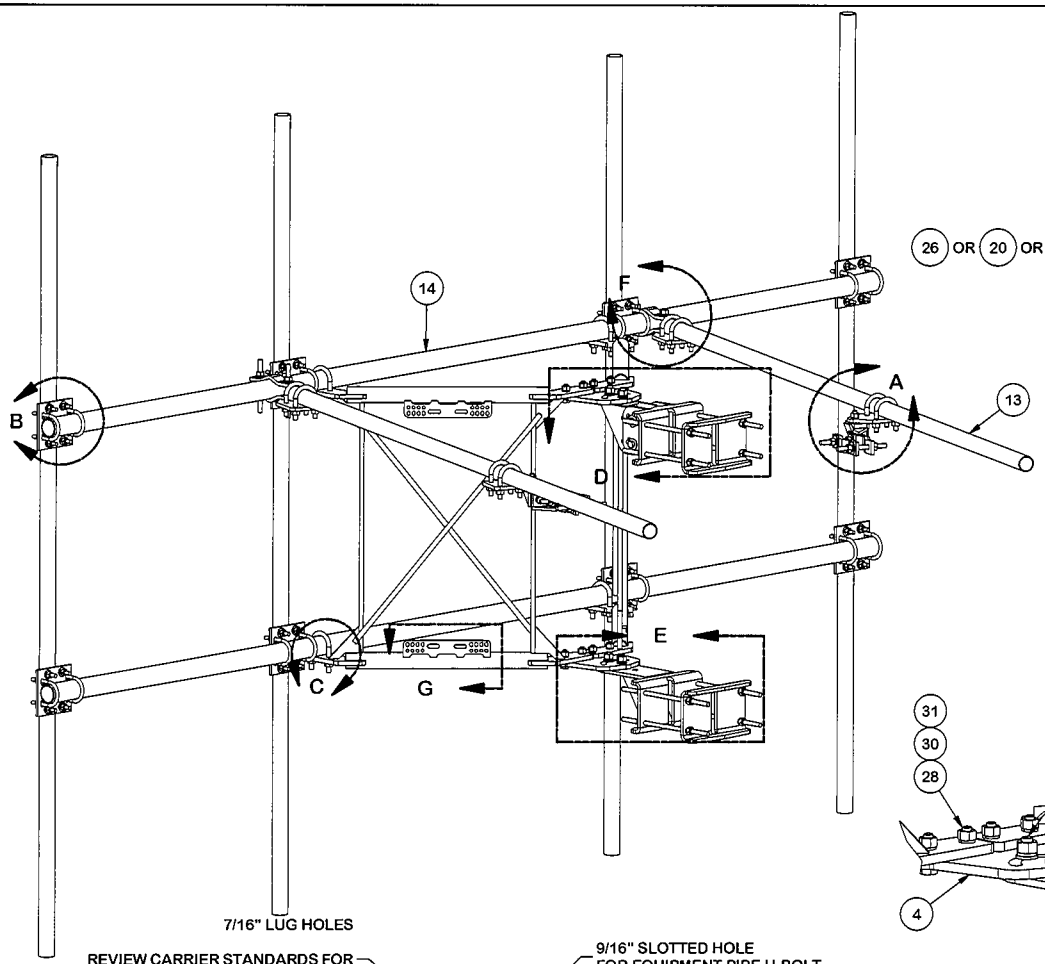
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Support Team:
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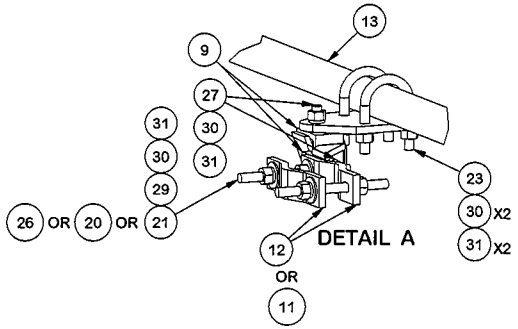
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CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CMFL 12/7/2020		VFA14-H10-2120	5 OF 5

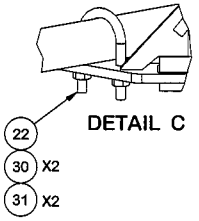
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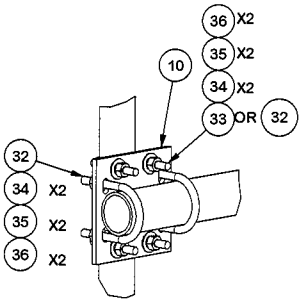
DETAIL G



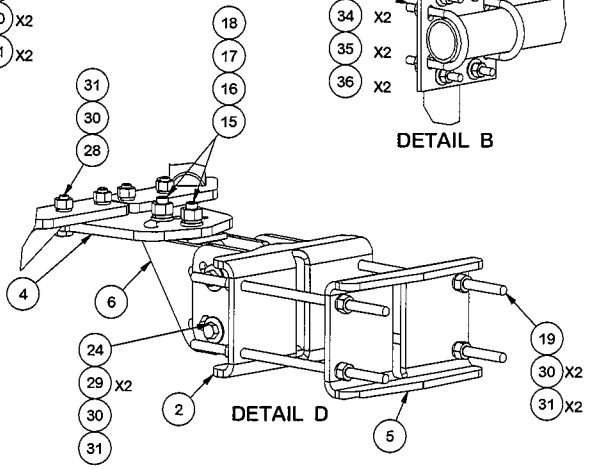
DETAIL A



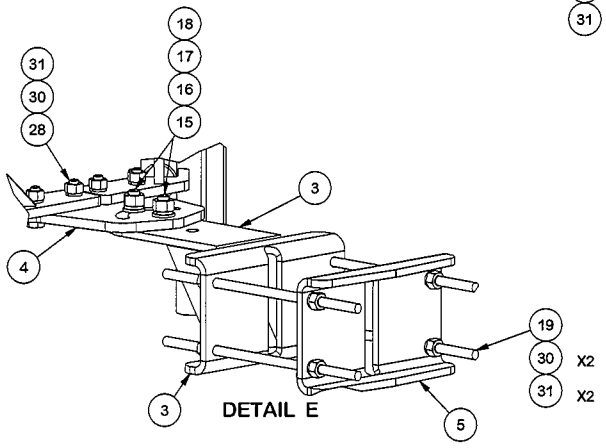
DETAIL C



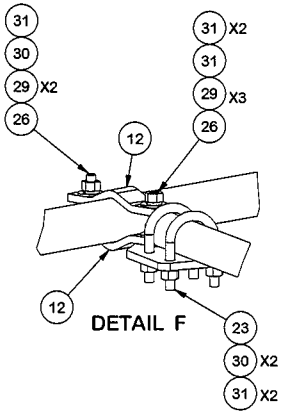
DETAIL B



DETAIL D



DETAIL E



DETAIL F

TOLERANCE NOTES

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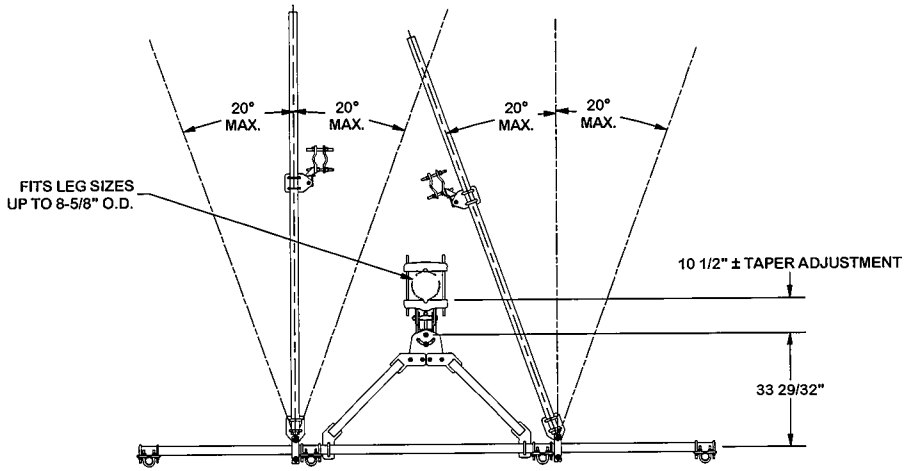
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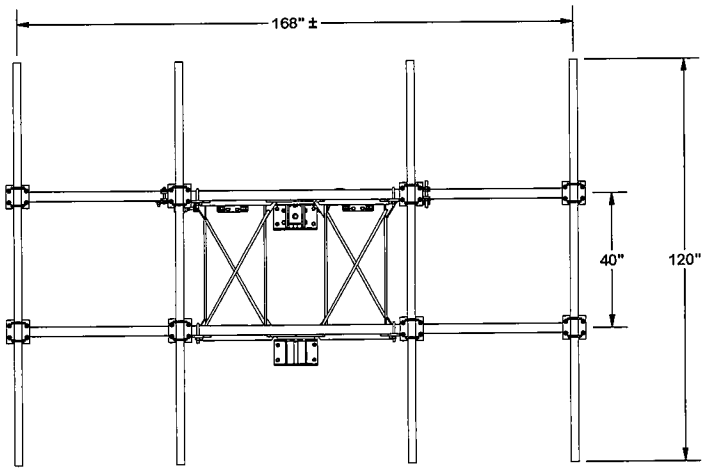
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	CMFL 12/7/2020		VFA14-H10-2120

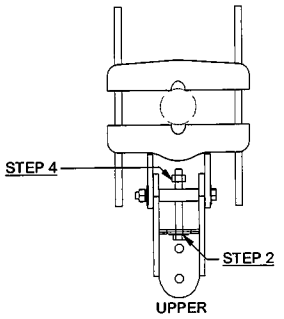
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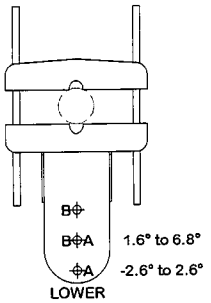


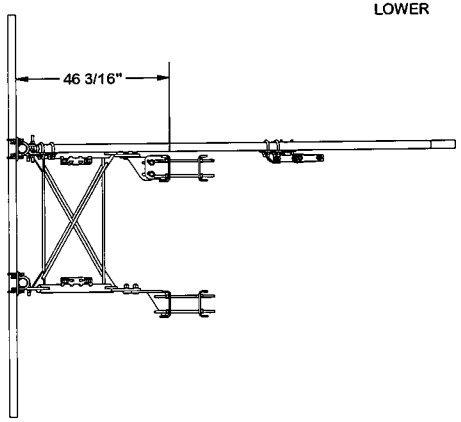


ANGLE CALIBRATING PROCEDURE:

1. MEASURE TOWER TAPER AND PICK LOWER BRACKET HOLE:
   - HOLE A = -2.6° TO 2.6°
   - HOLE B = 1.6° TO 6.8°
2. USE CALIBRATING BOLT TO ADJUST FRAME TO DESIRED TAPER
3. TORQUE LOCKING BOLTS TO 100 ft.-lbs.
4. ADVANCE LOCKING NUT TO POSITIONING PLATE, THEN TIGHTEN.







TOLERANCE NOTES

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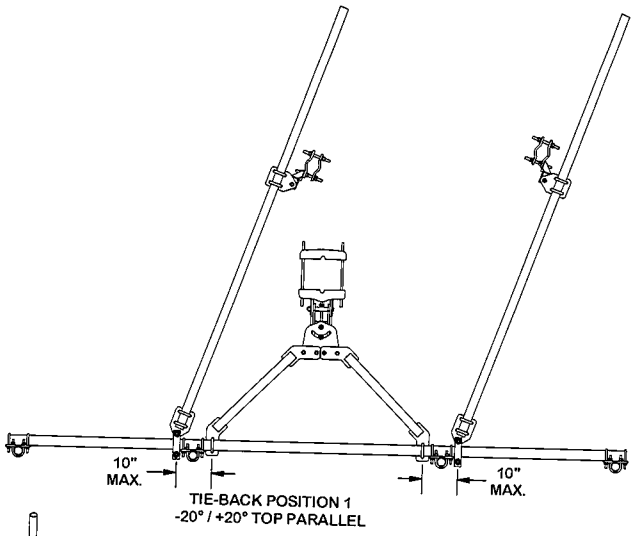
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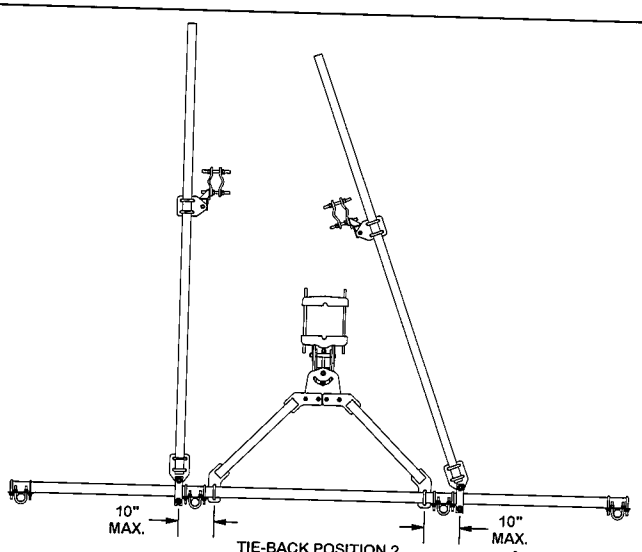
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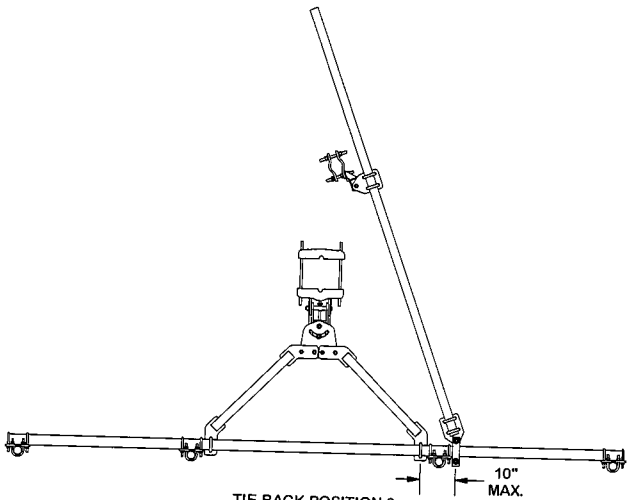
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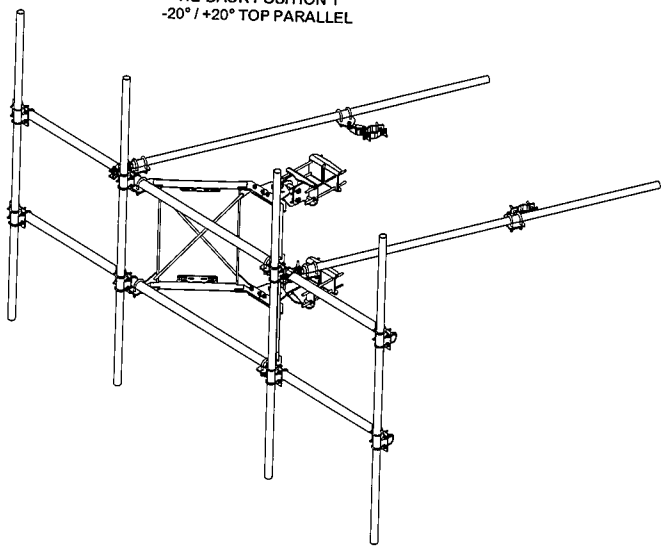
TIE-BACK POSITION 1
-20° / +20° TOP PARALLEL

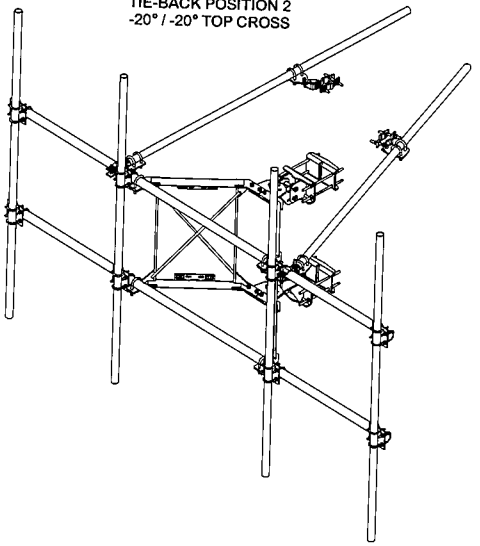


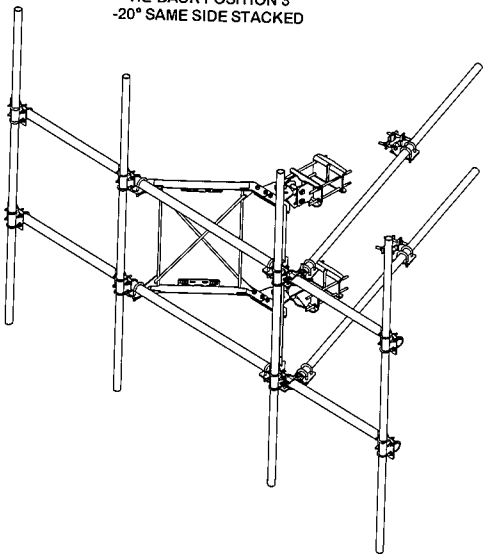
TIE-BACK POSITION 2
-20° / -20° TOP CROSS



TIE-BACK POSITION 3
-20° SAME SIDE STACKED







TIE-BACK POSITIONS

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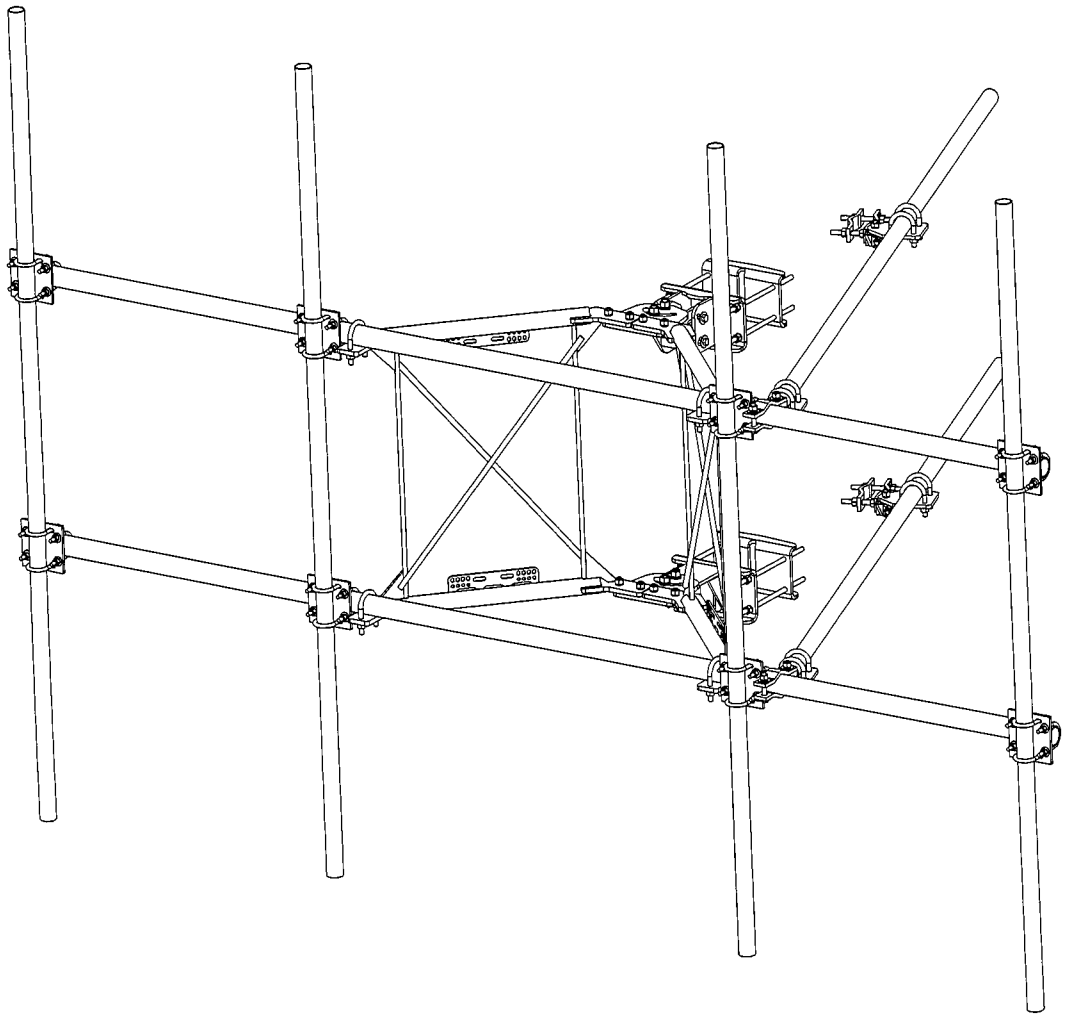
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	CMFL 12/7/2020		VFA14-H10-2120

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
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PARTS LIST

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-VFAW	SUPPORT ARM		71.41	142.81
2	1	X-HDCAMTBW	CLAMP WELDMENT FOR BCAM-HD		33.86	33.86
3	1	X-MHTPHD	MULTI-HOLE TAPER PLATE WELDMENT		36.24	36.24
4	2	X-VFAPL4	VFA-HD PIVOT PLATE	12 in	15.88	31.77
5	2	X-LCBP4	BENT BACKING PLATE	13 in	20.04	40.09
6	1	X-HDCAMSS	ANGLE ADJUSTMENT WELDMENT FOR BCAM-HD		16.39	16.39
7	1	X-HDCAMSP	POSITIONING PLATE WELDMENT FOR BCAM-HD		2.58	2.58
8	4	X-SPTB	SLIDING PIPE TIE BACK PLATE	5 1/2 in	5.87	23.49
9	4	X-TBCA	TIE BACK CLIP ANGLE		2.01	8.02
10	8	SCX2	CROSSOVER PLATE	7 in	4.80	38.37
11	4	MCP	CLAMP HALF 1/2" THICK, 11-5/8" LONG	12 1/16 in	3.59	14.37
12	8	DCP	1/2" THICK, 5-3/4" CNTER TO CENTER CLAMP HALF	8 1/8 in	2.36	18.90
13	2	P2126	2-3/8" X 126" (2" SCH. 40) GALVANIZED PIPE	126 in	40.75	81.50
14	2	P30174	2-7/8" O.D. x 174" SCH. 40 PIPE	174 in	84.20	168.39
15	4	A34212	3/4" x 2-1/2" UNC HEX BOLT (A325)	2 1/2 in	0.48	1.92
16	4	G34FW	3/4" HDG USS FLATWASHER		0.06	0.24
17	4	G34LW	3/4" HDG LOCKWASHER		0.04	0.17
18	4	G34NUT	3/4" HDG HEAVY 2H HEX NUT		0.21	0.85
19	8	G58R-18	5/8" x 18" THREADED ROD (HDG.)		1.57	12.54
20	4	G58R-12	5/8" x 12" THREADED ROD (HDG.)		1.05	4.18
21	6	G58R-8	5/8" x 8" THREADED ROD (HDG.)		0.70	4.18
22	4	X-UB5300	5/8" X 3" X 5-1/4" X 2-1/2" U-BOLT (HDG.)		1.15	4.60
23	8	X-UB5258	5/8" X 2-5/8" X 4-1/2" X 2" U-BOLT (HDG.)		1.00	8.00
24	2	G5807	5/8" x 7" HDG HEX BOLT GR5 FULL THREAD	7 in	0.70	1.41
25	1	G5806	5/8" x 6" HDG HEX BOLT GR5 FULL THREAD	6 in	0.62	0.62
26	8	G5804	5/8" x 4" HDG HEX BOLT GR5		0.44	3.55
27	4	G5802	5/8" x 2" HDG HEX BOLT GR5		0.27	1.08
28	8	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	2.50
29	25	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	1.76
30	68	G58LW	5/8" HDG LOCKWASHER		0.03	1.77
31	73	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	9.48
32	32	X-UB1300	1/2" X 3" X 5" X 2" GALV U-BOLT		0.74	23.64
33	16	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	10.00
34	64	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.18
35	64	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.89
36	64	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	4.58
37	4	P2120	2-3/8" x 120" (2" SCH. 40) GALAVANIZED PIPE	120 in	38.81	155.25
					TOTAL WT. #	912.18

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION: 14' 6" HEAVY DUTY V-FRAME ASSEMBLY W/ TWO STIFF ARMS AND MOUNT PIPES

CPD NO.	DRAWN BY	ENG. APPROVAL
	CMFL 12/7/2020	

CLASS	SUB	DRAWING USAGE	CHECKED BY
87	02	CUSTOMER	BMC 12/14/2017

SITE PRO 1
A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

PART NO. VFA14-H10-2120

DWG. NO. VFA14-H10-2120

APPENDIX C

CUT SHEETS

ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

Ice

Results:

Ice Thickness:	1.50 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Thu Apr 27 2023

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

Seismic

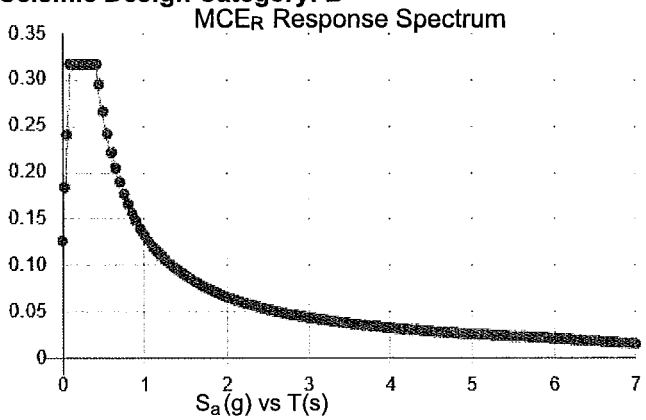
D - Default (see Section 11.4.3)

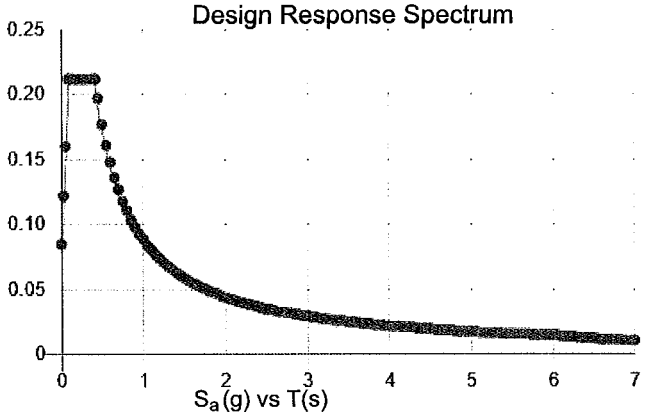
Site Soil Class:

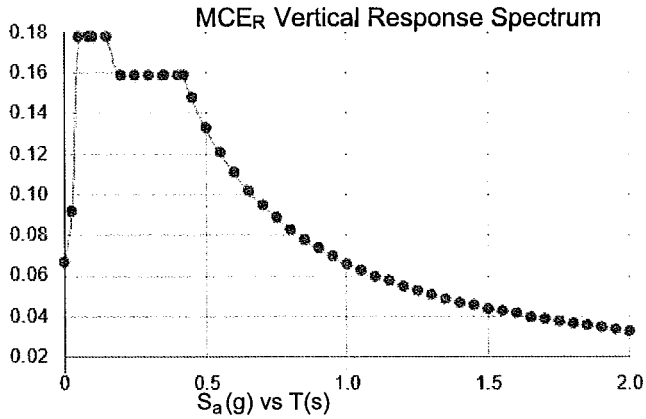
Results:

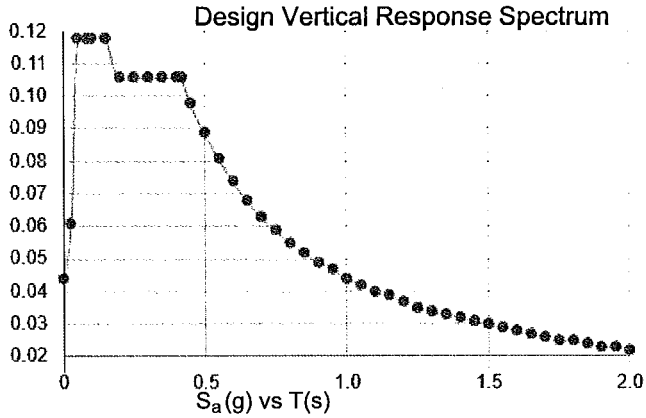
S_S :	0.198	S_{D1} :	0.089
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.108
F_v :	2.4	PGA_M :	0.172
S_{MS} :	0.317	F_{PGA} :	1.583
S_{M1} :	0.133	I_e :	1
S_{DS} :	0.212	C_v :	0.7

Seismic Design Category: B









Data Accessed: **Thu Apr 27 2023**

Date Source:

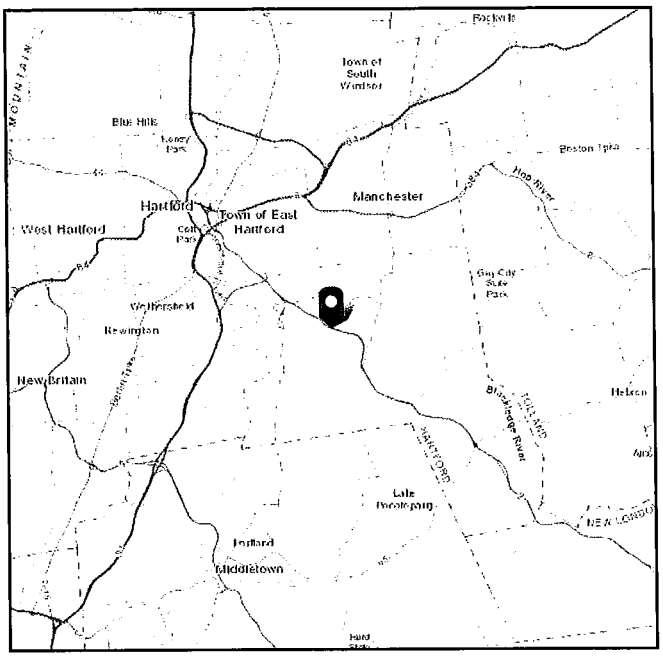
USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.699444
Risk Category:	II	**Longitude:**	-72.564
Soil Class:	D - Default (see Section 11.4.3)	**Elevation:**	260.2821593592125 ft (NAVD 88)





Wind

Results:

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

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed: Thu Apr 27 2023

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).

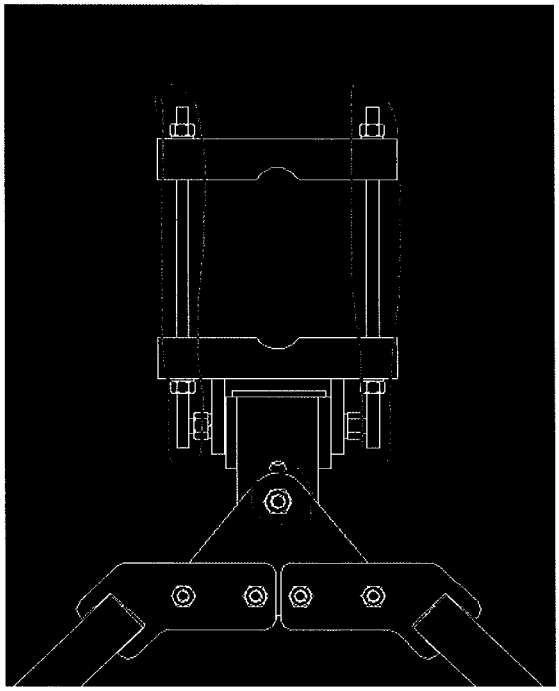
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Job Name: Glastonbury Montano Rd (CTL01809)
TEP No. 315636.844757
Calc: CJB Check: DEN
Date: 4/27/2023

Moment Bolt Group - Support Arm

Bolt Size:	0.625	in
# Bolts:	4	
Plate Width:	-	in
Plate Height:	-	in
Bolt H Gap:	9.5	in
Bolt V Gap:	3.5	in
Plate T:	-	in
Tower Leg Ø:	-	in
Bolt Grade:	A36	
Fu_{bolt}	58	ksi
r:	5.0621	in
J:	23.1652	in^4
$Bolt_{Area}$:	0.307	in^2
$Bolt_{Area, Net Tensile}$:	0.226	in^2
Pretension:	9	kips
Slotted Holes:	No	

Code Checks Per ANSI/TIA-222-H:		
Bolt Group Capacity =	**8.8%**	**GOOD**
Single Bolt Capacity =	**18.2%**	**GOOD**



Bolts:
A325N

Single Bolt Check

Bolt Size:	0.75	in
Bolt F_u:	120	ksi
$Bolt_{A, Net Tensile}$:	0.334	in^2
V_{max}=	3.624	kips
$ØR_{NV}$ =	19.880	kips
T_{max} =	2.678	kips
$ØR_{NT}$ =	30.060	kips

MP-5	2.375	120.00	Round		7.46
MP-6	2.375	120.00	Round		7.46
MP-7	2.375	120.00	Round		7.46
MP-8	2.375	120.00	Round		7.46
RRU-3	2.375	120.00	Round		7.46
RRU-4	2.375	120.00	Round		7.46
SA-4	2.375	89.04	Round	56.55	7.46
SF5-D1	0.875	50.00	Round		2.75
SF5-D1-X	0.875	50.00	Round		2.75
SF6-D1	0.875	50.00	Round		2.75
SF6-D1-X	0.875	50.00	Round		2.75
SF5-V1	0.625	40.00	Round		1.96
SF5-V2	0.625	40.00	Round		1.96
SF6-V1	0.625	40.00	Round		1.96
SF6-V2	0.625	40.00	Round		1.96
SF5-CPB	0.625	4.59	Flat	-53.78	8.25
SF5-CPT	0.625	4.59	Flat	-53.78	8.25
SF6-CPB	0.625	4.59	Flat	-66.22	8.25
SF6-CPT	0.625	4.59	Flat	-66.22	8.25
FFBH-7	2.875	174.00	Round	30.00	9.03
FFBH-8	2.875	174.00	Round	30.00	9.03
FFBH-9	2.875	174.00	Round	30.00	9.03
FFTH-7	2.875	174.00	Round	30.00	9.03
FFTH-8	2.875	174.00	Round	30.00	9.03
FFTH-9	2.875	174.00	Round	30.00	9.03
SA-5	2.375	89.04	Round	-63.45	7.46
SF5-BH	2.375	30.00	Round	-12.62	7.46
SF5-TH	2.375	30.00	Round	-12.62	7.46
SF6-BH	2.375	30.00	Round	72.62	7.46
SF6-TH	2.375	30.00	Round	72.62	7.46
MP-9	2.375	120.00	Round		7.46
MP-10	2.375	120.00	Round		7.46
MP-11	2.375	120.00	Round		7.46
MP-12	2.375	120.00	Round		7.46
RRU-5	2.375	120.00	Round		7.46
RRU-6	2.375	120.00	Round		7.46
SA-6	2.375	89.04	Round	-63.45	7.46
PM-1	3.500	84.00	Round		11.00
MM-1	3.000	8.00	Flat	0.00	12.00
MM-2	3.000	8.00	Flat	0.00	12.00
PM-2	3.500	84.00	Round		11.00
MM-3	3.000	8.00	Flat	60.00	12.00
MM-4	3.000	8.00	Flat	60.00	12.00
PM-3	3.500	84.00	Round		11.00
MM-5	3.000	8.00	Flat	-60.00	12.00
MM-6	3.000	8.00	Flat	-60.00	12.00

TOWER ENGINEERING PROFESSIONALS

Glastonbury Montano Rd (CTL1809)

TEP No.	315636.844757	
Analysis By:	CJB	4/27/2023
Checked By:	DEN	4/27/2023

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

Member Name	Wind Proj. (in)	Length (in)	Shape	θ (°)	Perimeter (in)
SF1-D1	0.875	50.00	Round		2.75
SF1-D1-X	0.875	50.00	Round		2.75
SF2-D1	0.875	50.00	Round		2.75
SF2-D1-X	0.875	50.00	Round		2.75
SF1-V1	0.625	40.00	Round		1.96
SF1-V2	0.625	40.00	Round		1.96
SF2-V1	0.625	40.00	Round		1.96
SF2-V2	0.625	40.00	Round		1.96
SF1-CPB	0.625	4.59	Flat	6.22	8.25
SF1-CPT	0.625	4.59	Flat	6.22	8.25
SF2-CPB	0.625	4.59	Flat	-6.22	8.25
SF2-CPT	0.625	4.59	Flat	-6.22	8.25
FFBH-1	2.875	174.00	Round	90.00	9.03
FFBH-2	2.875	174.00	Round	90.00	9.03
FFBH-3	2.875	174.00	Round	-90.00	9.03
FFTH-1	2.875	174.00	Round	90.00	9.03
FFTH-2	2.875	174.00	Round	90.00	9.03
FFTH-3	2.875	174.00	Round	-90.00	9.03
SA-1	2.375	89.04	Round	-3.45	7.46
SF1-BH	2.375	30.00	Round	47.38	7.46
SF1-TH	2.375	30.00	Round	47.38	7.46
SF2-BH	2.375	30.00	Round	-47.38	7.46
SF2-TH	2.375	30.00	Round	-47.38	7.46
MP-1	2.375	120.00	Round		7.46
MP-2	2.375	120.00	Round		7.46
MP-3	2.375	120.00	Round		7.46
MP-4	2.375	120.00	Round		7.46
RRU-1	2.375	120.00	Round		7.46
RRU-2	2.375	120.00	Round		7.46
SA-2	2.375	89.04	Round	-3.45	7.46
SF3-D1	0.875	50.00	Round		2.75
SF3-D1-X	0.875	50.00	Round		2.75
SF4-D1	0.875	50.00	Round		2.75
SF4-D1-X	0.875	50.00	Round		2.75
SF3-V1	0.625	40.00	Round		1.96
SF3-V2	0.625	40.00	Round		1.96
SF4-V1	0.625	40.00	Round		1.96
SF4-V2	0.625	40.00	Round		1.96
SF3-CPB	0.625	4.59	Flat	66.22	8.25
SF3-CPT	0.625	4.59	Flat	66.22	8.25
SF4-CPB	0.625	4.59	Flat	53.78	8.25
SF4-CPT	0.625	4.59	Flat	53.78	8.25
FFBH-4	2.875	174.00	Round	-30.00	9.03
FFBH-5	2.875	174.00	Round	-30.00	9.03
FFBH-6	2.875	174.00	Round	-30.00	9.03
FFTH-4	2.875	174.00	Round	-30.00	9.03
FFTH-5	2.875	174.00	Round	-30.00	9.03
FFTH-6	2.875	174.00	Round	-30.00	9.03
SA-3	2.375	89.04	Round	56.55	7.46
SF3-BH	2.375	30.00	Round	-72.62	7.46
SF3-TH	2.375	30.00	Round	-72.62	7.46
SF4-BH	2.375	30.00	Round	12.62	7.46
SF4-TH	2.375	30.00	Round	12.62	7.46

TOWER ENGINEERING PROFESSIONALS

Glastonbury Montano Rd (CTL1809)

TEP No.	315636.844757	
Analysis By:	CJB	4/27/2023
Checked By:	DEN	4/27/2023

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

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

										Distance from start node of the member		
MFR	Model	Height (in)	Width (in)	Depth (in)	Wt. (lbs)	Azimuth°	Qty	Shape	Member Label	Location #1 (ft,%)	Location #2 (ft,%)	Location #3 (ft,%)
	Alpha											
CCI ANTENNAS	HPA-65R-BUU-H8	92.40	14.80	7.40	73.00	0.00	1	Flat	MP-1	1.50	8.50	
CCI ANTENNAS	HPA-65R-BUU-H8	92.40	14.80	7.40	73.00	0.00	1	Flat	MP-2	1.50	8.50	
CCI ANTENNAS	OPA65R-BU8DA	96.00	21.00	7.80	76.50	0.00	1	Flat	MP-3	1.50	8.50	
CCI ANTENNAS	OPA65R-BU8DA	96.00	21.00	7.80	76.50	0.00	1	Flat	MP-4	1.50	8.50	
ERICSSON	RRUS 8843 B2/B66A	14.90	13.20	10.90	72.00	315.00	1	Flat	RRU-1	1.00		
ERICSSON	RRUS 4449 B5/B12	17.90	13.19	10.40	71.00	315.00	1	Flat	RRU-1	1.00		
ERICSSON	RRUS 4478 B14	18.10	13.40	8.30	59.90	45.00	1	Flat	RRU-2	5.00		
RAYCAP	DC6-48-60-18-8F	22.25	11.00	11.00	18.90	0.00	2	Round	RRU-2	8.00		
	Beta											
CCI ANTENNAS	HPA-65R-BUU-H8	92.40	14.80	7.40	73.00	120.00	1	Flat	MP-5	1.50	8.50	
CCI ANTENNAS	HPA-65R-BUU-H8	92.40	14.80	7.40	73.00	120.00	1	Flat	MP-6	1.50	8.50	
CCI ANTENNAS	OPA65R-BU8DA	96.00	21.00	7.80	76.50	120.00	1	Flat	MP-7	1.50	8.50	
CCI ANTENNAS	OPA65R-BU8DA	96.00	21.00	7.80	76.50	120.00	1	Flat	MP-8	1.50	8.50	
ERICSSON	RRUS 8843 B2/B66A	14.90	13.20	10.90	72.00	75.00	1	Flat	RRU-3	1.00		
ERICSSON	RRUS 4449 B5/B12	17.90	13.19	10.40	71.00	75.00	1	Flat	RRU-3	1.00		
ERICSSON	RRUS 4478 B14	18.10	13.40	8.30	59.90	165.00	1	Flat	RRU-4	5.00		
RAYCAP	DC6-48-60-18-8F	22.25	11.00	11.00	18.90	120.00	1	Round	RRU-4	8.00		
	Gamma											
CCI ANTENNAS	HPA-65R-BUU-H8	92.40	14.80	7.40	73.00	240.00	1	Flat	MP-9	1.50	8.50	
CCI ANTENNAS	HPA-65R-BUU-H8	92.40	14.80	7.40	73.00	240.00	1	Flat	MP-10	1.50	8.50	
CCI ANTENNAS	OPA65R-BU8DA	96.00	21.00	7.80	76.50	240.00	1	Flat	MP-11	1.50	8.50	
CCI ANTENNAS	OPA65R-BU8DA	96.00	21.00	7.80	76.50	240.00	1	Flat	MP-12	1.50	8.50	
ERICSSON	RRUS 8843 B2/B66A	14.90	13.20	10.90	72.00	285.00	1	Flat	RRU-6	1.00		
ERICSSON	RRUS 4449 B5/B12	17.90	13.19	10.40	71.00	285.00	1	Flat	RRU-6	1.00		
ERICSSON	RRUS 4478 B14	18.10	13.40	8.30	59.90	195.00	1	Flat	RRU-5	5.00		
RAYCAP	DC6-48-60-18-8F	22.25	11.00	11.00	18.90	195.00	1	Round	RRU-5	8.00		

TOWER ENGINEERING PROFESSIONALS

Glastonbury Montano Rd (CTL1809)

TEP No.	315636.844757	
Analysis By:	CJB	4/27/2023
Checked By:	DEN	4/27/2023

Code Revisions:	**TIA-222-H**	**IBC 2021**
Tower Type:	**Monopole**	

Wind Inputs:

Ult. Wind Velocity:	**119**	mph
Live Load Velocity:	**30**	mph
Ice Wind Velocity:	**50**	mph
Base Ice Thickness:	**1.50**	inches
Mount Centerline:	**100.0**	ft
Antenna Centerline:	**100.0**	ft
Exposure Category:	**C**	
Topo Category:	**1**	
Risk Category:	**II**	
Ground Elevation:	**260**	ft

Wind Calculations:

K_{zt}:	**1.000**	Section 2.6.6
K_d:	0.950	
$K_{z\text{-}Mount}$:	1.266	Section 2.6.5.2
$K_{z\text{-}Antenna}$:	1.266	Section 2.6.5.2
K_{iz}:	1.117	Section 2.6.10
Ice Thickness:	1.676	inches - Section 2.6.10
K_e:	0.991	Table 2-6

Without Ice - (psf)		**With Ice - (psf)**	
$(q_zG_h)_{Mount}$:	43.18	**$(q_zG_h)_{Mount}$:**	7.62
$(q_zG_h)_{Antenna}$:	43.18	**$(q_zG_h)_{Antenna}$:**	7.62

APPENDIX B

ADDITIONAL CALCULATIONS

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

	Member	Shape	Code Check	Lo...	Sh...	Lo...		phi*Pnc [...	phi*P...	phi*M...	phi*Mn ...	Cb	Eqn
48	MP-3	PIPE_...	.378	3....	.041	3....		17.855	32.13	1.872	1.872	1.325	H1-1b
49	SF1-V2	SR 5/8	.342	0	.009	0		2.503	9.94	.104	.104	2.404	H1-1a
50	SF3-V2	SR 5/8	.342	0	.003	3....		2.503	9.94	.104	.104	2.897	H1-1a
51	MP-9	PIPE_...	.329	3....	.036	3....		17.855	32.13	1.872	1.872	1.567	H1-1b
52	MP-6	PIPE_...	.329	3....	.032	3....		17.855	32.13	1.872	1.872	1.444	H1-1b
53	SF5-V2	SR 5/8	.328	3....	.003	0		2.503	9.94	.104	.104	2.214	H1-1a
54	MP-10	PIPE_...	.327	3....	.032	3....		17.855	32.13	1.872	1.872	1.432	H1-1b
55	MP-5	PIPE_...	.326	3....	.036	3....		17.855	32.13	1.872	1.872	1.572	H1-1b
56	SF1-C...	PL3.5...	.322	0	.188	3...	y	68.496	70.875	.923	5.168	1.666	H1-1b
57	SF3-C...	PL3.5...	.322	0	.187	3...	y	68.496	70.875	.923	5.168	1.667	H1-1b
58	SF5-C...	PL3.5...	.321	0	.185	3...	y	68.496	70.875	.923	5.168	1.667	H1-1b
59	MP-1	PIPE_...	.313	6....	.036	3....		17.855	32.13	1.872	1.872	1.33	H1-1b
60	MP-2	PIPE_...	.305	3....	.035	6....		17.855	32.13	1.872	1.872	1.329	H1-1b
61	SF1-V1	SR 5/8	.299	3....	.004	3....		2.503	9.94	.104	.104	2.399	H1-1a
62	SF3-V1	SR 5/8	.298	3....	.003	0		2.503	9.94	.104	.104	1.882	H1-1a
63	SF4-C...	PL3.5...	.279	0	.152	0	y	68.496	70.875	.923	5.168	1.668	H1-1b
64	SF2-C...	PL3.5...	.274	0	.185	0	y	68.496	70.875	.923	5.168	1.667	H1-1b
65	SF6-C...	PL3.5...	.267	0	.150	0	y	68.496	70.875	.923	5.168	1.668	H1-1b
66	SF5-V1	SR 5/8	.243	3....	.003	3....		2.503	9.94	.104	.104	2.446	H1-1a
67	RRU-6	PIPE_...	.211	3....	.020	3....		17.855	32.13	1.872	1.872	2.428	H1-1b
68	RRU-1	PIPE_...	.208	3....	.021	3....		17.855	32.13	1.872	1.872	2.567	H1-1b
69	RRU-3	PIPE_...	.207	3....	.020	3....		17.855	32.13	1.872	1.872	3.085	H1-1b
70	SF1-C...	PL3.5...	.205	0	.129	3...	y	68.496	70.875	.923	5.168	1.666	H1-1b
71	SF3-C...	PL3.5...	.205	0	.128	3...	y	68.496	70.875	.923	5.168	1.666	H1-1b
72	SF5-C...	PL3.5...	.202	0	.132	3...	y	68.496	70.875	.923	5.168	1.667	H1-1b
73	SF5-BH	PIPE_...	.172	2.5	.145	2.5		29.81	32.13	1.872	1.872	3.131	H1-1b
74	SF1-BH	PIPE_...	.171	2.5	.148	2.5		29.81	32.13	1.872	1.872	3.074	H1-1b
75	SF3-BH	PIPE_...	.171	2.5	.148	2.5		29.81	32.13	1.872	1.872	3.016	H1-1b
76	SA-4	PIPE_...	.155	7....	.040	7....		16.604	32.13	1.872	1.872	3.001	H1-1b
77	SF3-TH	PIPE_...	.151	1....	.129	.1...		29.81	32.13	1.872	1.872	1.697	H1-1b
78	SA-5	PIPE_...	.151	7....	.039	7....		16.604	32.13	1.872	1.872	1.569	H1-1b
79	SF1-TH	PIPE_...	.148	2....	.127	.1...		29.81	32.13	1.872	1.872	2.233	H1-1b
80	SF5-TH	PIPE_...	.146	2....	.085	2....		29.81	32.13	1.872	1.872	2.306	H1-1b
81	SA-6	PIPE_...	.145	7....	.040	7....		16.604	32.13	1.872	1.872	2.975	H1-1b
82	SF2-D...	7/8 SR	.129	0	.011	4....		6.154	19.483	.284	.284	3.281	H1-1b*
83	SF6-D...	7/8 SR	.129	0	.011	4....		6.154	19.483	.284	.284	3.188	H1-1b*
84	SF4-D...	7/8 SR	.127	0	.009	4....		6.154	19.483	.284	.284	3.207	H1-1b*
85	SF1-D...	7/8 SR	.107	0	.012	4....		6.154	19.483	.284	.284	2.923	H1-1b*
86	SF3-D...	7/8 SR	.106	0	.014	4....		6.154	19.483	.284	.284	2.944	H1-1b*
87	SF5-D...	7/8 SR	.103	0	.012	4....		6.154	19.483	.284	.284	2.931	H1-1b*
88	RRU-2	PIPE_...	.083	6....	.017	6....		17.855	32.13	1.872	1.872	2.638	H1-1b
89	RRU-4	PIPE_...	.072	6....	.011	6....		17.855	32.13	1.872	1.872	2.545	H1-1b
90	SA-3	PIPE_...	.064	0	2.037	7....		16.604	32.13	1.872	1.872	1.136	H1-1b*
91	SA-1	PIPE_...	.062	3....	.052	0		16.604	32.13	1.872	1.872	1.136	H1-1b
92	SA-2	PIPE_...	.061	3....	.052	0		16.604	32.13	1.872	1.872	1.136	H1-1b
93	RRU-5	PIPE_...	.056	6....	.011	6....		17.855	32.13	1.872	1.872	2.103	H1-1b
94	SF2-D1	7/8 SR	.025	0	.008	4....		6.154	19.483	.284	.284	2.516	H1-1b*
95	SF4-D1	7/8 SR	.024	0	.005	4....	3	6.154	19.483	.284	.284	2.498	H1-1b*
96	SF6-D1	7/8 SR	.022	0	6.003	4....	8	6.154	19.483	.284	.284	2.434	H1-1b*
97	SF5-D1	7/8 SR	.000	0	4.011	4....	4	6.154	19.483	.284	.284	2.609	H1-1b*
98	SF1-D1	7/8 SR	.000	0	.000	0		6.154	19.483	.284	.284	1	H1-1a
99	SF3-D1	7/8 SR	.000	0	.000	0		6.154	19.483	.284	.284	1	H1-1a

Envelope None Cold Formed Steel Code Checks

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

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,%]
161	SF5-D1-X	Z	.001	.001	0	%100
162	SF6-D1	Z	.001	.001	0	%100
163	SF6-D1-X	Z	.001	.001	0	%100
164	SF5-V1	Z	.001	.001	0	%100
165	SF5-V2	Z	.001	.001	0	%100
166	SF6-V1	Z	.001	.001	0	%100
167	SF6-V2	Z	.001	.001	0	%100
168	SF5-CPB	Z	.002	.002	0	%100
169	SF5-CPT	Z	.002	.002	0	%100
170	SF6-CPB	Z	.002	.002	0	%100
171	SF6-CPT	Z	.002	.002	0	%100
172	FFBH-7	Z	0	0	0	%100
173	FFBH-8	Z	0	0	0	%100
174	FFBH-9	Z	0	0	0	%100
175	FFTH-7	Z	0	0	0	%100
176	FFTH-8	Z	0	0	0	%100
177	FFTH-9	Z	0	0	0	%100
178	SA-5	Z	.001	.001	0	%100
179	SF5-BH	Z	.00095	.00095	0	%100
180	SF5-TH	Z	.00095	.00095	0	%100
181	SF6-BH	Z	.000863	.000863	0	%100
182	SF6-TH	Z	.000863	.000863	0	%100
183	MP-9	Z	.002	.002	0	%100
184	MP-10	Z	.002	.002	0	%100
185	MP-11	Z	.002	.002	0	%100
186	MP-12	Z	.002	.002	0	%100
187	RRU-5	Z	.002	.002	0	%100
188	RRU-6	Z	.002	.002	0	%100
189	SA-6	Z	.001	.001	0	%100
190	PM-1	Z	.002	.002	0	%100
191	MM-1	Z	.002	.002	0	%100
192	MM-2	Z	.002	.002	0	%100
193	PM-2	Z	.002	.002	0	%100
194	MM-3	Z	.002	.002	0	%100
195	MM-4	Z	.002	.002	0	%100
196	PM-3	Z	.002	.002	0	%100
197	MM-5	Z	.003	.003	0	%100
198	MM-6	Z	.003	.003	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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	SF1-1	max	2.128	3	2.532	42	1.734	20	0	98	0	98	0	98
2		min	-3.199	27	-1.224	3	-1.714	12	0	1	0	1	0	1
3	SF1-2	max	3.042	19	2.678	34	1.613	3	0	98	0	98	0	98
4		min	-1.954	11	-1.166	11	-1.618	27	0	1	0	1	0	1
5	N55	max	3.008	33	2.467	49	1.217	8	0	98	0	98	0	98
6		min	-2.493	9	-1.273	9	-2.132	32	0	1	0	1	0	1
7	N56	max	2.364	17	2.614	41	2.082	40	0	98	0	98	0	98
8		min	-2.896	25	-1.213	17	-1.052	16	0	1	0	1	0	1
9	N109	max	1.056	35	2.416	37	3.583	22	0	98	0	98	0	98

Envelope Joint Reactions (Continued)

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
10		min	-.524	11	-1.258	14	-2.654	14	0	1	0	1	0	1
11	N110	max	.45	3	2.579	45	2.519	6	0	98	0	98	0	98
12		min	-1.036	43	-1.194	6	-3.47	30	0	1	0	1	0	1
13	Totals:	max	9.366	18	12.505	49	9.298	22						
14		min	-9.366	26	2.826	83	-9.298	14						

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

	Member	Shape	Code Check	Lo...	Sh...	Lo...		phi*Pnc [...	phi*P...	phi*M...	phi*Mn ...	Cb	Eqn
1	SF6-V1	SR 5/8	.818	3	.003	0		2.503	9.94	.104	.104	1.133	H1-1a
2	SF2-V1	SR 5/8	.774	3	.003	0		2.503	9.94	.104	.104	2.07	H1-1a
3	SF4-V1	SR 5/8	.767	3	.002	3		2.503	9.94	.104	.104	2.407	H1-1a
4	PM-1	PIPE_...	.588	1	.402	8		63.684	65.205	5.749	5.749	1.714	H3-6
5	FFTH-5	PIPE_...	.579	5	.042	5	8	41.333	50.715	3.596	3.596	3.02	H1-1b
6	PM-3	PIPE_...	.577	1	.397	8		63.684	65.205	5.749	5.749	1.589	H3-6
7	FFTH-6	PIPE_...	.574	0	.082	0		22.464	50.715	3.596	3.596	1.916	H1-1b
8	FFTH-2	PIPE_...	.562	5	.039	5		41.333	50.715	3.596	3.596	3.001	H1-1b
9	FFBH-5	PIPE_...	.557	5	.042	5		41.333	50.715	3.596	3.596	3.416	H1-1b
10	FFTH-3	PIPE_...	.557	0	.080	0		22.464	50.715	3.596	3.596	1.916	H1-1b
11	FFTH-8	PIPE_...	.556	5	.036	5		41.333	50.715	3.596	3.596	3.184	H1-1b
12	FFBH-8	PIPE_...	.556	5	.042	5		41.333	50.715	3.596	3.596	3.242	H1-1b
13	FFBH-6	PIPE_...	.554	0	.074	0		22.464	50.715	3.596	3.596	1.358	H1-1b
14	FFBH-9	PIPE_...	.554	0	.073	0		22.464	50.715	3.596	3.596	1.351	H1-1b
15	FFTH-9	PIPE_...	.550	0	.074	0		22.464	50.715	3.596	3.596	1.916	H1-1b
16	FFBH-2	PIPE_...	.543	5	.041	5		41.333	50.715	3.596	3.596	3.432	H1-1b
17	FFBH-3	PIPE_...	.541	0	.073	0		22.464	50.715	3.596	3.596	1.375	H1-1b
18	PM-2	PIPE_...	.492	1	.389	8		63.684	65.205	5.749	5.749	1.508	H3-6
19	MP-4	PIPE_...	.464	6	.058	6		17.855	32.13	1.872	1.872	1.841	H1-1b
20	SF4-BH	PIPE_...	.451	0	.244	0		29.81	32.13	1.872	1.872	3.522	H1-1b
21	SF6-BH	PIPE_...	.443	0	.258	0		29.81	32.13	1.872	1.872	3.524	H1-1b
22	SF4-TH	PIPE_...	.433	0	.228	1		29.81	32.13	1.872	1.872	2.926	H1-1b
23	SF2-BH	PIPE_...	.428	0	.248	0		29.81	32.13	1.872	1.872	3.442	H1-1b
24	SF4-C...	PL3.5...	.423	0	.218	0	y	68.496	70.875	.923	5.168	1.668	H1-1b
25	SF2-C...	PL3.5...	.423	0	.248	0	y	68.496	70.875	.923	5.168	1.667	H1-1b
26	SF6-V2	SR 5/8	.422	3	.004	0		2.503	9.94	.104	.104	2.878	H1-1a
27	MM-6	HSS3...	.420	6	.121	0	y	77.987	78.246	6.796	6.796	1.666	H1-1b
28	SF2-V2	SR 5/8	.418	3	.011	3		2.503	9.94	.104	.104	2.352	H1-1a
29	MM-2	HSS3...	.416	6	.125	0	y	77.987	78.246	6.796	6.796	1.666	H1-1b
30	MP-8	PIPE_...	.415	6	.040	3		17.855	32.13	1.872	1.872	1.456	H1-1b
31	MP-12	PIPE_...	.415	3	.041	3		17.855	32.13	1.872	1.872	1.463	H1-1b
32	MM-1	HSS3...	.414	6	.118	0	y	77.987	78.246	6.796	6.796	1.666	H1-1b
33	SF6-C...	PL3.5...	.414	0	.221	0	y	68.496	70.875	.923	5.168	1.668	H1-1b
34	MM-4	HSS3...	.413	6	.122	0	y	77.987	78.246	6.796	6.796	1.666	H1-1b
35	SF4-V2	SR 5/8	.411	0	.004	3		2.503	9.94	.104	.104	2.751	H1-1a
36	MM-5	HSS3...	.411	6	.113	0	y	77.987	78.246	6.796	6.796	1.666	H1-1b
37	MM-3	HSS3...	.406	6	.115	0	y	77.987	78.246	6.796	6.796	1.666	H1-1b
38	SF6-TH	PIPE_...	.402	0	.246	1		29.81	32.13	1.872	1.872	2.084	H1-1b
39	SF2-TH	PIPE_...	.402	0	.227	1		29.81	32.13	1.872	1.872	2.926	H1-1b
40	MP-7	PIPE_...	.400	3	.042	3		17.855	32.13	1.872	1.872	1.494	H1-1b
41	MP-11	PIPE_...	.398	6	.040	3		17.855	32.13	1.872	1.872	1.496	H1-1b
42	FFBH-4	PIPE_...	.397	4	.030	4		22.464	50.715	3.596	3.596	2.299	H1-1b
43	FFBH-1	PIPE_...	.396	4	.030	4		22.464	50.715	3.596	3.596	2.304	H1-1b
44	FFTH-7	PIPE_...	.394	4	.031	4		22.464	50.715	3.596	3.596	2.206	H1-1b
45	FFBH-7	PIPE_...	.393	4	.028	4		22.464	50.715	3.596	3.596	2.335	H1-1b
46	FFTH-4	PIPE_...	.390	4	.029	4		22.464	50.715	3.596	3.596	2.215	H1-1b
47	FFTH-1	PIPE_...	.390	4	.029	4		22.464	50.715	3.596	3.596	2.218	H1-1b

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,%]
47	FFTH-5	X	-.003	-.003	0	%100
48	FFTH-6	X	-.003	-.003	0	%100
49	SA-3	X	-.001	-.001	0	%100
50	SF3-BH	X	-.002	-.002	0	%100
51	SF3-TH	X	-.002	-.002	0	%100
52	SF4-BH	X	-.000659	-.000659	0	%100
53	SF4-TH	X	-.000659	-.000659	0	%100
54	MP-5	X	-.003	-.003	0	%100
55	MP-6	X	-.003	-.003	0	%100
56	MP-7	X	-.003	-.003	0	%100
57	MP-8	X	-.003	-.003	0	%100
58	RRU-3	X	-.003	-.003	0	%100
59	RRU-4	X	-.003	-.003	0	%100
60	SA-4	X	-.001	-.001	0	%100
61	SF5-D1	X	-.002	-.002	0	%100
62	SF5-D1-X	X	-.002	-.002	0	%100
63	SF6-D1	X	-.002	-.002	0	%100
64	SF6-D1-X	X	-.002	-.002	0	%100
65	SF5-V1	X	-.002	-.002	0	%100
66	SF5-V2	X	-.002	-.002	0	%100
67	SF6-V1	X	-.002	-.002	0	%100
68	SF6-V2	X	-.002	-.002	0	%100
69	SF5-CPB	X	-.004	-.004	0	%100
70	SF5-CPT	X	-.004	-.004	0	%100
71	SF6-CPB	X	-.004	-.004	0	%100
72	SF6-CPT	X	-.004	-.004	0	%100
73	FFBH-7	X	0	0	0	%100
74	FFBH-8	X	0	0	0	%100
75	FFBH-9	X	0	0	0	%100
76	FFTH-7	X	0	0	0	%100
77	FFTH-8	X	0	0	0	%100
78	FFTH-9	X	0	0	0	%100
79	SA-5	X	-.003	-.003	0	%100
80	SF5-BH	X	-.001	-.001	0	%100
81	SF5-TH	X	-.001	-.001	0	%100
82	SF6-BH	X	-.002	-.002	0	%100
83	SF6-TH	X	-.002	-.002	0	%100
84	MP-9	X	-.003	-.003	0	%100
85	MP-10	X	-.003	-.003	0	%100
86	MP-11	X	-.003	-.003	0	%100
87	MP-12	X	-.003	-.003	0	%100
88	RRU-5	X	-.003	-.003	0	%100
89	RRU-6	X	-.003	-.003	0	%100
90	SA-6	X	-.003	-.003	0	%100
91	PM-1	X	-.003	-.003	0	%100
92	MM-1	X	-.003	-.003	0	%100
93	MM-2	X	-.003	-.003	0	%100
94	PM-2	X	-.003	-.003	0	%100
95	MM-3	X	-.003	-.003	0	%100
96	MM-4	X	-.003	-.003	0	%100
97	PM-3	X	-.003	-.003	0	%100
98	MM-5	X	-.005	-.005	0	%100
99	MM-6	X	-.005	-.005	0	%100
100	SF1-D1	Z	.001	.001	0	%100
101	SF1-D1-X	Z	.001	.001	0	%100
102	SF2-D1	Z	.001	.001	0	%100
103	SF2-D1-X	Z	.001	.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
104	SF1-V1	Z	.001	.001	0	%100
105	SF1-V2	Z	.001	.001	0	%100
106	SF2-V1	Z	.001	.001	0	%100
107	SF2-V2	Z	.001	.001	0	%100
108	SF1-CPB	Z	.000951	.000951	0	%100
109	SF1-CPT	Z	.000951	.000951	0	%100
110	SF2-CPB	Z	.001	.001	0	%100
111	SF2-CPT	Z	.001	.001	0	%100
112	FFBH-1	Z	.001	.001	0	%100
113	FFBH-2	Z	.002	.002	0	%100
114	FFBH-3	Z	.001	.001	0	%100
115	FFTH-1	Z	.001	.001	0	%100
116	FFTH-2	Z	.002	.002	0	%100
117	FFTH-3	Z	.001	.001	0	%100
118	SA-1	Z	.000938	.000938	0	%100
119	SF1-BH	Z	.0004	.0004	0	%100
120	SF1-TH	Z	.0004	.0004	0	%100
121	SF2-BH	Z	.001	.001	0	%100
122	SF2-TH	Z	.001	.001	0	%100
123	MP-1	Z	.002	.002	0	%100
124	MP-2	Z	.002	.002	0	%100
125	MP-3	Z	.002	.002	0	%100
126	MP-4	Z	.002	.002	0	%100
127	RRU-1	Z	.002	.002	0	%100
128	RRU-2	Z	.002	.002	0	%100
129	SA-2	Z	.000938	.000938	0	%100
130	SF3-D1	Z	.001	.001	0	%100
131	SF3-D1-X	Z	.001	.001	0	%100
132	SF4-D1	Z	.001	.001	0	%100
133	SF4-D1-X	Z	.001	.001	0	%100
134	SF3-V1	Z	.001	.001	0	%100
135	SF3-V2	Z	.001	.001	0	%100
136	SF4-V1	Z	.001	.001	0	%100
137	SF4-V2	Z	.001	.001	0	%100
138	SF3-CPB	Z	.001	.001	0	%100
139	SF3-CPT	Z	.001	.001	0	%100
140	SF4-CPB	Z	.000951	.000951	0	%100
141	SF4-CPT	Z	.000951	.000951	0	%100
142	FFBH-4	Z	.002	.002	0	%100
143	FFBH-5	Z	.002	.002	0	%100
144	FFBH-6	Z	.002	.002	0	%100
145	FFTH-4	Z	.002	.002	0	%100
146	FFTH-5	Z	.002	.002	0	%100
147	FFTH-6	Z	.002	.002	0	%100
148	SA-3	Z	.000644	.000644	0	%100
149	SF3-BH	Z	.001	.001	0	%100
150	SF3-TH	Z	.001	.001	0	%100
151	SF4-BH	Z	.000419	.000419	0	%100
152	SF4-TH	Z	.000419	.000419	0	%100
153	MP-5	Z	.002	.002	0	%100
154	MP-6	Z	.002	.002	0	%100
155	MP-7	Z	.002	.002	0	%100
156	MP-8	Z	.002	.002	0	%100
157	RRU-3	Z	.002	.002	0	%100
158	RRU-4	Z	.002	.002	0	%100
159	SA-4	Z	.000644	.000644	0	%100
160	SF5-D1	Z	.001	.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
135	SF3-V2	Z	.002	.002	0	%100
136	SF4-V1	Z	.002	.002	0	%100
137	SF4-V2	Z	.002	.002	0	%100
138	SF3-CPB	Z	.001	.001	0	%100
139	SF3-CPT	Z	.001	.001	0	%100
140	SF4-CPB	Z	.000509	.000509	0	%100
141	SF4-CPT	Z	.000509	.000509	0	%100
142	FFBH-4	Z	.003	.003	0	%100
143	FFBH-5	Z	.003	.003	0	%100
144	FFBH-6	Z	.003	.003	0	%100
145	FFTH-4	Z	.003	.003	0	%100
146	FFTH-5	Z	.003	.003	0	%100
147	FFTH-6	Z	.003	.003	0	%100
148	SA-3	Z	.000408	.000408	0	%100
149	SF3-BH	Z	.002	.002	0	%100
150	SF3-TH	Z	.002	.002	0	%100
151	SF4-BH	Z	.001	.001	0	%100
152	SF4-TH	Z	.001	.001	0	%100
153	MP-5	Z	.003	.003	0	%100
154	MP-6	Z	.003	.003	0	%100
155	MP-7	Z	.003	.003	0	%100
156	MP-8	Z	.003	.003	0	%100
157	RRU-3	Z	.003	.003	0	%100
158	RRU-4	Z	.003	.003	0	%100
159	SA-4	Z	.000408	.000408	0	%100
160	SF5-D1	Z	.002	.002	0	%100
161	SF5-D1-X	Z	.002	.002	0	%100
162	SF6-D1	Z	.002	.002	0	%100
163	SF6-D1-X	Z	.002	.002	0	%100
164	SF5-V1	Z	.002	.002	0	%100
165	SF5-V2	Z	.002	.002	0	%100
166	SF6-V1	Z	.002	.002	0	%100
167	SF6-V2	Z	.002	.002	0	%100
168	SF5-CPB	Z	.003	.003	0	%100
169	SF5-CPT	Z	.003	.003	0	%100
170	SF6-CPB	Z	.003	.003	0	%100
171	SF6-CPT	Z	.003	.003	0	%100
172	FFBH-7	Z	.000793	.000793	0	%100
173	FFBH-8	Z	.000793	.000793	0	%100
174	FFBH-9	Z	.000793	.000793	0	%100
175	FFTH-7	Z	.000793	.000793	0	%100
176	FFTH-8	Z	.000793	.000793	0	%100
177	FFTH-9	Z	.000793	.000793	0	%100
178	SA-5	Z	.002	.002	0	%100
179	SF5-BH	Z	.002	.002	0	%100
180	SF5-TH	Z	.002	.002	0	%100
181	SF6-BH	Z	.000835	.000835	0	%100
182	SF6-TH	Z	.000835	.000835	0	%100
183	MP-9	Z	.003	.003	0	%100
184	MP-10	Z	.003	.003	0	%100
185	MP-11	Z	.003	.003	0	%100
186	MP-12	Z	.003	.003	0	%100
187	RRU-5	Z	.003	.003	0	%100
188	RRU-6	Z	.003	.003	0	%100
189	SA-6	Z	.002	.002	0	%100
190	PM-1	Z	.003	.003	0	%100
191	MM-1	Z	.003	.003	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
192	MM-2	Z	.003	.003	0	%100
193	PM-2	Z	.003	.003	0	%100
194	MM-3	Z	.001	.001	0	%100
195	MM-4	Z	.001	.001	0	%100
196	PM-3	Z	.003	.003	0	%100
197	MM-5	Z	.004	.004	0	%100
198	MM-6	Z	.004	.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	-.002	-.002	0	%100
2	SF1-D1-X	X	-.002	-.002	0	%100
3	SF2-D1	X	-.002	-.002	0	%100
4	SF2-D1-X	X	-.002	-.002	0	%100
5	SF1-V1	X	-.002	-.002	0	%100
6	SF1-V2	X	-.002	-.002	0	%100
7	SF2-V1	X	-.002	-.002	0	%100
8	SF2-V2	X	-.002	-.002	0	%100
9	SF1-CPB	X	-.002	-.002	0	%100
10	SF1-CPT	X	-.002	-.002	0	%100
11	SF2-CPB	X	-.002	-.002	0	%100
12	SF2-CPT	X	-.002	-.002	0	%100
13	FFBH-1	X	-.003	-.003	0	%100
14	FFBH-2	X	-.003	-.003	0	%100
15	FFBH-3	X	-.003	-.003	0	%100
16	FFTH-1	X	-.003	-.003	0	%100
17	FFTH-2	X	-.003	-.003	0	%100
18	FFTH-3	X	-.003	-.003	0	%100
19	SA-1	X	-.001	-.001	0	%100
20	SF1-BH	X	-.0007	-.0007	0	%100
21	SF1-TH	X	-.0007	-.0007	0	%100
22	SF2-BH	X	-.002	-.002	0	%100
23	SF2-TH	X	-.002	-.002	0	%100
24	MP-1	X	-.003	-.003	0	%100
25	MP-2	X	-.003	-.003	0	%100
26	MP-3	X	-.003	-.003	0	%100
27	MP-4	X	-.003	-.003	0	%100
28	RRU-1	X	-.003	-.003	0	%100
29	RRU-2	X	-.003	-.003	0	%100
30	SA-2	X	-.001	-.001	0	%100
31	SF3-D1	X	-.002	-.002	0	%100
32	SF3-D1-X	X	-.002	-.002	0	%100
33	SF4-D1	X	-.002	-.002	0	%100
34	SF4-D1-X	X	-.002	-.002	0	%100
35	SF3-V1	X	-.002	-.002	0	%100
36	SF3-V2	X	-.002	-.002	0	%100
37	SF4-V1	X	-.002	-.002	0	%100
38	SF4-V2	X	-.002	-.002	0	%100
39	SF3-CPB	X	-.002	-.002	0	%100
40	SF3-CPT	X	-.002	-.002	0	%100
41	SF4-CPB	X	-.002	-.002	0	%100
42	SF4-CPT	X	-.002	-.002	0	%100
43	FFBH-4	X	-.003	-.003	0	%100
44	FFBH-5	X	-.003	-.003	0	%100
45	FFBH-6	X	-.003	-.003	0	%100
46	FFTH-4	X	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
21	SF1-TH	X	-7.9e-5	-7.9e-5	0	%100
22	SF2-BH	X	-.002	-.002	0	%100
23	SF2-TH	X	-.002	-.002	0	%100
24	MP-1	X	-.002	-.002	0	%100
25	MP-2	X	-.002	-.002	0	%100
26	MP-3	X	-.002	-.002	0	%100
27	MP-4	X	-.002	-.002	0	%100
28	RRU-1	X	-.002	-.002	0	%100
29	RRU-2	X	-.002	-.002	0	%100
30	SA-2	X	-.001	-.001	0	%100
31	SF3-D1	X	-.002	-.002	0	%100
32	SF3-D1-X	X	-.002	-.002	0	%100
33	SF4-D1	X	-.002	-.002	0	%100
34	SF4-D1-X	X	-.002	-.002	0	%100
35	SF3-V1	X	-.001	-.001	0	%100
36	SF3-V2	X	-.001	-.001	0	%100
37	SF4-V1	X	-.001	-.001	0	%100
38	SF4-V2	X	-.001	-.001	0	%100
39	SF3-CPB	X	-.001	-.001	0	%100
40	SF3-CPT	X	-.001	-.001	0	%100
41	SF4-CPB	X	-.000509	-.000509	0	%100
42	SF4-CPT	X	-.000509	-.000509	0	%100
43	FFBH-4	X	-.002	-.002	0	%100
44	FFBH-5	X	-.002	-.002	0	%100
45	FFBH-6	X	-.002	-.002	0	%100
46	FFTH-4	X	-.002	-.002	0	%100
47	FFTH-5	X	-.002	-.002	0	%100
48	FFTH-6	X	-.002	-.002	0	%100
49	SA-3	X	-.000455	-.000455	0	%100
50	SF3-BH	X	-.002	-.002	0	%100
51	SF3-TH	X	-.002	-.002	0	%100
52	SF4-BH	X	-.000965	-.000965	0	%100
53	SF4-TH	X	-.000965	-.000965	0	%100
54	MP-5	X	-.002	-.002	0	%100
55	MP-6	X	-.002	-.002	0	%100
56	MP-7	X	-.002	-.002	0	%100
57	MP-8	X	-.002	-.002	0	%100
58	RRU-3	X	-.002	-.002	0	%100
59	RRU-4	X	-.002	-.002	0	%100
60	SA-4	X	-.000455	-.000455	0	%100
61	SF5-D1	X	-.002	-.002	0	%100
62	SF5-D1-X	X	-.002	-.002	0	%100
63	SF6-D1	X	-.002	-.002	0	%100
64	SF6-D1-X	X	-.002	-.002	0	%100
65	SF5-V1	X	-.001	-.001	0	%100
66	SF5-V2	X	-.001	-.001	0	%100
67	SF6-V1	X	-.001	-.001	0	%100
68	SF6-V2	X	-.001	-.001	0	%100
69	SF5-CPB	X	-.003	-.003	0	%100
70	SF5-CPT	X	-.003	-.003	0	%100
71	SF6-CPB	X	-.003	-.003	0	%100
72	SF6-CPT	X	-.003	-.003	0	%100
73	FFBH-7	X	-.000642	-.000642	0	%100
74	FFBH-8	X	-.000642	-.000642	0	%100
75	FFBH-9	X	-.000642	-.000642	0	%100
76	FFTH-7	X	-.000642	-.000642	0	%100
77	FFTH-8	X	-.000642	-.000642	0	%100

RISA A NELSTSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
78	FFTH-9	X	-.000642	-.000642	0	%100
79	SA-5	X	-.002	-.002	0	%100
80	SF5-BH	X	-.002	-.002	0	%100
81	SF5-TH	X	-.002	-.002	0	%100
82	SF6-BH	X	-.000917	-.000917	0	%100
83	SF6-TH	X	-.000917	-.000917	0	%100
84	MP-9	X	-.002	-.002	0	%100
85	MP-10	X	-.002	-.002	0	%100
86	MP-11	X	-.002	-.002	0	%100
87	MP-12	X	-.002	-.002	0	%100
88	RRU-5	X	-.002	-.002	0	%100
89	RRU-6	X	-.002	-.002	0	%100
90	SA-6	X	-.002	-.002	0	%100
91	PM-1	X	-.002	-.002	0	%100
92	MM-1	X	-.003	-.003	0	%100
93	MM-2	X	-.003	-.003	0	%100
94	PM-2	X	-.002	-.002	0	%100
95	MM-3	X	-.001	-.001	0	%100
96	MM-4	X	-.001	-.001	0	%100
97	PM-3	X	-.002	-.002	0	%100
98	MM-5	X	-.004	-.004	0	%100
99	MM-6	X	-.004	-.004	0	%100
100	SF1-D1	Z	.002	.002	0	%100
101	SF1-D1-X	Z	.002	.002	0	%100
102	SF2-D1	Z	.002	.002	0	%100
103	SF2-D1-X	Z	.002	.002	0	%100
104	SF1-V1	Z	.002	.002	0	%100
105	SF1-V2	Z	.002	.002	0	%100
106	SF2-V1	Z	.002	.002	0	%100
107	SF2-V2	Z	.002	.002	0	%100
108	SF1-CPB	Z	.002	.002	0	%100
109	SF1-CPT	Z	.002	.002	0	%100
110	SF2-CPB	Z	.003	.003	0	%100
111	SF2-CPT	Z	.003	.003	0	%100
112	FFBH-1	Z	.001	.001	0	%100
113	FFBH-2	Z	.002	.002	0	%100
114	FFBH-3	Z	.001	.001	0	%100
115	FFTH-1	Z	.001	.001	0	%100
116	FFTH-2	Z	.002	.002	0	%100
117	FFTH-3	Z	.001	.001	0	%100
118	SA-1	Z	.002	.002	0	%100
119	SF1-BH	Z	7.9e-5	7.9e-5	0	%100
120	SF1-TH	Z	7.9e-5	7.9e-5	0	%100
121	SF2-BH	Z	.002	.002	0	%100
122	SF2-TH	Z	.002	.002	0	%100
123	MP-1	Z	.003	.003	0	%100
124	MP-2	Z	.003	.003	0	%100
125	MP-3	Z	.003	.003	0	%100
126	MP-4	Z	.003	.003	0	%100
127	RRU-1	Z	.003	.003	0	%100
128	RRU-2	Z	.003	.003	0	%100
129	SA-2	Z	.002	.002	0	%100
130	SF3-D1	Z	.002	.002	0	%100
131	SF3-D1-X	Z	.002	.002	0	%100
132	SF4-D1	Z	.002	.002	0	%100
133	SF4-D1-X	Z	.002	.002	0	%100
134	SF3-V1	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,%]
109	SF1-CPT	Z	.003	.003	0	%100
110	SF2-CPB	Z	.004	.004	0	%100
111	SF2-CPT	Z	.004	.004	0	%100
112	FFBH-1	Z	.001	.001	0	%100
113	FFBH-2	Z	.002	.002	0	%100
114	FFBH-3	Z	.001	.001	0	%100
115	FFTH-1	Z	.001	.001	0	%100
116	FFTH-2	Z	.002	.002	0	%100
117	FFTH-3	Z	.001	.001	0	%100
118	SA-1	Z	.003	.003	0	%100
119	SF1-BH	Z	.000507	.000507	0	%100
120	SF1-TH	Z	.000507	.000507	0	%100
121	SF2-BH	Z	.002	.002	0	%100
122	SF2-TH	Z	.002	.002	0	%100
123	MP-1	Z	.003	.003	0	%100
124	MP-2	Z	.003	.003	0	%100
125	MP-3	Z	.003	.003	0	%100
126	MP-4	Z	.003	.003	0	%100
127	RRU-1	Z	.003	.003	0	%100
128	RRU-2	Z	.003	.003	0	%100
129	SA-2	Z	.003	.003	0	%100
130	SF3-D1	Z	.002	.002	0	%100
131	SF3-D1-X	Z	.002	.002	0	%100
132	SF4-D1	Z	.002	.002	0	%100
133	SF4-D1-X	Z	.002	.002	0	%100
134	SF3-V1	Z	.002	.002	0	%100
135	SF3-V2	Z	.002	.002	0	%100
136	SF4-V1	Z	.002	.002	0	%100
137	SF4-V2	Z	.002	.002	0	%100
138	SF3-CPB	Z	.000443	.000443	0	%100
139	SF3-CPT	Z	.000443	.000443	0	%100
140	SF4-CPB	Z	.000443	.000443	0	%100
141	SF4-CPT	Z	.000443	.000443	0	%100
142	FFBH-4	Z	.004	.004	0	%100
143	FFBH-5	Z	.004	.004	0	%100
144	FFBH-6	Z	.004	.004	0	%100
145	FFTH-4	Z	.004	.004	0	%100
146	FFTH-5	Z	.004	.004	0	%100
147	FFTH-6	Z	.004	.004	0	%100
148	SA-3	Z	.00015	.00015	0	%100
149	SF3-BH	Z	.002	.002	0	%100
150	SF3-TH	Z	.002	.002	0	%100
151	SF4-BH	Z	.002	.002	0	%100
152	SF4-TH	Z	.002	.002	0	%100
153	MP-5	Z	.003	.003	0	%100
154	MP-6	Z	.003	.003	0	%100
155	MP-7	Z	.003	.003	0	%100
156	MP-8	Z	.003	.003	0	%100
157	RRU-3	Z	.003	.003	0	%100
158	RRU-4	Z	.003	.003	0	%100
159	SA-4	Z	.00015	.00015	0	%100
160	SF5-D1	Z	.002	.002	0	%100
161	SF5-D1-X	Z	.002	.002	0	%100
162	SF6-D1	Z	.002	.002	0	%100
163	SF6-D1-X	Z	.002	.002	0	%100
164	SF5-V1	Z	.002	.002	0	%100
165	SF5-V2	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,%]
166	SF6-V1	Z	.002	.002	0	%100
167	SF6-V2	Z	.002	.002	0	%100
168	SF5-CPB	Z	.004	.004	0	%100
169	SF5-CPT	Z	.004	.004	0	%100
170	SF6-CPB	Z	.003	.003	0	%100
171	SF6-CPT	Z	.003	.003	0	%100
172	FFBH-7	Z	.002	.002	0	%100
173	FFBH-8	Z	.002	.002	0	%100
174	FFBH-9	Z	.002	.002	0	%100
175	FFTH-7	Z	.002	.002	0	%100
176	FFTH-8	Z	.002	.002	0	%100
177	FFTH-9	Z	.002	.002	0	%100
178	SA-5	Z	.002	.002	0	%100
179	SF5-BH	Z	.002	.002	0	%100
180	SF5-TH	Z	.002	.002	0	%100
181	SF6-BH	Z	.000482	.000482	0	%100
182	SF6-TH	Z	.000482	.000482	0	%100
183	MP-9	Z	.003	.003	0	%100
184	MP-10	Z	.003	.003	0	%100
185	MP-11	Z	.003	.003	0	%100
186	MP-12	Z	.003	.003	0	%100
187	RRU-5	Z	.003	.003	0	%100
188	RRU-6	Z	.003	.003	0	%100
189	SA-6	Z	.002	.002	0	%100
190	PM-1	Z	.003	.003	0	%100
191	MM-1	Z	.005	.005	0	%100
192	MM-2	Z	.005	.005	0	%100
193	PM-2	Z	.003	.003	0	%100
194	MM-3	Z	0	0	0	%100
195	MM-4	Z	0	0	0	%100
196	PM-3	Z	.003	.003	0	%100
197	MM-5	Z	.005	.005	0	%100
198	MM-6	Z	.005	.005	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	SF1-D1	X	-.002	-.002	0	%100
2	SF1-D1-X	X	-.002	-.002	0	%100
3	SF2-D1	X	-.002	-.002	0	%100
4	SF2-D1-X	X	-.002	-.002	0	%100
5	SF1-V1	X	-.001	-.001	0	%100
6	SF1-V2	X	-.001	-.001	0	%100
7	SF2-V1	X	-.001	-.001	0	%100
8	SF2-V2	X	-.001	-.001	0	%100
9	SF1-CPB	X	-.002	-.002	0	%100
10	SF1-CPT	X	-.002	-.002	0	%100
11	SF2-CPB	X	-.003	-.003	0	%100
12	SF2-CPT	X	-.003	-.003	0	%100
13	FFBH-1	X	-.002	-.002	0	%100
14	FFBH-2	X	-.002	-.002	0	%100
15	FFBH-3	X	-.002	-.002	0	%100
16	FFTH-1	X	-.002	-.002	0	%100
17	FFTH-2	X	-.002	-.002	0	%100
18	FFTH-3	X	-.002	-.002	0	%100
19	SA-1	X	-.001	-.001	0	%100
20	SF1-BH	X	-7.9e-5	-7.9e-5	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
98	MM-5	Z	.003	.003	0	%100
99	MM-6	Z	.003	.003	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	SF1-D1	X	-.001	-.001	0	%100
2	SF1-D1-X	X	-.001	-.001	0	%100
3	SF2-D1	X	-.001	-.001	0	%100
4	SF2-D1-X	X	-.001	-.001	0	%100
5	SF1-V1	X	-.000983	-.000983	0	%100
6	SF1-V2	X	-.000983	-.000983	0	%100
7	SF2-V1	X	-.000983	-.000983	0	%100
8	SF2-V2	X	-.000983	-.000983	0	%100
9	SF1-CPB	X	-.002	-.002	0	%100
10	SF1-CPT	X	-.002	-.002	0	%100
11	SF2-CPB	X	-.002	-.002	0	%100
12	SF2-CPT	X	-.002	-.002	0	%100
13	FFBH-1	X	-.001	-.001	0	%100
14	FFBH-2	X	-.001	-.001	0	%100
15	FFBH-3	X	-.001	-.001	0	%100
16	FFTH-1	X	-.001	-.001	0	%100
17	FFTH-2	X	-.001	-.001	0	%100
18	FFTH-3	X	-.001	-.001	0	%100
19	SA-1	X	-.001	-.001	0	%100
20	SF1-BH	X	-.000296	-.000296	0	%100
21	SF1-TH	X	-.000296	-.000296	0	%100
22	SF2-BH	X	-.001	-.001	0	%100
23	SF2-TH	X	-.001	-.001	0	%100
24	MP-1	X	-.002	-.002	0	%100
25	MP-2	X	-.002	-.002	0	%100
26	MP-3	X	-.002	-.002	0	%100
27	MP-4	X	-.002	-.002	0	%100
28	RRU-1	X	-.002	-.002	0	%100
29	RRU-2	X	-.002	-.002	0	%100
30	SA-2	X	-.001	-.001	0	%100
31	SF3-D1	X	-.001	-.001	0	%100
32	SF3-D1-X	X	-.001	-.001	0	%100
33	SF4-D1	X	-.001	-.001	0	%100
34	SF4-D1-X	X	-.001	-.001	0	%100
35	SF3-V1	X	-.000983	-.000983	0	%100
36	SF3-V2	X	-.000983	-.000983	0	%100
37	SF4-V1	X	-.000983	-.000983	0	%100
38	SF4-V2	X	-.000983	-.000983	0	%100
39	SF3-CPB	X	-.000256	-.000256	0	%100
40	SF3-CPT	X	-.000256	-.000256	0	%100
41	SF4-CPB	X	-.000256	-.000256	0	%100
42	SF4-CPT	X	-.000256	-.000256	0	%100
43	FFBH-4	X	-.002	-.002	0	%100
44	FFBH-5	X	-.002	-.002	0	%100
45	FFBH-6	X	-.002	-.002	0	%100
46	FFTH-4	X	-.002	-.002	0	%100
47	FFTH-5	X	-.002	-.002	0	%100
48	FFTH-6	X	-.002	-.002	0	%100
49	SA-3	X	-9.7e-5	-9.7e-5	0	%100
50	SF3-BH	X	-.001	-.001	0	%100
51	SF3-TH	X	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
52	SF4-BH	X	-.000937	-.000937	0	%100
53	SF4-TH	X	-.000937	-.000937	0	%100
54	MP-5	X	-.002	-.002	0	%100
55	MP-6	X	-.002	-.002	0	%100
56	MP-7	X	-.002	-.002	0	%100
57	MP-8	X	-.002	-.002	0	%100
58	RRU-3	X	-.002	-.002	0	%100
59	RRU-4	X	-.002	-.002	0	%100
60	SA-4	X	-9.7e-5	-9.7e-5	0	%100
61	SF5-D1	X	-.001	-.001	0	%100
62	SF5-D1-X	X	-.001	-.001	0	%100
63	SF6-D1	X	-.001	-.001	0	%100
64	SF6-D1-X	X	-.001	-.001	0	%100
65	SF5-V1	X	-.000983	-.000983	0	%100
66	SF5-V2	X	-.000983	-.000983	0	%100
67	SF6-V1	X	-.000983	-.000983	0	%100
68	SF6-V2	X	-.000983	-.000983	0	%100
69	SF5-CPB	X	-.002	-.002	0	%100
70	SF5-CPT	X	-.002	-.002	0	%100
71	SF6-CPB	X	-.002	-.002	0	%100
72	SF6-CPT	X	-.002	-.002	0	%100
73	FFBH-7	X	-.000877	-.000877	0	%100
74	FFBH-8	X	-.000877	-.000877	0	%100
75	FFBH-9	X	-.000877	-.000877	0	%100
76	FFTH-7	X	-.000877	-.000877	0	%100
77	FFTH-8	X	-.000877	-.000877	0	%100
78	FFTH-9	X	-.000877	-.000877	0	%100
79	SA-5	X	-.001	-.001	0	%100
80	SF5-BH	X	-.001	-.001	0	%100
81	SF5-TH	X	-.001	-.001	0	%100
82	SF6-BH	X	-.000306	-.000306	0	%100
83	SF6-TH	X	-.000306	-.000306	0	%100
84	MP-9	X	-.002	-.002	0	%100
85	MP-10	X	-.002	-.002	0	%100
86	MP-11	X	-.002	-.002	0	%100
87	MP-12	X	-.002	-.002	0	%100
88	RRU-5	X	-.002	-.002	0	%100
89	RRU-6	X	-.002	-.002	0	%100
90	SA-6	X	-.001	-.001	0	%100
91	PM-1	X	-.002	-.002	0	%100
92	MM-1	X	-.003	-.003	0	%100
93	MM-2	X	-.003	-.003	0	%100
94	PM-2	X	-.002	-.002	0	%100
95	MM-3	X	0	0	0	%100
96	MM-4	X	0	0	0	%100
97	PM-3	X	-.002	-.002	0	%100
98	MM-5	X	-.003	-.003	0	%100
99	MM-6	X	-.003	-.003	0	%100
100	SF1-D1	Z	.002	.002	0	%100
101	SF1-D1-X	Z	.002	.002	0	%100
102	SF2-D1	Z	.002	.002	0	%100
103	SF2-D1-X	Z	.002	.002	0	%100
104	SF1-V1	Z	.002	.002	0	%100
105	SF1-V2	Z	.002	.002	0	%100
106	SF2-V1	Z	.002	.002	0	%100
107	SF2-V2	Z	.002	.002	0	%100
108	SF1-CPB	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
186	MP-12	Z	.003	.003	0	%100
187	RRU-5	Z	.003	.003	0	%100
188	RRU-6	Z	.003	.003	0	%100
189	SA-6	Z	.000144	.000144	0	%100
190	PM-1	Z	.003	.003	0	%100
191	MM-1	Z	.005	.005	0	%100
192	MM-2	Z	.005	.005	0	%100
193	PM-2	Z	.003	.003	0	%100
194	MM-3	Z	.005	.005	0	%100
195	MM-4	Z	.005	.005	0	%100
196	PM-3	Z	.003	.003	0	%100
197	MM-5	Z	0	0	0	%100
198	MM-6	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	Z	.002	.002	0	%100
2	SF1-D1-X	Z	.002	.002	0	%100
3	SF2-D1	Z	.002	.002	0	%100
4	SF2-D1-X	Z	.002	.002	0	%100
5	SF1-V1	Z	.002	.002	0	%100
6	SF1-V2	Z	.002	.002	0	%100
7	SF2-V1	Z	.002	.002	0	%100
8	SF2-V2	Z	.002	.002	0	%100
9	SF1-CPB	Z	.005	.005	0	%100
10	SF1-CPT	Z	.005	.005	0	%100
11	SF2-CPB	Z	.005	.005	0	%100
12	SF2-CPT	Z	.005	.005	0	%100
13	FFBH-1	Z	0	0	0	%100
14	FFBH-2	Z	0	0	0	%100
15	FFBH-3	Z	0	0	0	%100
16	FFTH-1	Z	0	0	0	%100
17	FFTH-2	Z	0	0	0	%100
18	FFTH-3	Z	0	0	0	%100
19	SA-1	Z	.003	.003	0	%100
20	SF1-BH	Z	.002	.002	0	%100
21	SF1-TH	Z	.002	.002	0	%100
22	SF2-BH	Z	.002	.002	0	%100
23	SF2-TH	Z	.002	.002	0	%100
24	MP-1	Z	.004	.004	0	%100
25	MP-2	Z	.004	.004	0	%100
26	MP-3	Z	.004	.004	0	%100
27	MP-4	Z	.004	.004	0	%100
28	RRU-1	Z	.004	.004	0	%100
29	RRU-2	Z	.004	.004	0	%100
30	SA-2	Z	.003	.003	0	%100
31	SF3-D1	Z	.002	.002	0	%100
32	SF3-D1-X	Z	.002	.002	0	%100
33	SF4-D1	Z	.002	.002	0	%100
34	SF4-D1-X	Z	.002	.002	0	%100
35	SF3-V1	Z	.002	.002	0	%100
36	SF3-V2	Z	.002	.002	0	%100
37	SF4-V1	Z	.002	.002	0	%100
38	SF4-V2	Z	.002	.002	0	%100
39	SF3-CPB	Z	.002	.002	0	%100
40	SF3-CPT	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
41	SF4-CPB	Z	.003	.003	0	%100
42	SF4-CPT	Z	.003	.003	0	%100
43	FFBH-4	Z	.004	.004	0	%100
44	FFBH-5	Z	.004	.004	0	%100
45	FFBH-6	Z	.004	.004	0	%100
46	FFTH-4	Z	.004	.004	0	%100
47	FFTH-5	Z	.004	.004	0	%100
48	FFTH-6	Z	.004	.004	0	%100
49	SA-3	Z	.002	.002	0	%100
50	SF3-BH	Z	.000761	.000761	0	%100
51	SF3-TH	Z	.000761	.000761	0	%100
52	SF4-BH	Z	.003	.003	0	%100
53	SF4-TH	Z	.003	.003	0	%100
54	MP-5	Z	.004	.004	0	%100
55	MP-6	Z	.004	.004	0	%100
56	MP-7	Z	.004	.004	0	%100
57	MP-8	Z	.004	.004	0	%100
58	RRU-3	Z	.004	.004	0	%100
59	RRU-4	Z	.004	.004	0	%100
60	SA-4	Z	.002	.002	0	%100
61	SF5-D1	Z	.002	.002	0	%100
62	SF5-D1-X	Z	.002	.002	0	%100
63	SF6-D1	Z	.002	.002	0	%100
64	SF6-D1-X	Z	.002	.002	0	%100
65	SF5-V1	Z	.002	.002	0	%100
66	SF5-V2	Z	.002	.002	0	%100
67	SF6-V1	Z	.002	.002	0	%100
68	SF6-V2	Z	.002	.002	0	%100
69	SF5-CPB	Z	.003	.003	0	%100
70	SF5-CPT	Z	.003	.003	0	%100
71	SF6-CPB	Z	.002	.002	0	%100
72	SF6-CPT	Z	.002	.002	0	%100
73	FFBH-7	Z	.004	.004	0	%100
74	FFBH-8	Z	.004	.004	0	%100
75	FFBH-9	Z	.004	.004	0	%100
76	FFTH-7	Z	.004	.004	0	%100
77	FFTH-8	Z	.004	.004	0	%100
78	FFTH-9	Z	.004	.004	0	%100
79	SA-5	Z	.001	.001	0	%100
80	SF5-BH	Z	.003	.003	0	%100
81	SF5-TH	Z	.003	.003	0	%100
82	SF6-BH	Z	.000761	.000761	0	%100
83	SF6-TH	Z	.000761	.000761	0	%100
84	MP-9	Z	.004	.004	0	%100
85	MP-10	Z	.004	.004	0	%100
86	MP-11	Z	.004	.004	0	%100
87	MP-12	Z	.004	.004	0	%100
88	RRU-5	Z	.004	.004	0	%100
89	RRU-6	Z	.004	.004	0	%100
90	SA-6	Z	.001	.001	0	%100
91	PM-1	Z	.004	.004	0	%100
92	MM-1	Z	.006	.006	0	%100
93	MM-2	Z	.006	.006	0	%100
94	PM-2	Z	.004	.004	0	%100
95	MM-3	Z	.003	.003	0	%100
96	MM-4	Z	.003	.003	0	%100
97	PM-3	Z	.004	.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
72	SF6-CPT	X	.000256	.000256	0	%100
73	FFBH-7	X	.002	.002	0	%100
74	FFBH-8	X	.002	.002	0	%100
75	FFBH-9	X	.002	.002	0	%100
76	FFTH-7	X	.002	.002	0	%100
77	FFTH-8	X	.002	.002	0	%100
78	FFTH-9	X	.002	.002	0	%100
79	SA-5	X	9.9e-5	9.9e-5	0	%100
80	SF5-BH	X	.000937	.000937	0	%100
81	SF5-TH	X	.000937	.000937	0	%100
82	SF6-BH	X	.001	.001	0	%100
83	SF6-TH	X	.001	.001	0	%100
84	MP-9	X	.002	.002	0	%100
85	MP-10	X	.002	.002	0	%100
86	MP-11	X	.002	.002	0	%100
87	MP-12	X	.002	.002	0	%100
88	RRU-5	X	.002	.002	0	%100
89	RRU-6	X	.002	.002	0	%100
90	SA-6	X	9.9e-5	9.9e-5	0	%100
91	PM-1	X	.002	.002	0	%100
92	MM-1	X	.003	.003	0	%100
93	MM-2	X	.003	.003	0	%100
94	PM-2	X	.002	.002	0	%100
95	MM-3	X	.003	.003	0	%100
96	MM-4	X	.003	.003	0	%100
97	PM-3	X	.002	.002	0	%100
98	MM-5	X	0	0	0	%100
99	MM-6	X	0	0	0	%100
100	SF1-D1	Z	.002	.002	0	%100
101	SF1-D1-X	Z	.002	.002	0	%100
102	SF2-D1	Z	.002	.002	0	%100
103	SF2-D1-X	Z	.002	.002	0	%100
104	SF1-V1	Z	.002	.002	0	%100
105	SF1-V2	Z	.002	.002	0	%100
106	SF2-V1	Z	.002	.002	0	%100
107	SF2-V2	Z	.002	.002	0	%100
108	SF1-CPB	Z	.004	.004	0	%100
109	SF1-CPT	Z	.004	.004	0	%100
110	SF2-CPB	Z	.003	.003	0	%100
111	SF2-CPT	Z	.003	.003	0	%100
112	FFBH-1	Z	.001	.001	0	%100
113	FFBH-2	Z	.002	.002	0	%100
114	FFBH-3	Z	.001	.001	0	%100
115	FFTH-1	Z	.001	.001	0	%100
116	FFTH-2	Z	.002	.002	0	%100
117	FFTH-3	Z	.001	.001	0	%100
118	SA-1	Z	.002	.002	0	%100
119	SF1-BH	Z	.002	.002	0	%100
120	SF1-TH	Z	.002	.002	0	%100
121	SF2-BH	Z	.000507	.000507	0	%100
122	SF2-TH	Z	.000507	.000507	0	%100
123	MP-1	Z	.003	.003	0	%100
124	MP-2	Z	.003	.003	0	%100
125	MP-3	Z	.003	.003	0	%100
126	MP-4	Z	.003	.003	0	%100
127	RRU-1	Z	.003	.003	0	%100
128	RRU-2	Z	.003	.003	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)

Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
129	SA-2	Z	.002	.002	0	%100
130	SF3-D1	Z	.002	.002	0	%100
131	SF3-D1-X	Z	.002	.002	0	%100
132	SF4-D1	Z	.002	.002	0	%100
133	SF4-D1-X	Z	.002	.002	0	%100
134	SF3-V1	Z	.002	.002	0	%100
135	SF3-V2	Z	.002	.002	0	%100
136	SF4-V1	Z	.002	.002	0	%100
137	SF4-V2	Z	.002	.002	0	%100
138	SF3-CPB	Z	.003	.003	0	%100
139	SF3-CPT	Z	.003	.003	0	%100
140	SF4-CPB	Z	.004	.004	0	%100
141	SF4-CPT	Z	.004	.004	0	%100
142	FFBH-4	Z	.002	.002	0	%100
143	FFBH-5	Z	.002	.002	0	%100
144	FFBH-6	Z	.002	.002	0	%100
145	FFTH-4	Z	.002	.002	0	%100
146	FFTH-5	Z	.002	.002	0	%100
147	FFTH-6	Z	.002	.002	0	%100
148	SA-3	Z	.002	.002	0	%100
149	SF3-BH	Z	.000482	.000482	0	%100
150	SF3-TH	Z	.000482	.000482	0	%100
151	SF4-BH	Z	.002	.002	0	%100
152	SF4-TH	Z	.002	.002	0	%100
153	MP-5	Z	.003	.003	0	%100
154	MP-6	Z	.003	.003	0	%100
155	MP-7	Z	.003	.003	0	%100
156	MP-8	Z	.003	.003	0	%100
157	RRU-3	Z	.003	.003	0	%100
158	RRU-4	Z	.003	.003	0	%100
159	SA-4	Z	.002	.002	0	%100
160	SF5-D1	Z	.002	.002	0	%100
161	SF5-D1-X	Z	.002	.002	0	%100
162	SF6-D1	Z	.002	.002	0	%100
163	SF6-D1-X	Z	.002	.002	0	%100
164	SF5-V1	Z	.002	.002	0	%100
165	SF5-V2	Z	.002	.002	0	%100
166	SF6-V1	Z	.002	.002	0	%100
167	SF6-V2	Z	.002	.002	0	%100
168	SF5-CPB	Z	.000443	.000443	0	%100
169	SF5-CPT	Z	.000443	.000443	0	%100
170	SF6-CPB	Z	.000443	.000443	0	%100
171	SF6-CPT	Z	.000443	.000443	0	%100
172	FFBH-7	Z	.004	.004	0	%100
173	FFBH-8	Z	.004	.004	0	%100
174	FFBH-9	Z	.004	.004	0	%100
175	FFTH-7	Z	.004	.004	0	%100
176	FFTH-8	Z	.004	.004	0	%100
177	FFTH-9	Z	.004	.004	0	%100
178	SA-5	Z	.000144	.000144	0	%100
179	SF5-BH	Z	.002	.002	0	%100
180	SF5-TH	Z	.002	.002	0	%100
181	SF6-BH	Z	.002	.002	0	%100
182	SF6-TH	Z	.002	.002	0	%100
183	MP-9	Z	.003	.003	0	%100
184	MP-10	Z	.003	.003	0	%100
185	MP-11	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
160	SF5-D1	Z	.002	.002	0	%100
161	SF5-D1-X	Z	.002	.002	0	%100
162	SF6-D1	Z	.002	.002	0	%100
163	SF6-D1-X	Z	.002	.002	0	%100
164	SF5-V1	Z	.002	.002	0	%100
165	SF5-V2	Z	.002	.002	0	%100
166	SF6-V1	Z	.002	.002	0	%100
167	SF6-V2	Z	.002	.002	0	%100
168	SF5-CPB	Z	.000509	.000509	0	%100
169	SF5-CPT	Z	.000509	.000509	0	%100
170	SF6-CPB	Z	.001	.001	0	%100
171	SF6-CPT	Z	.001	.001	0	%100
172	FFBH-7	Z	.003	.003	0	%100
173	FFBH-8	Z	.003	.003	0	%100
174	FFBH-9	Z	.003	.003	0	%100
175	FFTH-7	Z	.003	.003	0	%100
176	FFTH-8	Z	.003	.003	0	%100
177	FFTH-9	Z	.003	.003	0	%100
178	SA-5	Z	.000617	.000617	0	%100
179	SF5-BH	Z	.001	.001	0	%100
180	SF5-TH	Z	.001	.001	0	%100
181	SF6-BH	Z	.002	.002	0	%100
182	SF6-TH	Z	.002	.002	0	%100
183	MP-9	Z	.003	.003	0	%100
184	MP-10	Z	.003	.003	0	%100
185	MP-11	Z	.003	.003	0	%100
186	MP-12	Z	.003	.003	0	%100
187	RRU-5	Z	.003	.003	0	%100
188	RRU-6	Z	.003	.003	0	%100
189	SA-6	Z	.000617	.000617	0	%100
190	PM-1	Z	.003	.003	0	%100
191	MM-1	Z	.003	.003	0	%100
192	MM-2	Z	.003	.003	0	%100
193	PM-2	Z	.003	.003	0	%100
194	MM-3	Z	.004	.004	0	%100
195	MM-4	Z	.004	.004	0	%100
196	PM-3	Z	.003	.003	0	%100
197	MM-5	Z	.001	.001	0	%100
198	MM-6	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	SF1-D1	X	.001	.001	0	%100
2	SF1-D1-X	X	.001	.001	0	%100
3	SF2-D1	X	.001	.001	0	%100
4	SF2-D1-X	X	.001	.001	0	%100
5	SF1-V1	X	.000983	.000983	0	%100
6	SF1-V2	X	.000983	.000983	0	%100
7	SF2-V1	X	.000983	.000983	0	%100
8	SF2-V2	X	.000983	.000983	0	%100
9	SF1-CPB	X	.002	.002	0	%100
10	SF1-CPT	X	.002	.002	0	%100
11	SF2-CPB	X	.002	.002	0	%100
12	SF2-CPT	X	.002	.002	0	%100
13	FFBH-1	X	.001	.001	0	%100
14	FFBH-2	X	.001	.001	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
15	FFBH-3	X	.001	.001	0	%100
16	FFTH-1	X	.001	.001	0	%100
17	FFTH-2	X	.001	.001	0	%100
18	FFTH-3	X	.001	.001	0	%100
19	SA-1	X	.000992	.000992	0	%100
20	SF1-BH	X	.001	.001	0	%100
21	SF1-TH	X	.001	.001	0	%100
22	SF2-BH	X	.000296	.000296	0	%100
23	SF2-TH	X	.000296	.000296	0	%100
24	MP-1	X	.002	.002	0	%100
25	MP-2	X	.002	.002	0	%100
26	MP-3	X	.002	.002	0	%100
27	MP-4	X	.002	.002	0	%100
28	RRU-1	X	.002	.002	0	%100
29	RRU-2	X	.002	.002	0	%100
30	SA-2	X	.000992	.000992	0	%100
31	SF3-D1	X	.001	.001	0	%100
32	SF3-D1-X	X	.001	.001	0	%100
33	SF4-D1	X	.001	.001	0	%100
34	SF4-D1-X	X	.001	.001	0	%100
35	SF3-V1	X	.000983	.000983	0	%100
36	SF3-V2	X	.000983	.000983	0	%100
37	SF4-V1	X	.000983	.000983	0	%100
38	SF4-V2	X	.000983	.000983	0	%100
39	SF3-CPB	X	.002	.002	0	%100
40	SF3-CPT	X	.002	.002	0	%100
41	SF4-CPB	X	.002	.002	0	%100
42	SF4-CPT	X	.002	.002	0	%100
43	FFBH-4	X	.000877	.000877	0	%100
44	FFBH-5	X	.000877	.000877	0	%100
45	FFBH-6	X	.000877	.000877	0	%100
46	FFTH-4	X	.000877	.000877	0	%100
47	FFTH-5	X	.000877	.000877	0	%100
48	FFTH-6	X	.000877	.000877	0	%100
49	SA-3	X	.001	.001	0	%100
50	SF3-BH	X	.000306	.000306	0	%100
51	SF3-TH	X	.000306	.000306	0	%100
52	SF4-BH	X	.001	.001	0	%100
53	SF4-TH	X	.001	.001	0	%100
54	MP-5	X	.002	.002	0	%100
55	MP-6	X	.002	.002	0	%100
56	MP-7	X	.002	.002	0	%100
57	MP-8	X	.002	.002	0	%100
58	RRU-3	X	.002	.002	0	%100
59	RRU-4	X	.002	.002	0	%100
60	SA-4	X	.001	.001	0	%100
61	SF5-D1	X	.001	.001	0	%100
62	SF5-D1-X	X	.001	.001	0	%100
63	SF6-D1	X	.001	.001	0	%100
64	SF6-D1-X	X	.001	.001	0	%100
65	SF5-V1	X	.000983	.000983	0	%100
66	SF5-V2	X	.000983	.000983	0	%100
67	SF6-V1	X	.000983	.000983	0	%100
68	SF6-V2	X	.000983	.000983	0	%100
69	SF5-CPB	X	.000256	.000256	0	%100
70	SF5-CPT	X	.000256	.000256	0	%100
71	SF6-CPB	X	.000256	.000256	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,%]
46	FFTH-4	X	.000642	.000642	0	%100
47	FFTH-5	X	.000642	.000642	0	%100
48	FFTH-6	X	.000642	.000642	0	%100
49	SA-3	X	.002	.002	0	%100
50	SF3-BH	X	.000917	.000917	0	%100
51	SF3-TH	X	.000917	.000917	0	%100
52	SF4-BH	X	.002	.002	0	%100
53	SF4-TH	X	.002	.002	0	%100
54	MP-5	X	.002	.002	0	%100
55	MP-6	X	.002	.002	0	%100
56	MP-7	X	.002	.002	0	%100
57	MP-8	X	.002	.002	0	%100
58	RRU-3	X	.002	.002	0	%100
59	RRU-4	X	.002	.002	0	%100
60	SA-4	X	.002	.002	0	%100
61	SF5-D1	X	.002	.002	0	%100
62	SF5-D1-X	X	.002	.002	0	%100
63	SF6-D1	X	.002	.002	0	%100
64	SF6-D1-X	X	.002	.002	0	%100
65	SF5-V1	X	.001	.001	0	%100
66	SF5-V2	X	.001	.001	0	%100
67	SF6-V1	X	.001	.001	0	%100
68	SF6-V2	X	.001	.001	0	%100
69	SF5-CPB	X	.000509	.000509	0	%100
70	SF5-CPT	X	.000509	.000509	0	%100
71	SF6-CPB	X	.001	.001	0	%100
72	SF6-CPT	X	.001	.001	0	%100
73	FFBH-7	X	.002	.002	0	%100
74	FFBH-8	X	.002	.002	0	%100
75	FFBH-9	X	.002	.002	0	%100
76	FFTH-7	X	.002	.002	0	%100
77	FFTH-8	X	.002	.002	0	%100
78	FFTH-9	X	.002	.002	0	%100
79	SA-5	X	.000735	.000735	0	%100
80	SF5-BH	X	.000965	.000965	0	%100
81	SF5-TH	X	.000965	.000965	0	%100
82	SF6-BH	X	.002	.002	0	%100
83	SF6-TH	X	.002	.002	0	%100
84	MP-9	X	.002	.002	0	%100
85	MP-10	X	.002	.002	0	%100
86	MP-11	X	.002	.002	0	%100
87	MP-12	X	.002	.002	0	%100
88	RRU-5	X	.002	.002	0	%100
89	RRU-6	X	.002	.002	0	%100
90	SA-6	X	.000735	.000735	0	%100
91	PM-1	X	.002	.002	0	%100
92	MM-1	X	.003	.003	0	%100
93	MM-2	X	.003	.003	0	%100
94	PM-2	X	.002	.002	0	%100
95	MM-3	X	.004	.004	0	%100
96	MM-4	X	.004	.004	0	%100
97	PM-3	X	.002	.002	0	%100
98	MM-5	X	.001	.001	0	%100
99	MM-6	X	.001	.001	0	%100
100	SF1-D1	Z	.002	.002	0	%100
101	SF1-D1-X	Z	.002	.002	0	%100
102	SF2-D1	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,%]
103	SF2-D1-X	Z	.002	.002	0	%100
104	SF1-V1	Z	.002	.002	0	%100
105	SF1-V2	Z	.002	.002	0	%100
106	SF2-V1	Z	.002	.002	0	%100
107	SF2-V2	Z	.002	.002	0	%100
108	SF1-CPB	Z	.003	.003	0	%100
109	SF1-CPT	Z	.003	.003	0	%100
110	SF2-CPB	Z	.002	.002	0	%100
111	SF2-CPT	Z	.002	.002	0	%100
112	FFBH-1	Z	.001	.001	0	%100
113	FFBH-2	Z	.002	.002	0	%100
114	FFBH-3	Z	.001	.001	0	%100
115	FFTH-1	Z	.001	.001	0	%100
116	FFTH-2	Z	.002	.002	0	%100
117	FFTH-3	Z	.001	.001	0	%100
118	SA-1	Z	.002	.002	0	%100
119	SF1-BH	Z	.002	.002	0	%100
120	SF1-TH	Z	.002	.002	0	%100
121	SF2-BH	Z	7.9e-5	7.9e-5	0	%100
122	SF2-TH	Z	7.9e-5	7.9e-5	0	%100
123	MP-1	Z	.003	.003	0	%100
124	MP-2	Z	.003	.003	0	%100
125	MP-3	Z	.003	.003	0	%100
126	MP-4	Z	.003	.003	0	%100
127	RRU-1	Z	.003	.003	0	%100
128	RRU-2	Z	.003	.003	0	%100
129	SA-2	Z	.002	.002	0	%100
130	SF3-D1	Z	.002	.002	0	%100
131	SF3-D1-X	Z	.002	.002	0	%100
132	SF4-D1	Z	.002	.002	0	%100
133	SF4-D1-X	Z	.002	.002	0	%100
134	SF3-V1	Z	.002	.002	0	%100
135	SF3-V2	Z	.002	.002	0	%100
136	SF4-V1	Z	.002	.002	0	%100
137	SF4-V2	Z	.002	.002	0	%100
138	SF3-CPB	Z	.003	.003	0	%100
139	SF3-CPT	Z	.003	.003	0	%100
140	SF4-CPB	Z	.003	.003	0	%100
141	SF4-CPT	Z	.003	.003	0	%100
142	FFBH-4	Z	.000793	.000793	0	%100
143	FFBH-5	Z	.000793	.000793	0	%100
144	FFBH-6	Z	.000793	.000793	0	%100
145	FFTH-4	Z	.000793	.000793	0	%100
146	FFTH-5	Z	.000793	.000793	0	%100
147	FFTH-6	Z	.000793	.000793	0	%100
148	SA-3	Z	.002	.002	0	%100
149	SF3-BH	Z	.000835	.000835	0	%100
150	SF3-TH	Z	.000835	.000835	0	%100
151	SF4-BH	Z	.002	.002	0	%100
152	SF4-TH	Z	.002	.002	0	%100
153	MP-5	Z	.003	.003	0	%100
154	MP-6	Z	.003	.003	0	%100
155	MP-7	Z	.003	.003	0	%100
156	MP-8	Z	.003	.003	0	%100
157	RRU-3	Z	.003	.003	0	%100
158	RRU-4	Z	.003	.003	0	%100
159	SA-4	Z	.002	.002	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,%]
134	SF3-V1	Z	.001	.001	0	%100
135	SF3-V2	Z	.001	.001	0	%100
136	SF4-V1	Z	.001	.001	0	%100
137	SF4-V2	Z	.001	.001	0	%100
138	SF3-CPB	Z	.002	.002	0	%100
139	SF3-CPT	Z	.002	.002	0	%100
140	SF4-CPB	Z	.002	.002	0	%100
141	SF4-CPT	Z	.002	.002	0	%100
142	FFBH-4	Z	0	0	0	%100
143	FFBH-5	Z	0	0	0	%100
144	FFBH-6	Z	0	0	0	%100
145	FFTH-4	Z	0	0	0	%100
146	FFTH-5	Z	0	0	0	%100
147	FFTH-6	Z	0	0	0	%100
148	SA-3	Z	.001	.001	0	%100
149	SF3-BH	Z	.000863	.000863	0	%100
150	SF3-TH	Z	.000863	.000863	0	%100
151	SF4-BH	Z	.00095	.00095	0	%100
152	SF4-TH	Z	.00095	.00095	0	%100
153	MP-5	Z	.002	.002	0	%100
154	MP-6	Z	.002	.002	0	%100
155	MP-7	Z	.002	.002	0	%100
156	MP-8	Z	.002	.002	0	%100
157	RRU-3	Z	.002	.002	0	%100
158	RRU-4	Z	.002	.002	0	%100
159	SA-4	Z	.001	.001	0	%100
160	SF5-D1	Z	.001	.001	0	%100
161	SF5-D1-X	Z	.001	.001	0	%100
162	SF6-D1	Z	.001	.001	0	%100
163	SF6-D1-X	Z	.001	.001	0	%100
164	SF5-V1	Z	.001	.001	0	%100
165	SF5-V2	Z	.001	.001	0	%100
166	SF6-V1	Z	.001	.001	0	%100
167	SF6-V2	Z	.001	.001	0	%100
168	SF5-CPB	Z	.000951	.000951	0	%100
169	SF5-CPT	Z	.000951	.000951	0	%100
170	SF6-CPB	Z	.001	.001	0	%100
171	SF6-CPT	Z	.001	.001	0	%100
172	FFBH-7	Z	.002	.002	0	%100
173	FFBH-8	Z	.002	.002	0	%100
174	FFBH-9	Z	.002	.002	0	%100
175	FFTH-7	Z	.002	.002	0	%100
176	FFTH-8	Z	.002	.002	0	%100
177	FFTH-9	Z	.002	.002	0	%100
178	SA-5	Z	.00076	.00076	0	%100
179	SF5-BH	Z	.000419	.000419	0	%100
180	SF5-TH	Z	.000419	.000419	0	%100
181	SF6-BH	Z	.001	.001	0	%100
182	SF6-TH	Z	.001	.001	0	%100
183	MP-9	Z	.002	.002	0	%100
184	MP-10	Z	.002	.002	0	%100
185	MP-11	Z	.002	.002	0	%100
186	MP-12	Z	.002	.002	0	%100
187	RRU-5	Z	.002	.002	0	%100
188	RRU-6	Z	.002	.002	0	%100
189	SA-6	Z	.00076	.00076	0	%100
190	PM-1	Z	.002	.002	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,%]
191	MM-1	Z	.002	.002	0	%100
192	MM-2	Z	.002	.002	0	%100
193	PM-2	Z	.002	.002	0	%100
194	MM-3	Z	.003	.003	0	%100
195	MM-4	Z	.003	.003	0	%100
196	PM-3	Z	.002	.002	0	%100
197	MM-5	Z	.002	.002	0	%100
198	MM-6	Z	.002	.002	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	SF1-D1	X	.002	.002	0	%100
2	SF1-D1-X	X	.002	.002	0	%100
3	SF2-D1	X	.002	.002	0	%100
4	SF2-D1-X	X	.002	.002	0	%100
5	SF1-V1	X	.001	.001	0	%100
6	SF1-V2	X	.001	.001	0	%100
7	SF2-V1	X	.001	.001	0	%100
8	SF2-V2	X	.001	.001	0	%100
9	SF1-CPB	X	.003	.003	0	%100
10	SF1-CPT	X	.003	.003	0	%100
11	SF2-CPB	X	.002	.002	0	%100
12	SF2-CPT	X	.002	.002	0	%100
13	FFBH-1	X	.002	.002	0	%100
14	FFBH-2	X	.002	.002	0	%100
15	FFBH-3	X	.002	.002	0	%100
16	FFTH-1	X	.002	.002	0	%100
17	FFTH-2	X	.002	.002	0	%100
18	FFTH-3	X	.002	.002	0	%100
19	SA-1	X	.001	.001	0	%100
20	SF1-BH	X	.002	.002	0	%100
21	SF1-TH	X	.002	.002	0	%100
22	SF2-BH	X	7.9e-5	7.9e-5	0	%100
23	SF2-TH	X	7.9e-5	7.9e-5	0	%100
24	MP-1	X	.002	.002	0	%100
25	MP-2	X	.002	.002	0	%100
26	MP-3	X	.002	.002	0	%100
27	MP-4	X	.002	.002	0	%100
28	RRU-1	X	.002	.002	0	%100
29	RRU-2	X	.002	.002	0	%100
30	SA-2	X	.001	.001	0	%100
31	SF3-D1	X	.002	.002	0	%100
32	SF3-D1-X	X	.002	.002	0	%100
33	SF4-D1	X	.002	.002	0	%100
34	SF4-D1-X	X	.002	.002	0	%100
35	SF3-V1	X	.001	.001	0	%100
36	SF3-V2	X	.001	.001	0	%100
37	SF4-V1	X	.001	.001	0	%100
38	SF4-V2	X	.001	.001	0	%100
39	SF3-CPB	X	.003	.003	0	%100
40	SF3-CPT	X	.003	.003	0	%100
41	SF4-CPB	X	.003	.003	0	%100
42	SF4-CPT	X	.003	.003	0	%100
43	FFBH-4	X	.000642	.000642	0	%100
44	FFBH-5	X	.000642	.000642	0	%100
45	FFBH-6	X	.000642	.000642	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,%]
20	SF1-BH	X	.002	.002	0	%100
21	SF1-TH	X	.002	.002	0	%100
22	SF2-BH	X	.0007	.0007	0	%100
23	SF2-TH	X	.0007	.0007	0	%100
24	MP-1	X	.003	.003	0	%100
25	MP-2	X	.003	.003	0	%100
26	MP-3	X	.003	.003	0	%100
27	MP-4	X	.003	.003	0	%100
28	RRU-1	X	.003	.003	0	%100
29	RRU-2	X	.003	.003	0	%100
30	SA-2	X	.000921	.000921	0	%100
31	SF3-D1	X	.002	.002	0	%100
32	SF3-D1-X	X	.002	.002	0	%100
33	SF4-D1	X	.002	.002	0	%100
34	SF4-D1-X	X	.002	.002	0	%100
35	SF3-V1	X	.002	.002	0	%100
36	SF3-V2	X	.002	.002	0	%100
37	SF4-V1	X	.002	.002	0	%100
38	SF4-V2	X	.002	.002	0	%100
39	SF3-CPB	X	.004	.004	0	%100
40	SF3-CPT	X	.004	.004	0	%100
41	SF4-CPB	X	.004	.004	0	%100
42	SF4-CPT	X	.004	.004	0	%100
43	FFBH-4	X	0	0	0	%100
44	FFBH-5	X	0	0	0	%100
45	FFBH-6	X	0	0	0	%100
46	FFTH-4	X	0	0	0	%100
47	FFTH-5	X	0	0	0	%100
48	FFTH-6	X	0	0	0	%100
49	SA-3	X	.003	.003	0	%100
50	SF3-BH	X	.002	.002	0	%100
51	SF3-TH	X	.002	.002	0	%100
52	SF4-BH	X	.001	.001	0	%100
53	SF4-TH	X	.001	.001	0	%100
54	MP-5	X	.003	.003	0	%100
55	MP-6	X	.003	.003	0	%100
56	MP-7	X	.003	.003	0	%100
57	MP-8	X	.003	.003	0	%100
58	RRU-3	X	.003	.003	0	%100
59	RRU-4	X	.003	.003	0	%100
60	SA-4	X	.003	.003	0	%100
61	SF5-D1	X	.002	.002	0	%100
62	SF5-D1-X	X	.002	.002	0	%100
63	SF6-D1	X	.002	.002	0	%100
64	SF6-D1-X	X	.002	.002	0	%100
65	SF5-V1	X	.002	.002	0	%100
66	SF5-V2	X	.002	.002	0	%100
67	SF6-V1	X	.002	.002	0	%100
68	SF6-V2	X	.002	.002	0	%100
69	SF5-CPB	X	.002	.002	0	%100
70	SF5-CPT	X	.002	.002	0	%100
71	SF6-CPB	X	.002	.002	0	%100
72	SF6-CPT	X	.002	.002	0	%100
73	FFBH-7	X	.003	.003	0	%100
74	FFBH-8	X	.003	.003	0	%100
75	FFBH-9	X	.003	.003	0	%100
76	FFTH-7	X	.003	.003	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,%]
77	FFTH-8	X	.003	.003	0	%100
78	FFTH-9	X	.003	.003	0	%100
79	SA-5	X	.002	.002	0	%100
80	SF5-BH	X	.000659	.000659	0	%100
81	SF5-TH	X	.000659	.000659	0	%100
82	SF6-BH	X	.002	.002	0	%100
83	SF6-TH	X	.002	.002	0	%100
84	MP-9	X	.003	.003	0	%100
85	MP-10	X	.003	.003	0	%100
86	MP-11	X	.003	.003	0	%100
87	MP-12	X	.003	.003	0	%100
88	RRU-5	X	.003	.003	0	%100
89	RRU-6	X	.003	.003	0	%100
90	SA-6	X	.002	.002	0	%100
91	PM-1	X	.003	.003	0	%100
92	MM-1	X	.003	.003	0	%100
93	MM-2	X	.003	.003	0	%100
94	PM-2	X	.003	.003	0	%100
95	MM-3	X	.005	.005	0	%100
96	MM-4	X	.005	.005	0	%100
97	PM-3	X	.003	.003	0	%100
98	MM-5	X	.003	.003	0	%100
99	MM-6	X	.003	.003	0	%100
100	SF1-D1	Z	.001	.001	0	%100
101	SF1-D1-X	Z	.001	.001	0	%100
102	SF2-D1	Z	.001	.001	0	%100
103	SF2-D1-X	Z	.001	.001	0	%100
104	SF1-V1	Z	.001	.001	0	%100
105	SF1-V2	Z	.001	.001	0	%100
106	SF2-V1	Z	.001	.001	0	%100
107	SF2-V2	Z	.001	.001	0	%100
108	SF1-CPB	Z	.001	.001	0	%100
109	SF1-CPT	Z	.001	.001	0	%100
110	SF2-CPB	Z	.000951	.000951	0	%100
111	SF2-CPT	Z	.000951	.000951	0	%100
112	FFBH-1	Z	.001	.001	0	%100
113	FFBH-2	Z	.002	.002	0	%100
114	FFBH-3	Z	.001	.001	0	%100
115	FFTH-1	Z	.001	.001	0	%100
116	FFTH-2	Z	.002	.002	0	%100
117	FFTH-3	Z	.001	.001	0	%100
118	SA-1	Z	.000761	.000761	0	%100
119	SF1-BH	Z	.001	.001	0	%100
120	SF1-TH	Z	.001	.001	0	%100
121	SF2-BH	Z	.0004	.0004	0	%100
122	SF2-TH	Z	.0004	.0004	0	%100
123	MP-1	Z	.002	.002	0	%100
124	MP-2	Z	.002	.002	0	%100
125	MP-3	Z	.002	.002	0	%100
126	MP-4	Z	.002	.002	0	%100
127	RRU-1	Z	.002	.002	0	%100
128	RRU-2	Z	.002	.002	0	%100
129	SA-2	Z	.000761	.000761	0	%100
130	SF3-D1	Z	.001	.001	0	%100
131	SF3-D1-X	Z	.001	.001	0	%100
132	SF4-D1	Z	.001	.001	0	%100
133	SF4-D1-X	Z	.001	.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
9	SF1-CPB	X	.005	.005	0	%100
10	SF1-CPT	X	.005	.005	0	%100
11	SF2-CPB	X	.005	.005	0	%100
12	SF2-CPT	X	.005	.005	0	%100
13	FFBH-1	X	.004	.004	0	%100
14	FFBH-2	X	.004	.004	0	%100
15	FFBH-3	X	.004	.004	0	%100
16	FFTH-1	X	.004	.004	0	%100
17	FFTH-2	X	.004	.004	0	%100
18	FFTH-3	X	.004	.004	0	%100
19	SA-1	X	.002	.002	0	%100
20	SF1-BH	X	.003	.003	0	%100
21	SF1-TH	X	.003	.003	0	%100
22	SF2-BH	X	.003	.003	0	%100
23	SF2-TH	X	.003	.003	0	%100
24	MP-1	X	.003	.003	0	%100
25	MP-2	X	.003	.003	0	%100
26	MP-3	X	.003	.003	0	%100
27	MP-4	X	.003	.003	0	%100
28	RRU-1	X	.003	.003	0	%100
29	RRU-2	X	.003	.003	0	%100
30	SA-2	X	.002	.002	0	%100
31	SF3-D1	X	.002	.002	0	%100
32	SF3-D1-X	X	.002	.002	0	%100
33	SF4-D1	X	.002	.002	0	%100
34	SF4-D1-X	X	.002	.002	0	%100
35	SF3-V1	X	.002	.002	0	%100
36	SF3-V2	X	.002	.002	0	%100
37	SF4-V1	X	.002	.002	0	%100
38	SF4-V2	X	.002	.002	0	%100
39	SF3-CPB	X	.005	.005	0	%100
40	SF3-CPT	X	.005	.005	0	%100
41	SF4-CPB	X	.005	.005	0	%100
42	SF4-CPT	X	.005	.005	0	%100
43	FFBH-4	X	.004	.004	0	%100
44	FFBH-5	X	.004	.004	0	%100
45	FFBH-6	X	.004	.004	0	%100
46	FFTH-4	X	.004	.004	0	%100
47	FFTH-5	X	.004	.004	0	%100
48	FFTH-6	X	.004	.004	0	%100
49	SA-3	X	.003	.003	0	%100
50	SF3-BH	X	.003	.003	0	%100
51	SF3-TH	X	.003	.003	0	%100
52	SF4-BH	X	.003	.003	0	%100
53	SF4-TH	X	.003	.003	0	%100
54	MP-5	X	.003	.003	0	%100
55	MP-6	X	.003	.003	0	%100
56	MP-7	X	.003	.003	0	%100
57	MP-8	X	.003	.003	0	%100
58	RRU-3	X	.003	.003	0	%100
59	RRU-4	X	.003	.003	0	%100
60	SA-4	X	.003	.003	0	%100
61	SF5-D1	X	.002	.002	0	%100
62	SF5-D1-X	X	.002	.002	0	%100
63	SF6-D1	X	.002	.002	0	%100
64	SF6-D1-X	X	.002	.002	0	%100
65	SF5-V1	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
66	SF5-V2	X	.002	.002	0	%100
67	SF6-V1	X	.002	.002	0	%100
68	SF6-V2	X	.002	.002	0	%100
69	SF5-CPB	X	.005	.005	0	%100
70	SF5-CPT	X	.005	.005	0	%100
71	SF6-CPB	X	.005	.005	0	%100
72	SF6-CPT	X	.005	.005	0	%100
73	FFBH-7	X	.004	.004	0	%100
74	FFBH-8	X	.004	.004	0	%100
75	FFBH-9	X	.004	.004	0	%100
76	FFTH-7	X	.004	.004	0	%100
77	FFTH-8	X	.004	.004	0	%100
78	FFTH-9	X	.004	.004	0	%100
79	SA-5	X	.003	.003	0	%100
80	SF5-BH	X	.003	.003	0	%100
81	SF5-TH	X	.003	.003	0	%100
82	SF6-BH	X	.003	.003	0	%100
83	SF6-TH	X	.003	.003	0	%100
84	MP-9	X	.003	.003	0	%100
85	MP-10	X	.003	.003	0	%100
86	MP-11	X	.003	.003	0	%100
87	MP-12	X	.003	.003	0	%100
88	RRU-5	X	.003	.003	0	%100
89	RRU-6	X	.003	.003	0	%100
90	SA-6	X	.003	.003	0	%100
91	PM-1	X	.003	.003	0	%100
92	MM-1	X	.006	.006	0	%100
93	MM-2	X	.006	.006	0	%100
94	PM-2	X	.003	.003	0	%100
95	MM-3	X	.006	.006	0	%100
96	MM-4	X	.006	.006	0	%100
97	PM-3	X	.003	.003	0	%100
98	MM-5	X	.006	.006	0	%100
99	MM-6	X	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	.002	.002	0	%100
2	SF1-D1-X	X	.002	.002	0	%100
3	SF2-D1	X	.002	.002	0	%100
4	SF2-D1-X	X	.002	.002	0	%100
5	SF1-V1	X	.002	.002	0	%100
6	SF1-V2	X	.002	.002	0	%100
7	SF2-V1	X	.002	.002	0	%100
8	SF2-V2	X	.002	.002	0	%100
9	SF1-CPB	X	.002	.002	0	%100
10	SF1-CPT	X	.002	.002	0	%100
11	SF2-CPB	X	.002	.002	0	%100
12	SF2-CPT	X	.002	.002	0	%100
13	FFBH-1	X	.003	.003	0	%100
14	FFBH-2	X	.003	.003	0	%100
15	FFBH-3	X	.003	.003	0	%100
16	FFTH-1	X	.003	.003	0	%100
17	FFTH-2	X	.003	.003	0	%100
18	FFTH-3	X	.003	.003	0	%100
19	SA-1	X	.000921	.000921	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,%]
97	PM-3	X	.003	.003	0	%100
98	MM-5	X	.005	.005	0	%100
99	MM-6	X	.005	.005	0	%100
100	SF1-D1	Z	-.001	-.001	0	%100
101	SF1-D1-X	Z	-.001	-.001	0	%100
102	SF2-D1	Z	-.001	-.001	0	%100
103	SF2-D1-X	Z	-.001	-.001	0	%100
104	SF1-V1	Z	-.001	-.001	0	%100
105	SF1-V2	Z	-.001	-.001	0	%100
106	SF2-V1	Z	-.001	-.001	0	%100
107	SF2-V2	Z	-.001	-.001	0	%100
108	SF1-CPB	Z	-.000951	-.000951	0	%100
109	SF1-CPT	Z	-.000951	-.000951	0	%100
110	SF2-CPB	Z	-.001	-.001	0	%100
111	SF2-CPT	Z	-.001	-.001	0	%100
112	FFBH-1	Z	-.001	-.001	0	%100
113	FFBH-2	Z	-.002	-.002	0	%100
114	FFBH-3	Z	-.001	-.001	0	%100
115	FFTH-1	Z	-.001	-.001	0	%100
116	FFTH-2	Z	-.002	-.002	0	%100
117	FFTH-3	Z	-.001	-.001	0	%100
118	SA-1	Z	-.000938	-.000938	0	%100
119	SF1-BH	Z	-.0004	-.0004	0	%100
120	SF1-TH	Z	-.0004	-.0004	0	%100
121	SF2-BH	Z	-.001	-.001	0	%100
122	SF2-TH	Z	-.001	-.001	0	%100
123	MP-1	Z	-.002	-.002	0	%100
124	MP-2	Z	-.002	-.002	0	%100
125	MP-3	Z	-.002	-.002	0	%100
126	MP-4	Z	-.002	-.002	0	%100
127	RRU-1	Z	-.002	-.002	0	%100
128	RRU-2	Z	-.002	-.002	0	%100
129	SA-2	Z	-.000938	-.000938	0	%100
130	SF3-D1	Z	-.001	-.001	0	%100
131	SF3-D1-X	Z	-.001	-.001	0	%100
132	SF4-D1	Z	-.001	-.001	0	%100
133	SF4-D1-X	Z	-.001	-.001	0	%100
134	SF3-V1	Z	-.001	-.001	0	%100
135	SF3-V2	Z	-.001	-.001	0	%100
136	SF4-V1	Z	-.001	-.001	0	%100
137	SF4-V2	Z	-.001	-.001	0	%100
138	SF3-CPB	Z	-.001	-.001	0	%100
139	SF3-CPT	Z	-.001	-.001	0	%100
140	SF4-CPB	Z	-.000951	-.000951	0	%100
141	SF4-CPT	Z	-.000951	-.000951	0	%100
142	FFBH-4	Z	-.002	-.002	0	%100
143	FFBH-5	Z	-.002	-.002	0	%100
144	FFBH-6	Z	-.002	-.002	0	%100
145	FFTH-4	Z	-.002	-.002	0	%100
146	FFTH-5	Z	-.002	-.002	0	%100
147	FFTH-6	Z	-.002	-.002	0	%100
148	SA-3	Z	-.000644	-.000644	0	%100
149	SF3-BH	Z	-.001	-.001	0	%100
150	SF3-TH	Z	-.001	-.001	0	%100
151	SF4-BH	Z	-.000419	-.000419	0	%100
152	SF4-TH	Z	-.000419	-.000419	0	%100
153	MP-5	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,%]
154	MP-6	Z	-.002	-.002	0	%100
155	MP-7	Z	-.002	-.002	0	%100
156	MP-8	Z	-.002	-.002	0	%100
157	RRU-3	Z	-.002	-.002	0	%100
158	RRU-4	Z	-.002	-.002	0	%100
159	SA-4	Z	-.000644	-.000644	0	%100
160	SF5-D1	Z	-.001	-.001	0	%100
161	SF5-D1-X	Z	-.001	-.001	0	%100
162	SF6-D1	Z	-.001	-.001	0	%100
163	SF6-D1-X	Z	-.001	-.001	0	%100
164	SF5-V1	Z	-.001	-.001	0	%100
165	SF5-V2	Z	-.001	-.001	0	%100
166	SF6-V1	Z	-.001	-.001	0	%100
167	SF6-V2	Z	-.001	-.001	0	%100
168	SF5-CPB	Z	-.002	-.002	0	%100
169	SF5-CPT	Z	-.002	-.002	0	%100
170	SF6-CPB	Z	-.002	-.002	0	%100
171	SF6-CPT	Z	-.002	-.002	0	%100
172	FFBH-7	Z	0	0	0	%100
173	FFBH-8	Z	0	0	0	%100
174	FFBH-9	Z	0	0	0	%100
175	FFTH-7	Z	0	0	0	%100
176	FFTH-8	Z	0	0	0	%100
177	FFTH-9	Z	0	0	0	%100
178	SA-5	Z	-.001	-.001	0	%100
179	SF5-BH	Z	-.00095	-.00095	0	%100
180	SF5-TH	Z	-.00095	-.00095	0	%100
181	SF6-BH	Z	-.000863	-.000863	0	%100
182	SF6-TH	Z	-.000863	-.000863	0	%100
183	MP-9	Z	-.002	-.002	0	%100
184	MP-10	Z	-.002	-.002	0	%100
185	MP-11	Z	-.002	-.002	0	%100
186	MP-12	Z	-.002	-.002	0	%100
187	RRU-5	Z	-.002	-.002	0	%100
188	RRU-6	Z	-.002	-.002	0	%100
189	SA-6	Z	-.001	-.001	0	%100
190	PM-1	Z	-.002	-.002	0	%100
191	MM-1	Z	-.002	-.002	0	%100
192	MM-2	Z	-.002	-.002	0	%100
193	PM-2	Z	-.002	-.002	0	%100
194	MM-3	Z	-.002	-.002	0	%100
195	MM-4	Z	-.002	-.002	0	%100
196	PM-3	Z	-.002	-.002	0	%100
197	MM-5	Z	-.003	-.003	0	%100
198	MM-6	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	SF1-D1	X	.002	.002	0	%100
2	SF1-D1-X	X	.002	.002	0	%100
3	SF2-D1	X	.002	.002	0	%100
4	SF2-D1-X	X	.002	.002	0	%100
5	SF1-V1	X	.002	.002	0	%100
6	SF1-V2	X	.002	.002	0	%100
7	SF2-V1	X	.002	.002	0	%100
8	SF2-V2	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
185	MP-11	Z	-.003	-.003	0	%100
186	MP-12	Z	-.003	-.003	0	%100
187	RRU-5	Z	-.003	-.003	0	%100
188	RRU-6	Z	-.003	-.003	0	%100
189	SA-6	Z	-.002	-.002	0	%100
190	PM-1	Z	-.003	-.003	0	%100
191	MM-1	Z	-.003	-.003	0	%100
192	MM-2	Z	-.003	-.003	0	%100
193	PM-2	Z	-.003	-.003	0	%100
194	MM-3	Z	-.001	-.001	0	%100
195	MM-4	Z	-.001	-.001	0	%100
196	PM-3	Z	-.003	-.003	0	%100
197	MM-5	Z	-.004	-.004	0	%100
198	MM-6	Z	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	.002	.002	0	%100
2	SF1-D1-X	X	.002	.002	0	%100
3	SF2-D1	X	.002	.002	0	%100
4	SF2-D1-X	X	.002	.002	0	%100
5	SF1-V1	X	.002	.002	0	%100
6	SF1-V2	X	.002	.002	0	%100
7	SF2-V1	X	.002	.002	0	%100
8	SF2-V2	X	.002	.002	0	%100
9	SF1-CPB	X	.002	.002	0	%100
10	SF1-CPT	X	.002	.002	0	%100
11	SF2-CPB	X	.002	.002	0	%100
12	SF2-CPT	X	.002	.002	0	%100
13	FFBH-1	X	.003	.003	0	%100
14	FFBH-2	X	.003	.003	0	%100
15	FFBH-3	X	.003	.003	0	%100
16	FFTH-1	X	.003	.003	0	%100
17	FFTH-2	X	.003	.003	0	%100
18	FFTH-3	X	.003	.003	0	%100
19	SA-1	X	.001	.001	0	%100
20	SF1-BH	X	.0007	.0007	0	%100
21	SF1-TH	X	.0007	.0007	0	%100
22	SF2-BH	X	.002	.002	0	%100
23	SF2-TH	X	.002	.002	0	%100
24	MP-1	X	.003	.003	0	%100
25	MP-2	X	.003	.003	0	%100
26	MP-3	X	.003	.003	0	%100
27	MP-4	X	.003	.003	0	%100
28	RRU-1	X	.003	.003	0	%100
29	RRU-2	X	.003	.003	0	%100
30	SA-2	X	.001	.001	0	%100
31	SF3-D1	X	.002	.002	0	%100
32	SF3-D1-X	X	.002	.002	0	%100
33	SF4-D1	X	.002	.002	0	%100
34	SF4-D1-X	X	.002	.002	0	%100
35	SF3-V1	X	.002	.002	0	%100
36	SF3-V2	X	.002	.002	0	%100
37	SF4-V1	X	.002	.002	0	%100
38	SF4-V2	X	.002	.002	0	%100
39	SF3-CPB	X	.002	.002	0	%100

RISA A NELETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
40	SF3-CPT	X	.002	.002	0	%100
41	SF4-CPB	X	.002	.002	0	%100
42	SF4-CPT	X	.002	.002	0	%100
43	FFBH-4	X	.003	.003	0	%100
44	FFBH-5	X	.003	.003	0	%100
45	FFBH-6	X	.003	.003	0	%100
46	FFTH-4	X	.003	.003	0	%100
47	FFTH-5	X	.003	.003	0	%100
48	FFTH-6	X	.003	.003	0	%100
49	SA-3	X	.001	.001	0	%100
50	SF3-BH	X	.002	.002	0	%100
51	SF3-TH	X	.002	.002	0	%100
52	SF4-BH	X	.000659	.000659	0	%100
53	SF4-TH	X	.000659	.000659	0	%100
54	MP-5	X	.003	.003	0	%100
55	MP-6	X	.003	.003	0	%100
56	MP-7	X	.003	.003	0	%100
57	MP-8	X	.003	.003	0	%100
58	RRU-3	X	.003	.003	0	%100
59	RRU-4	X	.003	.003	0	%100
60	SA-4	X	.001	.001	0	%100
61	SF5-D1	X	.002	.002	0	%100
62	SF5-D1-X	X	.002	.002	0	%100
63	SF6-D1	X	.002	.002	0	%100
64	SF6-D1-X	X	.002	.002	0	%100
65	SF5-V1	X	.002	.002	0	%100
66	SF5-V2	X	.002	.002	0	%100
67	SF6-V1	X	.002	.002	0	%100
68	SF6-V2	X	.002	.002	0	%100
69	SF5-CPB	X	.004	.004	0	%100
70	SF5-CPT	X	.004	.004	0	%100
71	SF6-CPB	X	.004	.004	0	%100
72	SF6-CPT	X	.004	.004	0	%100
73	FFBH-7	X	0	0	0	%100
74	FFBH-8	X	0	0	0	%100
75	FFBH-9	X	0	0	0	%100
76	FFTH-7	X	0	0	0	%100
77	FFTH-8	X	0	0	0	%100
78	FFTH-9	X	0	0	0	%100
79	SA-5	X	.003	.003	0	%100
80	SF5-BH	X	.001	.001	0	%100
81	SF5-TH	X	.001	.001	0	%100
82	SF6-BH	X	.002	.002	0	%100
83	SF6-TH	X	.002	.002	0	%100
84	MP-9	X	.003	.003	0	%100
85	MP-10	X	.003	.003	0	%100
86	MP-11	X	.003	.003	0	%100
87	MP-12	X	.003	.003	0	%100
88	RRU-5	X	.003	.003	0	%100
89	RRU-6	X	.003	.003	0	%100
90	SA-6	X	.003	.003	0	%100
91	PM-1	X	.003	.003	0	%100
92	MM-1	X	.003	.003	0	%100
93	MM-2	X	.003	.003	0	%100
94	PM-2	X	.003	.003	0	%100
95	MM-3	X	.003	.003	0	%100
96	MM-4	X	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
71	SF6-CPB	X	.003	.003	0	%100
72	SF6-CPT	X	.003	.003	0	%100
73	FFBH-7	X	.000642	.000642	0	%100
74	FFBH-8	X	.000642	.000642	0	%100
75	FFBH-9	X	.000642	.000642	0	%100
76	FFTH-7	X	.000642	.000642	0	%100
77	FFTH-8	X	.000642	.000642	0	%100
78	FFTH-9	X	.000642	.000642	0	%100
79	SA-5	X	.002	.002	0	%100
80	SF5-BH	X	.002	.002	0	%100
81	SF5-TH	X	.002	.002	0	%100
82	SF6-BH	X	.000917	.000917	0	%100
83	SF6-TH	X	.000917	.000917	0	%100
84	MP-9	X	.002	.002	0	%100
85	MP-10	X	.002	.002	0	%100
86	MP-11	X	.002	.002	0	%100
87	MP-12	X	.002	.002	0	%100
88	RRU-5	X	.002	.002	0	%100
89	RRU-6	X	.002	.002	0	%100
90	SA-6	X	.002	.002	0	%100
91	PM-1	X	.002	.002	0	%100
92	MM-1	X	.003	.003	0	%100
93	MM-2	X	.003	.003	0	%100
94	PM-2	X	.002	.002	0	%100
95	MM-3	X	.001	.001	0	%100
96	MM-4	X	.001	.001	0	%100
97	PM-3	X	.002	.002	0	%100
98	MM-5	X	.004	.004	0	%100
99	MM-6	X	.004	.004	0	%100
100	SF1-D1	Z	-.002	-.002	0	%100
101	SF1-D1-X	Z	-.002	-.002	0	%100
102	SF2-D1	Z	-.002	-.002	0	%100
103	SF2-D1-X	Z	-.002	-.002	0	%100
104	SF1-V1	Z	-.002	-.002	0	%100
105	SF1-V2	Z	-.002	-.002	0	%100
106	SF2-V1	Z	-.002	-.002	0	%100
107	SF2-V2	Z	-.002	-.002	0	%100
108	SF1-CPB	Z	-.002	-.002	0	%100
109	SF1-CPT	Z	-.002	-.002	0	%100
110	SF2-CPB	Z	-.003	-.003	0	%100
111	SF2-CPT	Z	-.003	-.003	0	%100
112	FFBH-1	Z	-.001	-.001	0	%100
113	FFBH-2	Z	-.002	-.002	0	%100
114	FFBH-3	Z	-.001	-.001	0	%100
115	FFTH-1	Z	-.001	-.001	0	%100
116	FFTH-2	Z	-.002	-.002	0	%100
117	FFTH-3	Z	-.001	-.001	0	%100
118	SA-1	Z	-.002	-.002	0	%100
119	SF1-BH	Z	-7.9e-5	-7.9e-5	0	%100
120	SF1-TH	Z	-7.9e-5	-7.9e-5	0	%100
121	SF2-BH	Z	-.002	-.002	0	%100
122	SF2-TH	Z	-.002	-.002	0	%100
123	MP-1	Z	-.003	-.003	0	%100
124	MP-2	Z	-.003	-.003	0	%100
125	MP-3	Z	-.003	-.003	0	%100
126	MP-4	Z	-.003	-.003	0	%100
127	RRU-1	Z	-.003	-.003	0	%100

RISA A NEUTSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
128	RRU-2	Z	-.003	-.003	0	%100
129	SA-2	Z	-.002	-.002	0	%100
130	SF3-D1	Z	-.002	-.002	0	%100
131	SF3-D1-X	Z	-.002	-.002	0	%100
132	SF4-D1	Z	-.002	-.002	0	%100
133	SF4-D1-X	Z	-.002	-.002	0	%100
134	SF3-V1	Z	-.002	-.002	0	%100
135	SF3-V2	Z	-.002	-.002	0	%100
136	SF4-V1	Z	-.002	-.002	0	%100
137	SF4-V2	Z	-.002	-.002	0	%100
138	SF3-CPB	Z	-.001	-.001	0	%100
139	SF3-CPT	Z	-.001	-.001	0	%100
140	SF4-CPB	Z	-.000509	-.000509	0	%100
141	SF4-CPT	Z	-.000509	-.000509	0	%100
142	FFBH-4	Z	-.003	-.003	0	%100
143	FFBH-5	Z	-.003	-.003	0	%100
144	FFBH-6	Z	-.003	-.003	0	%100
145	FFTH-4	Z	-.003	-.003	0	%100
146	FFTH-5	Z	-.003	-.003	0	%100
147	FFTH-6	Z	-.003	-.003	0	%100
148	SA-3	Z	-.000408	-.000408	0	%100
149	SF3-BH	Z	-.002	-.002	0	%100
150	SF3-TH	Z	-.002	-.002	0	%100
151	SF4-BH	Z	-.001	-.001	0	%100
152	SF4-TH	Z	-.001	-.001	0	%100
153	MP-5	Z	-.003	-.003	0	%100
154	MP-6	Z	-.003	-.003	0	%100
155	MP-7	Z	-.003	-.003	0	%100
156	MP-8	Z	-.003	-.003	0	%100
157	RRU-3	Z	-.003	-.003	0	%100
158	RRU-4	Z	-.003	-.003	0	%100
159	SA-4	Z	-.000408	-.000408	0	%100
160	SF5-D1	Z	-.002	-.002	0	%100
161	SF5-D1-X	Z	-.002	-.002	0	%100
162	SF6-D1	Z	-.002	-.002	0	%100
163	SF6-D1-X	Z	-.002	-.002	0	%100
164	SF5-V1	Z	-.002	-.002	0	%100
165	SF5-V2	Z	-.002	-.002	0	%100
166	SF6-V1	Z	-.002	-.002	0	%100
167	SF6-V2	Z	-.002	-.002	0	%100
168	SF5-CPB	Z	-.003	-.003	0	%100
169	SF5-CPT	Z	-.003	-.003	0	%100
170	SF6-CPB	Z	-.003	-.003	0	%100
171	SF6-CPT	Z	-.003	-.003	0	%100
172	FFBH-7	Z	-.000793	-.000793	0	%100
173	FFBH-8	Z	-.000793	-.000793	0	%100
174	FFBH-9	Z	-.000793	-.000793	0	%100
175	FFTH-7	Z	-.000793	-.000793	0	%100
176	FFTH-8	Z	-.000793	-.000793	0	%100
177	FFTH-9	Z	-.000793	-.000793	0	%100
178	SA-5	Z	-.002	-.002	0	%100
179	SF5-BH	Z	-.002	-.002	0	%100
180	SF5-TH	Z	-.002	-.002	0	%100
181	SF6-BH	Z	-.000835	-.000835	0	%100
182	SF6-TH	Z	-.000835	-.000835	0	%100
183	MP-9	Z	-.003	-.003	0	%100
184	MP-10	Z	-.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,%]
159	SA-4	Z	-.00015	-.00015	0	%100
160	SF5-D1	Z	-.002	-.002	0	%100
161	SF5-D1-X	Z	-.002	-.002	0	%100
162	SF6-D1	Z	-.002	-.002	0	%100
163	SF6-D1-X	Z	-.002	-.002	0	%100
164	SF5-V1	Z	-.002	-.002	0	%100
165	SF5-V2	Z	-.002	-.002	0	%100
166	SF6-V1	Z	-.002	-.002	0	%100
167	SF6-V2	Z	-.002	-.002	0	%100
168	SF5-CPB	Z	-.004	-.004	0	%100
169	SF5-CPT	Z	-.004	-.004	0	%100
170	SF6-CPB	Z	-.003	-.003	0	%100
171	SF6-CPT	Z	-.003	-.003	0	%100
172	FFBH-7	Z	-.002	-.002	0	%100
173	FFBH-8	Z	-.002	-.002	0	%100
174	FFBH-9	Z	-.002	-.002	0	%100
175	FFTH-7	Z	-.002	-.002	0	%100
176	FFTH-8	Z	-.002	-.002	0	%100
177	FFTH-9	Z	-.002	-.002	0	%100
178	SA-5	Z	-.002	-.002	0	%100
179	SF5-BH	Z	-.002	-.002	0	%100
180	SF5-TH	Z	-.002	-.002	0	%100
181	SF6-BH	Z	-.000482	-.000482	0	%100
182	SF6-TH	Z	-.000482	-.000482	0	%100
183	MP-9	Z	-.003	-.003	0	%100
184	MP-10	Z	-.003	-.003	0	%100
185	MP-11	Z	-.003	-.003	0	%100
186	MP-12	Z	-.003	-.003	0	%100
187	RRU-5	Z	-.003	-.003	0	%100
188	RRU-6	Z	-.003	-.003	0	%100
189	SA-6	Z	-.002	-.002	0	%100
190	PM-1	Z	-.003	-.003	0	%100
191	MM-1	Z	-.005	-.005	0	%100
192	MM-2	Z	-.005	-.005	0	%100
193	PM-2	Z	-.003	-.003	0	%100
194	MM-3	Z	0	0	0	%100
195	MM-4	Z	0	0	0	%100
196	PM-3	Z	-.003	-.003	0	%100
197	MM-5	Z	-.005	-.005	0	%100
198	MM-6	Z	-.005	-.005	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	SF1-D1	X	.002	.002	0	%100
2	SF1-D1-X	X	.002	.002	0	%100
3	SF2-D1	X	.002	.002	0	%100
4	SF2-D1-X	X	.002	.002	0	%100
5	SF1-V1	X	.001	.001	0	%100
6	SF1-V2	X	.001	.001	0	%100
7	SF2-V1	X	.001	.001	0	%100
8	SF2-V2	X	.001	.001	0	%100
9	SF1-CPB	X	.002	.002	0	%100
10	SF1-CPT	X	.002	.002	0	%100
11	SF2-CPB	X	.003	.003	0	%100
12	SF2-CPT	X	.003	.003	0	%100
13	FFBH-1	X	.002	.002	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,%]
14	FFBH-2	X	.002	.002	0	%100
15	FFBH-3	X	.002	.002	0	%100
16	FFTH-1	X	.002	.002	0	%100
17	FFTH-2	X	.002	.002	0	%100
18	FFTH-3	X	.002	.002	0	%100
19	SA-1	X	.001	.001	0	%100
20	SF1-BH	X	7.9e-5	7.9e-5	0	%100
21	SF1-TH	X	7.9e-5	7.9e-5	0	%100
22	SF2-BH	X	.002	.002	0	%100
23	SF2-TH	X	.002	.002	0	%100
24	MP-1	X	.002	.002	0	%100
25	MP-2	X	.002	.002	0	%100
26	MP-3	X	.002	.002	0	%100
27	MP-4	X	.002	.002	0	%100
28	RRU-1	X	.002	.002	0	%100
29	RRU-2	X	.002	.002	0	%100
30	SA-2	X	.001	.001	0	%100
31	SF3-D1	X	.002	.002	0	%100
32	SF3-D1-X	X	.002	.002	0	%100
33	SF4-D1	X	.002	.002	0	%100
34	SF4-D1-X	X	.002	.002	0	%100
35	SF3-V1	X	.001	.001	0	%100
36	SF3-V2	X	.001	.001	0	%100
37	SF4-V1	X	.001	.001	0	%100
38	SF4-V2	X	.001	.001	0	%100
39	SF3-CPB	X	.001	.001	0	%100
40	SF3-CPT	X	.001	.001	0	%100
41	SF4-CPB	X	.000509	.000509	0	%100
42	SF4-CPT	X	.000509	.000509	0	%100
43	FFBH-4	X	.002	.002	0	%100
44	FFBH-5	X	.002	.002	0	%100
45	FFBH-6	X	.002	.002	0	%100
46	FFTH-4	X	.002	.002	0	%100
47	FFTH-5	X	.002	.002	0	%100
48	FFTH-6	X	.002	.002	0	%100
49	SA-3	X	.000455	.000455	0	%100
50	SF3-BH	X	.002	.002	0	%100
51	SF3-TH	X	.002	.002	0	%100
52	SF4-BH	X	.000965	.000965	0	%100
53	SF4-TH	X	.000965	.000965	0	%100
54	MP-5	X	.002	.002	0	%100
55	MP-6	X	.002	.002	0	%100
56	MP-7	X	.002	.002	0	%100
57	MP-8	X	.002	.002	0	%100
58	RRU-3	X	.002	.002	0	%100
59	RRU-4	X	.002	.002	0	%100
60	SA-4	X	.000455	.000455	0	%100
61	SF5-D1	X	.002	.002	0	%100
62	SF5-D1-X	X	.002	.002	0	%100
63	SF6-D1	X	.002	.002	0	%100
64	SF6-D1-X	X	.002	.002	0	%100
65	SF5-V1	X	.001	.001	0	%100
66	SF5-V2	X	.001	.001	0	%100
67	SF6-V1	X	.001	.001	0	%100
68	SF6-V2	X	.001	.001	0	%100
69	SF5-CPB	X	.003	.003	0	%100
70	SF5-CPT	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,%]
45	FFBH-6	X	.002	.002	0	%100
46	FFTH-4	X	.002	.002	0	%100
47	FFTH-5	X	.002	.002	0	%100
48	FFTH-6	X	.002	.002	0	%100
49	SA-3	X	9.7e-5	9.7e-5	0	%100
50	SF3-BH	X	.001	.001	0	%100
51	SF3-TH	X	.001	.001	0	%100
52	SF4-BH	X	.000937	.000937	0	%100
53	SF4-TH	X	.000937	.000937	0	%100
54	MP-5	X	.002	.002	0	%100
55	MP-6	X	.002	.002	0	%100
56	MP-7	X	.002	.002	0	%100
57	MP-8	X	.002	.002	0	%100
58	RRU-3	X	.002	.002	0	%100
59	RRU-4	X	.002	.002	0	%100
60	SA-4	X	9.7e-5	9.7e-5	0	%100
61	SF5-D1	X	.001	.001	0	%100
62	SF5-D1-X	X	.001	.001	0	%100
63	SF6-D1	X	.001	.001	0	%100
64	SF6-D1-X	X	.001	.001	0	%100
65	SF5-V1	X	.000983	.000983	0	%100
66	SF5-V2	X	.000983	.000983	0	%100
67	SF6-V1	X	.000983	.000983	0	%100
68	SF6-V2	X	.000983	.000983	0	%100
69	SF5-CPB	X	.002	.002	0	%100
70	SF5-CPT	X	.002	.002	0	%100
71	SF6-CPB	X	.002	.002	0	%100
72	SF6-CPT	X	.002	.002	0	%100
73	FFBH-7	X	.000877	.000877	0	%100
74	FFBH-8	X	.000877	.000877	0	%100
75	FFBH-9	X	.000877	.000877	0	%100
76	FFTH-7	X	.000877	.000877	0	%100
77	FFTH-8	X	.000877	.000877	0	%100
78	FFTH-9	X	.000877	.000877	0	%100
79	SA-5	X	.001	.001	0	%100
80	SF5-BH	X	.001	.001	0	%100
81	SF5-TH	X	.001	.001	0	%100
82	SF6-BH	X	.000306	.000306	0	%100
83	SF6-TH	X	.000306	.000306	0	%100
84	MP-9	X	.002	.002	0	%100
85	MP-10	X	.002	.002	0	%100
86	MP-11	X	.002	.002	0	%100
87	MP-12	X	.002	.002	0	%100
88	RRU-5	X	.002	.002	0	%100
89	RRU-6	X	.002	.002	0	%100
90	SA-6	X	.001	.001	0	%100
91	PM-1	X	.002	.002	0	%100
92	MM-1	X	.003	.003	0	%100
93	MM-2	X	.003	.003	0	%100
94	PM-2	X	.002	.002	0	%100
95	MM-3	X	0	0	0	%100
96	MM-4	X	0	0	0	%100
97	PM-3	X	.002	.002	0	%100
98	MM-5	X	.003	.003	0	%100
99	MM-6	X	.003	.003	0	%100
100	SF1-D1	Z	-.002	-.002	0	%100
101	SF1-D1-X	Z	-.002	-.002	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)

Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
102	SF2-D1	Z	-.002	-.002	0	%100
103	SF2-D1-X	Z	-.002	-.002	0	%100
104	SF1-V1	Z	-.002	-.002	0	%100
105	SF1-V2	Z	-.002	-.002	0	%100
106	SF2-V1	Z	-.002	-.002	0	%100
107	SF2-V2	Z	-.002	-.002	0	%100
108	SF1-CPB	Z	-.003	-.003	0	%100
109	SF1-CPT	Z	-.003	-.003	0	%100
110	SF2-CPB	Z	-.004	-.004	0	%100
111	SF2-CPT	Z	-.004	-.004	0	%100
112	FFBH-1	Z	-.001	-.001	0	%100
113	FFBH-2	Z	-.002	-.002	0	%100
114	FFBH-3	Z	-.001	-.001	0	%100
115	FFTH-1	Z	-.001	-.001	0	%100
116	FFTH-2	Z	-.002	-.002	0	%100
117	FFTH-3	Z	-.001	-.001	0	%100
118	SA-1	Z	-.003	-.003	0	%100
119	SF1-BH	Z	-.000507	-.000507	0	%100
120	SF1-TH	Z	-.000507	-.000507	0	%100
121	SF2-BH	Z	-.002	-.002	0	%100
122	SF2-TH	Z	-.002	-.002	0	%100
123	MP-1	Z	-.003	-.003	0	%100
124	MP-2	Z	-.003	-.003	0	%100
125	MP-3	Z	-.003	-.003	0	%100
126	MP-4	Z	-.003	-.003	0	%100
127	RRU-1	Z	-.003	-.003	0	%100
128	RRU-2	Z	-.003	-.003	0	%100
129	SA-2	Z	-.003	-.003	0	%100
130	SF3-D1	Z	-.002	-.002	0	%100
131	SF3-D1-X	Z	-.002	-.002	0	%100
132	SF4-D1	Z	-.002	-.002	0	%100
133	SF4-D1-X	Z	-.002	-.002	0	%100
134	SF3-V1	Z	-.002	-.002	0	%100
135	SF3-V2	Z	-.002	-.002	0	%100
136	SF4-V1	Z	-.002	-.002	0	%100
137	SF4-V2	Z	-.002	-.002	0	%100
138	SF3-CPB	Z	-.000443	-.000443	0	%100
139	SF3-CPT	Z	-.000443	-.000443	0	%100
140	SF4-CPB	Z	-.000443	-.000443	0	%100
141	SF4-CPT	Z	-.000443	-.000443	0	%100
142	FFBH-4	Z	-.004	-.004	0	%100
143	FFBH-5	Z	-.004	-.004	0	%100
144	FFBH-6	Z	-.004	-.004	0	%100
145	FFTH-4	Z	-.004	-.004	0	%100
146	FFTH-5	Z	-.004	-.004	0	%100
147	FFTH-6	Z	-.004	-.004	0	%100
148	SA-3	Z	-.00015	-.00015	0	%100
149	SF3-BH	Z	-.002	-.002	0	%100
150	SF3-TH	Z	-.002	-.002	0	%100
151	SF4-BH	Z	-.002	-.002	0	%100
152	SF4-TH	Z	-.002	-.002	0	%100
153	MP-5	Z	-.003	-.003	0	%100
154	MP-6	Z	-.003	-.003	0	%100
155	MP-7	Z	-.003	-.003	0	%100
156	MP-8	Z	-.003	-.003	0	%100
157	RRU-3	Z	-.003	-.003	0	%100
158	RRU-4	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
34	SF4-D1-X	Z	-.002	-.002	0	%100
35	SF3-V1	Z	-.002	-.002	0	%100
36	SF3-V2	Z	-.002	-.002	0	%100
37	SF4-V1	Z	-.002	-.002	0	%100
38	SF4-V2	Z	-.002	-.002	0	%100
39	SF3-CPB	Z	-.002	-.002	0	%100
40	SF3-CPT	Z	-.002	-.002	0	%100
41	SF4-CPB	Z	-.003	-.003	0	%100
42	SF4-CPT	Z	-.003	-.003	0	%100
43	FFBH-4	Z	-.004	-.004	0	%100
44	FFBH-5	Z	-.004	-.004	0	%100
45	FFBH-6	Z	-.004	-.004	0	%100
46	FFTH-4	Z	-.004	-.004	0	%100
47	FFTH-5	Z	-.004	-.004	0	%100
48	FFTH-6	Z	-.004	-.004	0	%100
49	SA-3	Z	-.002	-.002	0	%100
50	SF3-BH	Z	-.000761	-.000761	0	%100
51	SF3-TH	Z	-.000761	-.000761	0	%100
52	SF4-BH	Z	-.003	-.003	0	%100
53	SF4-TH	Z	-.003	-.003	0	%100
54	MP-5	Z	-.004	-.004	0	%100
55	MP-6	Z	-.004	-.004	0	%100
56	MP-7	Z	-.004	-.004	0	%100
57	MP-8	Z	-.004	-.004	0	%100
58	RRU-3	Z	-.004	-.004	0	%100
59	RRU-4	Z	-.004	-.004	0	%100
60	SA-4	Z	-.002	-.002	0	%100
61	SF5-D1	Z	-.002	-.002	0	%100
62	SF5-D1-X	Z	-.002	-.002	0	%100
63	SF6-D1	Z	-.002	-.002	0	%100
64	SF6-D1-X	Z	-.002	-.002	0	%100
65	SF5-V1	Z	-.002	-.002	0	%100
66	SF5-V2	Z	-.002	-.002	0	%100
67	SF6-V1	Z	-.002	-.002	0	%100
68	SF6-V2	Z	-.002	-.002	0	%100
69	SF5-CPB	Z	-.003	-.003	0	%100
70	SF5-CPT	Z	-.003	-.003	0	%100
71	SF6-CPB	Z	-.002	-.002	0	%100
72	SF6-CPT	Z	-.002	-.002	0	%100
73	FFBH-7	Z	-.004	-.004	0	%100
74	FFBH-8	Z	-.004	-.004	0	%100
75	FFBH-9	Z	-.004	-.004	0	%100
76	FFTH-7	Z	-.004	-.004	0	%100
77	FFTH-8	Z	-.004	-.004	0	%100
78	FFTH-9	Z	-.004	-.004	0	%100
79	SA-5	Z	-.001	-.001	0	%100
80	SF5-BH	Z	-.003	-.003	0	%100
81	SF5-TH	Z	-.003	-.003	0	%100
82	SF6-BH	Z	-.000761	-.000761	0	%100
83	SF6-TH	Z	-.000761	-.000761	0	%100
84	MP-9	Z	-.004	-.004	0	%100
85	MP-10	Z	-.004	-.004	0	%100
86	MP-11	Z	-.004	-.004	0	%100
87	MP-12	Z	-.004	-.004	0	%100
88	RRU-5	Z	-.004	-.004	0	%100
89	RRU-6	Z	-.004	-.004	0	%100
90	SA-6	Z	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
91	PM-1	Z	-.004	-.004	0	%100
92	MM-1	Z	-.006	-.006	0	%100
93	MM-2	Z	-.006	-.006	0	%100
94	PM-2	Z	-.004	-.004	0	%100
95	MM-3	Z	-.003	-.003	0	%100
96	MM-4	Z	-.003	-.003	0	%100
97	PM-3	Z	-.004	-.004	0	%100
98	MM-5	Z	-.003	-.003	0	%100
99	MM-6	Z	-.003	-.003	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	SF1-D1	X	.001	.001	0	%100
2	SF1-D1-X	X	.001	.001	0	%100
3	SF2-D1	X	.001	.001	0	%100
4	SF2-D1-X	X	.001	.001	0	%100
5	SF1-V1	X	.000983	.000983	0	%100
6	SF1-V2	X	.000983	.000983	0	%100
7	SF2-V1	X	.000983	.000983	0	%100
8	SF2-V2	X	.000983	.000983	0	%100
9	SF1-CPB	X	.002	.002	0	%100
10	SF1-CPT	X	.002	.002	0	%100
11	SF2-CPB	X	.002	.002	0	%100
12	SF2-CPT	X	.002	.002	0	%100
13	FFBH-1	X	.001	.001	0	%100
14	FFBH-2	X	.001	.001	0	%100
15	FFBH-3	X	.001	.001	0	%100
16	FFTH-1	X	.001	.001	0	%100
17	FFTH-2	X	.001	.001	0	%100
18	FFTH-3	X	.001	.001	0	%100
19	SA-1	X	.001	.001	0	%100
20	SF1-BH	X	.000296	.000296	0	%100
21	SF1-TH	X	.000296	.000296	0	%100
22	SF2-BH	X	.001	.001	0	%100
23	SF2-TH	X	.001	.001	0	%100
24	MP-1	X	.002	.002	0	%100
25	MP-2	X	.002	.002	0	%100
26	MP-3	X	.002	.002	0	%100
27	MP-4	X	.002	.002	0	%100
28	RRU-1	X	.002	.002	0	%100
29	RRU-2	X	.002	.002	0	%100
30	SA-2	X	.001	.001	0	%100
31	SF3-D1	X	.001	.001	0	%100
32	SF3-D1-X	X	.001	.001	0	%100
33	SF4-D1	X	.001	.001	0	%100
34	SF4-D1-X	X	.001	.001	0	%100
35	SF3-V1	X	.000983	.000983	0	%100
36	SF3-V2	X	.000983	.000983	0	%100
37	SF4-V1	X	.000983	.000983	0	%100
38	SF4-V2	X	.000983	.000983	0	%100
39	SF3-CPB	X	.000256	.000256	0	%100
40	SF3-CPT	X	.000256	.000256	0	%100
41	SF4-CPB	X	.000256	.000256	0	%100
42	SF4-CPT	X	.000256	.000256	0	%100
43	FFBH-4	X	.002	.002	0	%100
44	FFBH-5	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
122	SF2-TH	Z	-.000507	-.000507	0	%100
123	MP-1	Z	-.003	-.003	0	%100
124	MP-2	Z	-.003	-.003	0	%100
125	MP-3	Z	-.003	-.003	0	%100
126	MP-4	Z	-.003	-.003	0	%100
127	RRU-1	Z	-.003	-.003	0	%100
128	RRU-2	Z	-.003	-.003	0	%100
129	SA-2	Z	-.002	-.002	0	%100
130	SF3-D1	Z	-.002	-.002	0	%100
131	SF3-D1-X	Z	-.002	-.002	0	%100
132	SF4-D1	Z	-.002	-.002	0	%100
133	SF4-D1-X	Z	-.002	-.002	0	%100
134	SF3-V1	Z	-.002	-.002	0	%100
135	SF3-V2	Z	-.002	-.002	0	%100
136	SF4-V1	Z	-.002	-.002	0	%100
137	SF4-V2	Z	-.002	-.002	0	%100
138	SF3-CPB	Z	-.003	-.003	0	%100
139	SF3-CPT	Z	-.003	-.003	0	%100
140	SF4-CPB	Z	-.004	-.004	0	%100
141	SF4-CPT	Z	-.004	-.004	0	%100
142	FFBH-4	Z	-.002	-.002	0	%100
143	FFBH-5	Z	-.002	-.002	0	%100
144	FFBH-6	Z	-.002	-.002	0	%100
145	FFTH-4	Z	-.002	-.002	0	%100
146	FFTH-5	Z	-.002	-.002	0	%100
147	FFTH-6	Z	-.002	-.002	0	%100
148	SA-3	Z	-.002	-.002	0	%100
149	SF3-BH	Z	-.000482	-.000482	0	%100
150	SF3-TH	Z	-.000482	-.000482	0	%100
151	SF4-BH	Z	-.002	-.002	0	%100
152	SF4-TH	Z	-.002	-.002	0	%100
153	MP-5	Z	-.003	-.003	0	%100
154	MP-6	Z	-.003	-.003	0	%100
155	MP-7	Z	-.003	-.003	0	%100
156	MP-8	Z	-.003	-.003	0	%100
157	RRU-3	Z	-.003	-.003	0	%100
158	RRU-4	Z	-.003	-.003	0	%100
159	SA-4	Z	-.002	-.002	0	%100
160	SF5-D1	Z	-.002	-.002	0	%100
161	SF5-D1-X	Z	-.002	-.002	0	%100
162	SF6-D1	Z	-.002	-.002	0	%100
163	SF6-D1-X	Z	-.002	-.002	0	%100
164	SF5-V1	Z	-.002	-.002	0	%100
165	SF5-V2	Z	-.002	-.002	0	%100
166	SF6-V1	Z	-.002	-.002	0	%100
167	SF6-V2	Z	-.002	-.002	0	%100
168	SF5-CPB	Z	-.000443	-.000443	0	%100
169	SF5-CPT	Z	-.000443	-.000443	0	%100
170	SF6-CPB	Z	-.000443	-.000443	0	%100
171	SF6-CPT	Z	-.000443	-.000443	0	%100
172	FFBH-7	Z	-.004	-.004	0	%100
173	FFBH-8	Z	-.004	-.004	0	%100
174	FFBH-9	Z	-.004	-.004	0	%100
175	FFTH-7	Z	-.004	-.004	0	%100
176	FFTH-8	Z	-.004	-.004	0	%100
177	FFTH-9	Z	-.004	-.004	0	%100
178	SA-5	Z	-.000144	-.000144	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
179	SF5-BH	Z	-.002	-.002	0	%100
180	SF5-TH	Z	-.002	-.002	0	%100
181	SF6-BH	Z	-.002	-.002	0	%100
182	SF6-TH	Z	-.002	-.002	0	%100
183	MP-9	Z	-.003	-.003	0	%100
184	MP-10	Z	-.003	-.003	0	%100
185	MP-11	Z	-.003	-.003	0	%100
186	MP-12	Z	-.003	-.003	0	%100
187	RRU-5	Z	-.003	-.003	0	%100
188	RRU-6	Z	-.003	-.003	0	%100
189	SA-6	Z	-.000144	-.000144	0	%100
190	PM-1	Z	-.003	-.003	0	%100
191	MM-1	Z	-.005	-.005	0	%100
192	MM-2	Z	-.005	-.005	0	%100
193	PM-2	Z	-.003	-.003	0	%100
194	MM-3	Z	-.005	-.005	0	%100
195	MM-4	Z	-.005	-.005	0	%100
196	PM-3	Z	-.003	-.003	0	%100
197	MM-5	Z	0	0	0	%100
198	MM-6	Z	0	0	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	SF1-D1	Z	-.002	-.002	0	%100
2	SF1-D1-X	Z	-.002	-.002	0	%100
3	SF2-D1	Z	-.002	-.002	0	%100
4	SF2-D1-X	Z	-.002	-.002	0	%100
5	SF1-V1	Z	-.002	-.002	0	%100
6	SF1-V2	Z	-.002	-.002	0	%100
7	SF2-V1	Z	-.002	-.002	0	%100
8	SF2-V2	Z	-.002	-.002	0	%100
9	SF1-CPB	Z	-.005	-.005	0	%100
10	SF1-CPT	Z	-.005	-.005	0	%100
11	SF2-CPB	Z	-.005	-.005	0	%100
12	SF2-CPT	Z	-.005	-.005	0	%100
13	FFBH-1	Z	0	0	0	%100
14	FFBH-2	Z	0	0	0	%100
15	FFBH-3	Z	0	0	0	%100
16	FFTH-1	Z	0	0	0	%100
17	FFTH-2	Z	0	0	0	%100
18	FFTH-3	Z	0	0	0	%100
19	SA-1	Z	-.003	-.003	0	%100
20	SF1-BH	Z	-.002	-.002	0	%100
21	SF1-TH	Z	-.002	-.002	0	%100
22	SF2-BH	Z	-.002	-.002	0	%100
23	SF2-TH	Z	-.002	-.002	0	%100
24	MP-1	Z	-.004	-.004	0	%100
25	MP-2	Z	-.004	-.004	0	%100
26	MP-3	Z	-.004	-.004	0	%100
27	MP-4	Z	-.004	-.004	0	%100
28	RRU-1	Z	-.004	-.004	0	%100
29	RRU-2	Z	-.004	-.004	0	%100
30	SA-2	Z	-.003	-.003	0	%100
31	SF3-D1	Z	-.002	-.002	0	%100
32	SF3-D1-X	Z	-.002	-.002	0	%100
33	SF4-D1	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
8	SF2-V2	X	-.000983	-.000983	0	%100
9	SF1-CPB	X	-.002	-.002	0	%100
10	SF1-CPT	X	-.002	-.002	0	%100
11	SF2-CPB	X	-.002	-.002	0	%100
12	SF2-CPT	X	-.002	-.002	0	%100
13	FFBH-1	X	-.001	-.001	0	%100
14	FFBH-2	X	-.001	-.001	0	%100
15	FFBH-3	X	-.001	-.001	0	%100
16	FFTH-1	X	-.001	-.001	0	%100
17	FFTH-2	X	-.001	-.001	0	%100
18	FFTH-3	X	-.001	-.001	0	%100
19	SA-1	X	-.000992	-.000992	0	%100
20	SF1-BH	X	-.001	-.001	0	%100
21	SF1-TH	X	-.001	-.001	0	%100
22	SF2-BH	X	-.000296	-.000296	0	%100
23	SF2-TH	X	-.000296	-.000296	0	%100
24	MP-1	X	-.002	-.002	0	%100
25	MP-2	X	-.002	-.002	0	%100
26	MP-3	X	-.002	-.002	0	%100
27	MP-4	X	-.002	-.002	0	%100
28	RRU-1	X	-.002	-.002	0	%100
29	RRU-2	X	-.002	-.002	0	%100
30	SA-2	X	-.000992	-.000992	0	%100
31	SF3-D1	X	-.001	-.001	0	%100
32	SF3-D1-X	X	-.001	-.001	0	%100
33	SF4-D1	X	-.001	-.001	0	%100
34	SF4-D1-X	X	-.001	-.001	0	%100
35	SF3-V1	X	-.000983	-.000983	0	%100
36	SF3-V2	X	-.000983	-.000983	0	%100
37	SF4-V1	X	-.000983	-.000983	0	%100
38	SF4-V2	X	-.000983	-.000983	0	%100
39	SF3-CPB	X	-.002	-.002	0	%100
40	SF3-CPT	X	-.002	-.002	0	%100
41	SF4-CPB	X	-.002	-.002	0	%100
42	SF4-CPT	X	-.002	-.002	0	%100
43	FFBH-4	X	-.000877	-.000877	0	%100
44	FFBH-5	X	-.000877	-.000877	0	%100
45	FFBH-6	X	-.000877	-.000877	0	%100
46	FFTH-4	X	-.000877	-.000877	0	%100
47	FFTH-5	X	-.000877	-.000877	0	%100
48	FFTH-6	X	-.000877	-.000877	0	%100
49	SA-3	X	-.001	-.001	0	%100
50	SF3-BH	X	-.000306	-.000306	0	%100
51	SF3-TH	X	-.000306	-.000306	0	%100
52	SF4-BH	X	-.001	-.001	0	%100
53	SF4-TH	X	-.001	-.001	0	%100
54	MP-5	X	-.002	-.002	0	%100
55	MP-6	X	-.002	-.002	0	%100
56	MP-7	X	-.002	-.002	0	%100
57	MP-8	X	-.002	-.002	0	%100
58	RRU-3	X	-.002	-.002	0	%100
59	RRU-4	X	-.002	-.002	0	%100
60	SA-4	X	-.001	-.001	0	%100
61	SF5-D1	X	-.001	-.001	0	%100
62	SF5-D1-X	X	-.001	-.001	0	%100
63	SF6-D1	X	-.001	-.001	0	%100
64	SF6-D1-X	X	-.001	-.001	0	%100

RISA A NELETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
65	SF5-V1	X	-.000983	-.000983	0	%100
66	SF5-V2	X	-.000983	-.000983	0	%100
67	SF6-V1	X	-.000983	-.000983	0	%100
68	SF6-V2	X	-.000983	-.000983	0	%100
69	SF5-CPB	X	-.000256	-.000256	0	%100
70	SF5-CPT	X	-.000256	-.000256	0	%100
71	SF6-CPB	X	-.000256	-.000256	0	%100
72	SF6-CPT	X	-.000256	-.000256	0	%100
73	FFBH-7	X	-.002	-.002	0	%100
74	FFBH-8	X	-.002	-.002	0	%100
75	FFBH-9	X	-.002	-.002	0	%100
76	FFTH-7	X	-.002	-.002	0	%100
77	FFTH-8	X	-.002	-.002	0	%100
78	FFTH-9	X	-.002	-.002	0	%100
79	SA-5	X	-9.9e-5	-9.9e-5	0	%100
80	SF5-BH	X	-.000937	-.000937	0	%100
81	SF5-TH	X	-.000937	-.000937	0	%100
82	SF6-BH	X	-.001	-.001	0	%100
83	SF6-TH	X	-.001	-.001	0	%100
84	MP-9	X	-.002	-.002	0	%100
85	MP-10	X	-.002	-.002	0	%100
86	MP-11	X	-.002	-.002	0	%100
87	MP-12	X	-.002	-.002	0	%100
88	RRU-5	X	-.002	-.002	0	%100
89	RRU-6	X	-.002	-.002	0	%100
90	SA-6	X	-9.9e-5	-9.9e-5	0	%100
91	PM-1	X	-.002	-.002	0	%100
92	MM-1	X	-.003	-.003	0	%100
93	MM-2	X	-.003	-.003	0	%100
94	PM-2	X	-.002	-.002	0	%100
95	MM-3	X	-.003	-.003	0	%100
96	MM-4	X	-.003	-.003	0	%100
97	PM-3	X	-.002	-.002	0	%100
98	MM-5	X	0	0	0	%100
99	MM-6	X	0	0	0	%100
100	SF1-D1	Z	-.002	-.002	0	%100
101	SF1-D1-X	Z	-.002	-.002	0	%100
102	SF2-D1	Z	-.002	-.002	0	%100
103	SF2-D1-X	Z	-.002	-.002	0	%100
104	SF1-V1	Z	-.002	-.002	0	%100
105	SF1-V2	Z	-.002	-.002	0	%100
106	SF2-V1	Z	-.002	-.002	0	%100
107	SF2-V2	Z	-.002	-.002	0	%100
108	SF1-CPB	Z	-.004	-.004	0	%100
109	SF1-CPT	Z	-.004	-.004	0	%100
110	SF2-CPB	Z	-.003	-.003	0	%100
111	SF2-CPT	Z	-.003	-.003	0	%100
112	FFBH-1	Z	-.001	-.001	0	%100
113	FFBH-2	Z	-.002	-.002	0	%100
114	FFBH-3	Z	-.001	-.001	0	%100
115	FFTH-1	Z	-.001	-.001	0	%100
116	FFTH-2	Z	-.002	-.002	0	%100
117	FFTH-3	Z	-.001	-.001	0	%100
118	SA-1	Z	-.002	-.002	0	%100
119	SF1-BH	Z	-.002	-.002	0	%100
120	SF1-TH	Z	-.002	-.002	0	%100
121	SF2-BH	Z	-.000507	-.000507	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,%]
96	MM-4	X	-.004	-.004	0	%100
97	PM-3	X	-.002	-.002	0	%100
98	MM-5	X	-.001	-.001	0	%100
99	MM-6	X	-.001	-.001	0	%100
100	SF1-D1	Z	-.002	-.002	0	%100
101	SF1-D1-X	Z	-.002	-.002	0	%100
102	SF2-D1	Z	-.002	-.002	0	%100
103	SF2-D1-X	Z	-.002	-.002	0	%100
104	SF1-V1	Z	-.002	-.002	0	%100
105	SF1-V2	Z	-.002	-.002	0	%100
106	SF2-V1	Z	-.002	-.002	0	%100
107	SF2-V2	Z	-.002	-.002	0	%100
108	SF1-CPB	Z	-.003	-.003	0	%100
109	SF1-CPT	Z	-.003	-.003	0	%100
110	SF2-CPB	Z	-.002	-.002	0	%100
111	SF2-CPT	Z	-.002	-.002	0	%100
112	FFBH-1	Z	-.001	-.001	0	%100
113	FFBH-2	Z	-.002	-.002	0	%100
114	FFBH-3	Z	-.001	-.001	0	%100
115	FFTH-1	Z	-.001	-.001	0	%100
116	FFTH-2	Z	-.002	-.002	0	%100
117	FFTH-3	Z	-.001	-.001	0	%100
118	SA-1	Z	-.002	-.002	0	%100
119	SF1-BH	Z	-.002	-.002	0	%100
120	SF1-TH	Z	-.002	-.002	0	%100
121	SF2-BH	Z	-7.9e-5	-7.9e-5	0	%100
122	SF2-TH	Z	-7.9e-5	-7.9e-5	0	%100
123	MP-1	Z	-.003	-.003	0	%100
124	MP-2	Z	-.003	-.003	0	%100
125	MP-3	Z	-.003	-.003	0	%100
126	MP-4	Z	-.003	-.003	0	%100
127	RRU-1	Z	-.003	-.003	0	%100
128	RRU-2	Z	-.003	-.003	0	%100
129	SA-2	Z	-.002	-.002	0	%100
130	SF3-D1	Z	-.002	-.002	0	%100
131	SF3-D1-X	Z	-.002	-.002	0	%100
132	SF4-D1	Z	-.002	-.002	0	%100
133	SF4-D1-X	Z	-.002	-.002	0	%100
134	SF3-V1	Z	-.002	-.002	0	%100
135	SF3-V2	Z	-.002	-.002	0	%100
136	SF4-V1	Z	-.002	-.002	0	%100
137	SF4-V2	Z	-.002	-.002	0	%100
138	SF3-CPB	Z	-.003	-.003	0	%100
139	SF3-CPT	Z	-.003	-.003	0	%100
140	SF4-CPB	Z	-.003	-.003	0	%100
141	SF4-CPT	Z	-.003	-.003	0	%100
142	FFBH-4	Z	-.000793	-.000793	0	%100
143	FFBH-5	Z	-.000793	-.000793	0	%100
144	FFBH-6	Z	-.000793	-.000793	0	%100
145	FFTH-4	Z	-.000793	-.000793	0	%100
146	FFTH-5	Z	-.000793	-.000793	0	%100
147	FFTH-6	Z	-.000793	-.000793	0	%100
148	SA-3	Z	-.002	-.002	0	%100
149	SF3-BH	Z	-.000835	-.000835	0	%100
150	SF3-TH	Z	-.000835	-.000835	0	%100
151	SF4-BH	Z	-.002	-.002	0	%100
152	SF4-TH	Z	-.002	-.002	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
153	MP-5	Z	-.003	-.003	0	%100
154	MP-6	Z	-.003	-.003	0	%100
155	MP-7	Z	-.003	-.003	0	%100
156	MP-8	Z	-.003	-.003	0	%100
157	RRU-3	Z	-.003	-.003	0	%100
158	RRU-4	Z	-.003	-.003	0	%100
159	SA-4	Z	-.002	-.002	0	%100
160	SF5-D1	Z	-.002	-.002	0	%100
161	SF5-D1-X	Z	-.002	-.002	0	%100
162	SF6-D1	Z	-.002	-.002	0	%100
163	SF6-D1-X	Z	-.002	-.002	0	%100
164	SF5-V1	Z	-.002	-.002	0	%100
165	SF5-V2	Z	-.002	-.002	0	%100
166	SF6-V1	Z	-.002	-.002	0	%100
167	SF6-V2	Z	-.002	-.002	0	%100
168	SF5-CPB	Z	-.000509	-.000509	0	%100
169	SF5-CPT	Z	-.000509	-.000509	0	%100
170	SF6-CPB	Z	-.001	-.001	0	%100
171	SF6-CPT	Z	-.001	-.001	0	%100
172	FFBH-7	Z	-.003	-.003	0	%100
173	FFBH-8	Z	-.003	-.003	0	%100
174	FFBH-9	Z	-.003	-.003	0	%100
175	FFTH-7	Z	-.003	-.003	0	%100
176	FFTH-8	Z	-.003	-.003	0	%100
177	FFTH-9	Z	-.003	-.003	0	%100
178	SA-5	Z	-.000617	-.000617	0	%100
179	SF5-BH	Z	-.001	-.001	0	%100
180	SF5-TH	Z	-.001	-.001	0	%100
181	SF6-BH	Z	-.002	-.002	0	%100
182	SF6-TH	Z	-.002	-.002	0	%100
183	MP-9	Z	-.003	-.003	0	%100
184	MP-10	Z	-.003	-.003	0	%100
185	MP-11	Z	-.003	-.003	0	%100
186	MP-12	Z	-.003	-.003	0	%100
187	RRU-5	Z	-.003	-.003	0	%100
188	RRU-6	Z	-.003	-.003	0	%100
189	SA-6	Z	-.000617	-.000617	0	%100
190	PM-1	Z	-.003	-.003	0	%100
191	MM-1	Z	-.003	-.003	0	%100
192	MM-2	Z	-.003	-.003	0	%100
193	PM-2	Z	-.003	-.003	0	%100
194	MM-3	Z	-.004	-.004	0	%100
195	MM-4	Z	-.004	-.004	0	%100
196	PM-3	Z	-.003	-.003	0	%100
197	MM-5	Z	-.001	-.001	0	%100
198	MM-6	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	SF1-D1	X	-.001	-.001	0	%100
2	SF1-D1-X	X	-.001	-.001	0	%100
3	SF2-D1	X	-.001	-.001	0	%100
4	SF2-D1-X	X	-.001	-.001	0	%100
5	SF1-V1	X	-.000983	-.000983	0	%100
6	SF1-V2	X	-.000983	-.000983	0	%100
7	SF2-V1	X	-.000983	-.000983	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
184	MP-10	Z	-.002	-.002	0	%100
185	MP-11	Z	-.002	-.002	0	%100
186	MP-12	Z	-.002	-.002	0	%100
187	RRU-5	Z	-.002	-.002	0	%100
188	RRU-6	Z	-.002	-.002	0	%100
189	SA-6	Z	-.00076	-.00076	0	%100
190	PM-1	Z	-.002	-.002	0	%100
191	MM-1	Z	-.002	-.002	0	%100
192	MM-2	Z	-.002	-.002	0	%100
193	PM-2	Z	-.002	-.002	0	%100
194	MM-3	Z	-.003	-.003	0	%100
195	MM-4	Z	-.003	-.003	0	%100
196	PM-3	Z	-.002	-.002	0	%100
197	MM-5	Z	-.002	-.002	0	%100
198	MM-6	Z	-.002	-.002	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	SF1-D1	X	-.002	-.002	0	%100
2	SF1-D1-X	X	-.002	-.002	0	%100
3	SF2-D1	X	-.002	-.002	0	%100
4	SF2-D1-X	X	-.002	-.002	0	%100
5	SF1-V1	X	-.001	-.001	0	%100
6	SF1-V2	X	-.001	-.001	0	%100
7	SF2-V1	X	-.001	-.001	0	%100
8	SF2-V2	X	-.001	-.001	0	%100
9	SF1-CPB	X	-.003	-.003	0	%100
10	SF1-CPT	X	-.003	-.003	0	%100
11	SF2-CPB	X	-.002	-.002	0	%100
12	SF2-CPT	X	-.002	-.002	0	%100
13	FFBH-1	X	-.002	-.002	0	%100
14	FFBH-2	X	-.002	-.002	0	%100
15	FFBH-3	X	-.002	-.002	0	%100
16	FFTH-1	X	-.002	-.002	0	%100
17	FFTH-2	X	-.002	-.002	0	%100
18	FFTH-3	X	-.002	-.002	0	%100
19	SA-1	X	-.001	-.001	0	%100
20	SF1-BH	X	-.002	-.002	0	%100
21	SF1-TH	X	-.002	-.002	0	%100
22	SF2-BH	X	-7.9e-5	-7.9e-5	0	%100
23	SF2-TH	X	-7.9e-5	-7.9e-5	0	%100
24	MP-1	X	-.002	-.002	0	%100
25	MP-2	X	-.002	-.002	0	%100
26	MP-3	X	-.002	-.002	0	%100
27	MP-4	X	-.002	-.002	0	%100
28	RRU-1	X	-.002	-.002	0	%100
29	RRU-2	X	-.002	-.002	0	%100
30	SA-2	X	-.001	-.001	0	%100
31	SF3-D1	X	-.002	-.002	0	%100
32	SF3-D1-X	X	-.002	-.002	0	%100
33	SF4-D1	X	-.002	-.002	0	%100
34	SF4-D1-X	X	-.002	-.002	0	%100
35	SF3-V1	X	-.001	-.001	0	%100
36	SF3-V2	X	-.001	-.001	0	%100
37	SF4-V1	X	-.001	-.001	0	%100
38	SF4-V2	X	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
39	SF3-CPB	X	-.003	-.003	0	%100
40	SF3-CPT	X	-.003	-.003	0	%100
41	SF4-CPB	X	-.003	-.003	0	%100
42	SF4-CPT	X	-.003	-.003	0	%100
43	FFBH-4	X	-.000642	-.000642	0	%100
44	FFBH-5	X	-.000642	-.000642	0	%100
45	FFBH-6	X	-.000642	-.000642	0	%100
46	FFTH-4	X	-.000642	-.000642	0	%100
47	FFTH-5	X	-.000642	-.000642	0	%100
48	FFTH-6	X	-.000642	-.000642	0	%100
49	SA-3	X	-.002	-.002	0	%100
50	SF3-BH	X	-.000917	-.000917	0	%100
51	SF3-TH	X	-.000917	-.000917	0	%100
52	SF4-BH	X	-.002	-.002	0	%100
53	SF4-TH	X	-.002	-.002	0	%100
54	MP-5	X	-.002	-.002	0	%100
55	MP-6	X	-.002	-.002	0	%100
56	MP-7	X	-.002	-.002	0	%100
57	MP-8	X	-.002	-.002	0	%100
58	RRU-3	X	-.002	-.002	0	%100
59	RRU-4	X	-.002	-.002	0	%100
60	SA-4	X	-.002	-.002	0	%100
61	SF5-D1	X	-.002	-.002	0	%100
62	SF5-D1-X	X	-.002	-.002	0	%100
63	SF6-D1	X	-.002	-.002	0	%100
64	SF6-D1-X	X	-.002	-.002	0	%100
65	SF5-V1	X	-.001	-.001	0	%100
66	SF5-V2	X	-.001	-.001	0	%100
67	SF6-V1	X	-.001	-.001	0	%100
68	SF6-V2	X	-.001	-.001	0	%100
69	SF5-CPB	X	-.000509	-.000509	0	%100
70	SF5-CPT	X	-.000509	-.000509	0	%100
71	SF6-CPB	X	-.001	-.001	0	%100
72	SF6-CPT	X	-.001	-.001	0	%100
73	FFBH-7	X	-.002	-.002	0	%100
74	FFBH-8	X	-.002	-.002	0	%100
75	FFBH-9	X	-.002	-.002	0	%100
76	FFTH-7	X	-.002	-.002	0	%100
77	FFTH-8	X	-.002	-.002	0	%100
78	FFTH-9	X	-.002	-.002	0	%100
79	SA-5	X	-.000735	-.000735	0	%100
80	SF5-BH	X	-.000965	-.000965	0	%100
81	SF5-TH	X	-.000965	-.000965	0	%100
82	SF6-BH	X	-.002	-.002	0	%100
83	SF6-TH	X	-.002	-.002	0	%100
84	MP-9	X	-.002	-.002	0	%100
85	MP-10	X	-.002	-.002	0	%100
86	MP-11	X	-.002	-.002	0	%100
87	MP-12	X	-.002	-.002	0	%100
88	RRU-5	X	-.002	-.002	0	%100
89	RRU-6	X	-.002	-.002	0	%100
90	SA-6	X	-.000735	-.000735	0	%100
91	PM-1	X	-.002	-.002	0	%100
92	MM-1	X	-.003	-.003	0	%100
93	MM-2	X	-.003	-.003	0	%100
94	PM-2	X	-.002	-.002	0	%100
95	MM-3	X	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
70	SF5-CPT	X	-.002	-.002	0	%100
71	SF6-CPB	X	-.002	-.002	0	%100
72	SF6-CPT	X	-.002	-.002	0	%100
73	FFBH-7	X	-.003	-.003	0	%100
74	FFBH-8	X	-.003	-.003	0	%100
75	FFBH-9	X	-.003	-.003	0	%100
76	FFTH-7	X	-.003	-.003	0	%100
77	FFTH-8	X	-.003	-.003	0	%100
78	FFTH-9	X	-.003	-.003	0	%100
79	SA-5	X	-.002	-.002	0	%100
80	SF5-BH	X	-.000659	-.000659	0	%100
81	SF5-TH	X	-.000659	-.000659	0	%100
82	SF6-BH	X	-.002	-.002	0	%100
83	SF6-TH	X	-.002	-.002	0	%100
84	MP-9	X	-.003	-.003	0	%100
85	MP-10	X	-.003	-.003	0	%100
86	MP-11	X	-.003	-.003	0	%100
87	MP-12	X	-.003	-.003	0	%100
88	RRU-5	X	-.003	-.003	0	%100
89	RRU-6	X	-.003	-.003	0	%100
90	SA-6	X	-.002	-.002	0	%100
91	PM-1	X	-.003	-.003	0	%100
92	MM-1	X	-.003	-.003	0	%100
93	MM-2	X	-.003	-.003	0	%100
94	PM-2	X	-.003	-.003	0	%100
95	MM-3	X	-.005	-.005	0	%100
96	MM-4	X	-.005	-.005	0	%100
97	PM-3	X	-.003	-.003	0	%100
98	MM-5	X	-.003	-.003	0	%100
99	MM-6	X	-.003	-.003	0	%100
100	SF1-D1	Z	-.001	-.001	0	%100
101	SF1-D1-X	Z	-.001	-.001	0	%100
102	SF2-D1	Z	-.001	-.001	0	%100
103	SF2-D1-X	Z	-.001	-.001	0	%100
104	SF1-V1	Z	-.001	-.001	0	%100
105	SF1-V2	Z	-.001	-.001	0	%100
106	SF2-V1	Z	-.001	-.001	0	%100
107	SF2-V2	Z	-.001	-.001	0	%100
108	SF1-CPB	Z	-.001	-.001	0	%100
109	SF1-CPT	Z	-.001	-.001	0	%100
110	SF2-CPB	Z	-.000951	-.000951	0	%100
111	SF2-CPT	Z	-.000951	-.000951	0	%100
112	FFBH-1	Z	-.001	-.001	0	%100
113	FFBH-2	Z	-.002	-.002	0	%100
114	FFBH-3	Z	-.001	-.001	0	%100
115	FFTH-1	Z	-.001	-.001	0	%100
116	FFTH-2	Z	-.002	-.002	0	%100
117	FFTH-3	Z	-.001	-.001	0	%100
118	SA-1	Z	-.000761	-.000761	0	%100
119	SF1-BH	Z	-.001	-.001	0	%100
120	SF1-TH	Z	-.001	-.001	0	%100
121	SF2-BH	Z	-.0004	-.0004	0	%100
122	SF2-TH	Z	-.0004	-.0004	0	%100
123	MP-1	Z	-.002	-.002	0	%100
124	MP-2	Z	-.002	-.002	0	%100
125	MP-3	Z	-.002	-.002	0	%100
126	MP-4	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
127	RRU-1	Z	-.002	-.002	0	%100
128	RRU-2	Z	-.002	-.002	0	%100
129	SA-2	Z	-.000761	-.000761	0	%100
130	SF3-D1	Z	-.001	-.001	0	%100
131	SF3-D1-X	Z	-.001	-.001	0	%100
132	SF4-D1	Z	-.001	-.001	0	%100
133	SF4-D1-X	Z	-.001	-.001	0	%100
134	SF3-V1	Z	-.001	-.001	0	%100
135	SF3-V2	Z	-.001	-.001	0	%100
136	SF4-V1	Z	-.001	-.001	0	%100
137	SF4-V2	Z	-.001	-.001	0	%100
138	SF3-CPB	Z	-.002	-.002	0	%100
139	SF3-CPT	Z	-.002	-.002	0	%100
140	SF4-CPB	Z	-.002	-.002	0	%100
141	SF4-CPT	Z	-.002	-.002	0	%100
142	FFBH-4	Z	0	0	0	%100
143	FFBH-5	Z	0	0	0	%100
144	FFBH-6	Z	0	0	0	%100
145	FFTH-4	Z	0	0	0	%100
146	FFTH-5	Z	0	0	0	%100
147	FFTH-6	Z	0	0	0	%100
148	SA-3	Z	-.001	-.001	0	%100
149	SF3-BH	Z	-.000863	-.000863	0	%100
150	SF3-TH	Z	-.000863	-.000863	0	%100
151	SF4-BH	Z	-.00095	-.00095	0	%100
152	SF4-TH	Z	-.00095	-.00095	0	%100
153	MP-5	Z	-.002	-.002	0	%100
154	MP-6	Z	-.002	-.002	0	%100
155	MP-7	Z	-.002	-.002	0	%100
156	MP-8	Z	-.002	-.002	0	%100
157	RRU-3	Z	-.002	-.002	0	%100
158	RRU-4	Z	-.002	-.002	0	%100
159	SA-4	Z	-.001	-.001	0	%100
160	SF5-D1	Z	-.001	-.001	0	%100
161	SF5-D1-X	Z	-.001	-.001	0	%100
162	SF6-D1	Z	-.001	-.001	0	%100
163	SF6-D1-X	Z	-.001	-.001	0	%100
164	SF5-V1	Z	-.001	-.001	0	%100
165	SF5-V2	Z	-.001	-.001	0	%100
166	SF6-V1	Z	-.001	-.001	0	%100
167	SF6-V2	Z	-.001	-.001	0	%100
168	SF5-CPB	Z	-.000951	-.000951	0	%100
169	SF5-CPT	Z	-.000951	-.000951	0	%100
170	SF6-CPB	Z	-.001	-.001	0	%100
171	SF6-CPT	Z	-.001	-.001	0	%100
172	FFBH-7	Z	-.002	-.002	0	%100
173	FFBH-8	Z	-.002	-.002	0	%100
174	FFBH-9	Z	-.002	-.002	0	%100
175	FFTH-7	Z	-.002	-.002	0	%100
176	FFTH-8	Z	-.002	-.002	0	%100
177	FFTH-9	Z	-.002	-.002	0	%100
178	SA-5	Z	-.00076	-.00076	0	%100
179	SF5-BH	Z	-.000419	-.000419	0	%100
180	SF5-TH	Z	-.000419	-.000419	0	%100
181	SF6-BH	Z	-.001	-.001	0	%100
182	SF6-TH	Z	-.001	-.001	0	%100
183	MP-9	Z	-.002	-.002	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,%]
59	RRU-4	X	-.003	-.003	0	%100
60	SA-4	X	-.003	-.003	0	%100
61	SF5-D1	X	-.002	-.002	0	%100
62	SF5-D1-X	X	-.002	-.002	0	%100
63	SF6-D1	X	-.002	-.002	0	%100
64	SF6-D1-X	X	-.002	-.002	0	%100
65	SF5-V1	X	-.002	-.002	0	%100
66	SF5-V2	X	-.002	-.002	0	%100
67	SF6-V1	X	-.002	-.002	0	%100
68	SF6-V2	X	-.002	-.002	0	%100
69	SF5-CPB	X	-.005	-.005	0	%100
70	SF5-CPT	X	-.005	-.005	0	%100
71	SF6-CPB	X	-.005	-.005	0	%100
72	SF6-CPT	X	-.005	-.005	0	%100
73	FFBH-7	X	-.004	-.004	0	%100
74	FFBH-8	X	-.004	-.004	0	%100
75	FFBH-9	X	-.004	-.004	0	%100
76	FFTH-7	X	-.004	-.004	0	%100
77	FFTH-8	X	-.004	-.004	0	%100
78	FFTH-9	X	-.004	-.004	0	%100
79	SA-5	X	-.003	-.003	0	%100
80	SF5-BH	X	-.003	-.003	0	%100
81	SF5-TH	X	-.003	-.003	0	%100
82	SF6-BH	X	-.003	-.003	0	%100
83	SF6-TH	X	-.003	-.003	0	%100
84	MP-9	X	-.003	-.003	0	%100
85	MP-10	X	-.003	-.003	0	%100
86	MP-11	X	-.003	-.003	0	%100
87	MP-12	X	-.003	-.003	0	%100
88	RRU-5	X	-.003	-.003	0	%100
89	RRU-6	X	-.003	-.003	0	%100
90	SA-6	X	-.003	-.003	0	%100
91	PM-1	X	-.003	-.003	0	%100
92	MM-1	X	-.006	-.006	0	%100
93	MM-2	X	-.006	-.006	0	%100
94	PM-2	X	-.003	-.003	0	%100
95	MM-3	X	-.006	-.006	0	%100
96	MM-4	X	-.006	-.006	0	%100
97	PM-3	X	-.003	-.003	0	%100
98	MM-5	X	-.006	-.006	0	%100
99	MM-6	X	-.006	-.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	-.002	-.002	0	%100
2	SF1-D1-X	X	-.002	-.002	0	%100
3	SF2-D1	X	-.002	-.002	0	%100
4	SF2-D1-X	X	-.002	-.002	0	%100
5	SF1-V1	X	-.002	-.002	0	%100
6	SF1-V2	X	-.002	-.002	0	%100
7	SF2-V1	X	-.002	-.002	0	%100
8	SF2-V2	X	-.002	-.002	0	%100
9	SF1-CPB	X	-.002	-.002	0	%100
10	SF1-CPT	X	-.002	-.002	0	%100
11	SF2-CPB	X	-.002	-.002	0	%100
12	SF2-CPT	X	-.002	-.002	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
13	FFBH-1	X	-.003	-.003	0	%100
14	FFBH-2	X	-.003	-.003	0	%100
15	FFBH-3	X	-.003	-.003	0	%100
16	FFTH-1	X	-.003	-.003	0	%100
17	FFTH-2	X	-.003	-.003	0	%100
18	FFTH-3	X	-.003	-.003	0	%100
19	SA-1	X	-.000921	-.000921	0	%100
20	SF1-BH	X	-.002	-.002	0	%100
21	SF1-TH	X	-.002	-.002	0	%100
22	SF2-BH	X	-.0007	-.0007	0	%100
23	SF2-TH	X	-.0007	-.0007	0	%100
24	MP-1	X	-.003	-.003	0	%100
25	MP-2	X	-.003	-.003	0	%100
26	MP-3	X	-.003	-.003	0	%100
27	MP-4	X	-.003	-.003	0	%100
28	RRU-1	X	-.003	-.003	0	%100
29	RRU-2	X	-.003	-.003	0	%100
30	SA-2	X	-.000921	-.000921	0	%100
31	SF3-D1	X	-.002	-.002	0	%100
32	SF3-D1-X	X	-.002	-.002	0	%100
33	SF4-D1	X	-.002	-.002	0	%100
34	SF4-D1-X	X	-.002	-.002	0	%100
35	SF3-V1	X	-.002	-.002	0	%100
36	SF3-V2	X	-.002	-.002	0	%100
37	SF4-V1	X	-.002	-.002	0	%100
38	SF4-V2	X	-.002	-.002	0	%100
39	SF3-CPB	X	-.004	-.004	0	%100
40	SF3-CPT	X	-.004	-.004	0	%100
41	SF4-CPB	X	-.004	-.004	0	%100
42	SF4-CPT	X	-.004	-.004	0	%100
43	FFBH-4	X	0	0	0	%100
44	FFBH-5	X	0	0	0	%100
45	FFBH-6	X	0	0	0	%100
46	FFTH-4	X	0	0	0	%100
47	FFTH-5	X	0	0	0	%100
48	FFTH-6	X	0	0	0	%100
49	SA-3	X	-.003	-.003	0	%100
50	SF3-BH	X	-.002	-.002	0	%100
51	SF3-TH	X	-.002	-.002	0	%100
52	SF4-BH	X	-.001	-.001	0	%100
53	SF4-TH	X	-.001	-.001	0	%100
54	MP-5	X	-.003	-.003	0	%100
55	MP-6	X	-.003	-.003	0	%100
56	MP-7	X	-.003	-.003	0	%100
57	MP-8	X	-.003	-.003	0	%100
58	RRU-3	X	-.003	-.003	0	%100
59	RRU-4	X	-.003	-.003	0	%100
60	SA-4	X	-.003	-.003	0	%100
61	SF5-D1	X	-.002	-.002	0	%100
62	SF5-D1-X	X	-.002	-.002	0	%100
63	SF6-D1	X	-.002	-.002	0	%100
64	SF6-D1-X	X	-.002	-.002	0	%100
65	SF5-V1	X	-.002	-.002	0	%100
66	SF5-V2	X	-.002	-.002	0	%100
67	SF6-V1	X	-.002	-.002	0	%100
68	SF6-V2	X	-.002	-.002	0	%100
69	SF5-CPB	X	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
48	FFTH-6	Y	-.009	-.009	0	%100
49	SA-3	Y	-.009	-.009	0	%100
50	SF3-BH	Y	-.009	-.009	0	%100
51	SF3-TH	Y	-.009	-.009	0	%100
52	SF4-BH	Y	-.009	-.009	0	%100
53	SF4-TH	Y	-.009	-.009	0	%100
54	MP-5	Y	-.009	-.009	0	%100
55	MP-6	Y	-.009	-.009	0	%100
56	MP-7	Y	-.009	-.009	0	%100
57	MP-8	Y	-.009	-.009	0	%100
58	RRU-3	Y	-.009	-.009	0	%100
59	RRU-4	Y	-.009	-.009	0	%100
60	SA-4	Y	-.009	-.009	0	%100
61	SF5-D1	Y	-.006	-.006	0	%100
62	SF5-D1-X	Y	-.006	-.006	0	%100
63	SF6-D1	Y	-.006	-.006	0	%100
64	SF6-D1-X	Y	-.006	-.006	0	%100
65	SF5-V1	Y	-.005	-.005	0	%100
66	SF5-V2	Y	-.005	-.005	0	%100
67	SF6-V1	Y	-.005	-.005	0	%100
68	SF6-V2	Y	-.005	-.005	0	%100
69	SF5-CPB	Y	-.009	-.009	0	%100
70	SF5-CPT	Y	-.009	-.009	0	%100
71	SF6-CPB	Y	-.009	-.009	0	%100
72	SF6-CPT	Y	-.009	-.009	0	%100
73	FFBH-7	Y	-.009	-.009	0	%100
74	FFBH-8	Y	-.009	-.009	0	%100
75	FFBH-9	Y	-.009	-.009	0	%100
76	FFTH-7	Y	-.009	-.009	0	%100
77	FFTH-8	Y	-.009	-.009	0	%100
78	FFTH-9	Y	-.009	-.009	0	%100
79	SA-5	Y	-.009	-.009	0	%100
80	SF5-BH	Y	-.009	-.009	0	%100
81	SF5-TH	Y	-.009	-.009	0	%100
82	SF6-BH	Y	-.009	-.009	0	%100
83	SF6-TH	Y	-.009	-.009	0	%100
84	MP-9	Y	-.009	-.009	0	%100
85	MP-10	Y	-.009	-.009	0	%100
86	MP-11	Y	-.009	-.009	0	%100
87	MP-12	Y	-.009	-.009	0	%100
88	RRU-5	Y	-.009	-.009	0	%100
89	RRU-6	Y	-.009	-.009	0	%100
90	SA-6	Y	-.009	-.009	0	%100
91	PM-1	Y	-.011	-.011	0	%100
92	MM-1	Y	-.011	-.011	0	%100
93	MM-2	Y	-.011	-.011	0	%100
94	PM-2	Y	-.011	-.011	0	%100
95	MM-3	Y	-.011	-.011	0	%100
96	MM-4	Y	-.011	-.011	0	%100
97	PM-3	Y	-.011	-.011	0	%100
98	MM-5	Y	-.011	-.011	0	%100
99	MM-6	Y	-.011	-.011	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	SF1-D1	X	-.002	-.002	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,%]
2	SF1-D1-X	X	-.002	-.002	0	%100
3	SF2-D1	X	-.002	-.002	0	%100
4	SF2-D1-X	X	-.002	-.002	0	%100
5	SF1-V1	X	-.002	-.002	0	%100
6	SF1-V2	X	-.002	-.002	0	%100
7	SF2-V1	X	-.002	-.002	0	%100
8	SF2-V2	X	-.002	-.002	0	%100
9	SF1-CPB	X	-.005	-.005	0	%100
10	SF1-CPT	X	-.005	-.005	0	%100
11	SF2-CPB	X	-.005	-.005	0	%100
12	SF2-CPT	X	-.005	-.005	0	%100
13	FFBH-1	X	-.004	-.004	0	%100
14	FFBH-2	X	-.004	-.004	0	%100
15	FFBH-3	X	-.004	-.004	0	%100
16	FFTH-1	X	-.004	-.004	0	%100
17	FFTH-2	X	-.004	-.004	0	%100
18	FFTH-3	X	-.004	-.004	0	%100
19	SA-1	X	-.002	-.002	0	%100
20	SF1-BH	X	-.003	-.003	0	%100
21	SF1-TH	X	-.003	-.003	0	%100
22	SF2-BH	X	-.003	-.003	0	%100
23	SF2-TH	X	-.003	-.003	0	%100
24	MP-1	X	-.003	-.003	0	%100
25	MP-2	X	-.003	-.003	0	%100
26	MP-3	X	-.003	-.003	0	%100
27	MP-4	X	-.003	-.003	0	%100
28	RRU-1	X	-.003	-.003	0	%100
29	RRU-2	X	-.003	-.003	0	%100
30	SA-2	X	-.002	-.002	0	%100
31	SF3-D1	X	-.002	-.002	0	%100
32	SF3-D1-X	X	-.002	-.002	0	%100
33	SF4-D1	X	-.002	-.002	0	%100
34	SF4-D1-X	X	-.002	-.002	0	%100
35	SF3-V1	X	-.002	-.002	0	%100
36	SF3-V2	X	-.002	-.002	0	%100
37	SF4-V1	X	-.002	-.002	0	%100
38	SF4-V2	X	-.002	-.002	0	%100
39	SF3-CPB	X	-.005	-.005	0	%100
40	SF3-CPT	X	-.005	-.005	0	%100
41	SF4-CPB	X	-.005	-.005	0	%100
42	SF4-CPT	X	-.005	-.005	0	%100
43	FFBH-4	X	-.004	-.004	0	%100
44	FFBH-5	X	-.004	-.004	0	%100
45	FFBH-6	X	-.004	-.004	0	%100
46	FFTH-4	X	-.004	-.004	0	%100
47	FFTH-5	X	-.004	-.004	0	%100
48	FFTH-6	X	-.004	-.004	0	%100
49	SA-3	X	-.003	-.003	0	%100
50	SF3-BH	X	-.003	-.003	0	%100
51	SF3-TH	X	-.003	-.003	0	%100
52	SF4-BH	X	-.003	-.003	0	%100
53	SF4-TH	X	-.003	-.003	0	%100
54	MP-5	X	-.003	-.003	0	%100
55	MP-6	X	-.003	-.003	0	%100
56	MP-7	X	-.003	-.003	0	%100
57	MP-8	X	-.003	-.003	0	%100
58	RRU-3	X	-.003	-.003	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,%]
136	SF4-V1	Z	.001	.001	0	%100
137	SF4-V2	Z	.001	.001	0	%100
138	SF3-CPB	Z	.00073	.00073	0	%100
139	SF3-CPT	Z	.00073	.00073	0	%100
140	SF4-CPB	Z	.000523	.000523	0	%100
141	SF4-CPT	Z	.000523	.000523	0	%100
142	FFBH-4	Z	.005	.005	0	%100
143	FFBH-5	Z	.005	.005	0	%100
144	FFBH-6	Z	.005	.005	0	%100
145	FFTH-4	Z	.005	.005	0	%100
146	FFTH-5	Z	.005	.005	0	%100
147	FFTH-6	Z	.005	.005	0	%100
148	SA-3	Z	.002	.002	0	%100
149	SF3-BH	Z	.003	.003	0	%100
150	SF3-TH	Z	.003	.003	0	%100
151	SF4-BH	Z	.001	.001	0	%100
152	SF4-TH	Z	.001	.001	0	%100
153	MP-5	Z	.005	.005	0	%100
154	MP-6	Z	.005	.005	0	%100
155	MP-7	Z	.005	.005	0	%100
156	MP-8	Z	.005	.005	0	%100
157	RRU-3	Z	.005	.005	0	%100
158	RRU-4	Z	.005	.005	0	%100
159	SA-4	Z	.002	.002	0	%100
160	SF5-D1	Z	.002	.002	0	%100
161	SF5-D1-X	Z	.002	.002	0	%100
162	SF6-D1	Z	.002	.002	0	%100
163	SF6-D1-X	Z	.002	.002	0	%100
164	SF5-V1	Z	.001	.001	0	%100
165	SF5-V2	Z	.001	.001	0	%100
166	SF6-V1	Z	.001	.001	0	%100
167	SF6-V2	Z	.001	.001	0	%100
168	SF5-CPB	Z	.001	.001	0	%100
169	SF5-CPT	Z	.001	.001	0	%100
170	SF6-CPB	Z	.001	.001	0	%100
171	SF6-CPT	Z	.001	.001	0	%100
172	FFBH-7	Z	0	0	0	%100
173	FFBH-8	Z	0	0	0	%100
174	FFBH-9	Z	0	0	0	%100
175	FFTH-7	Z	0	0	0	%100
176	FFTH-8	Z	0	0	0	%100
177	FFTH-9	Z	0	0	0	%100
178	SA-5	Z	.004	.004	0	%100
179	SF5-BH	Z	.002	.002	0	%100
180	SF5-TH	Z	.002	.002	0	%100
181	SF6-BH	Z	.002	.002	0	%100
182	SF6-TH	Z	.002	.002	0	%100
183	MP-9	Z	.005	.005	0	%100
184	MP-10	Z	.005	.005	0	%100
185	MP-11	Z	.005	.005	0	%100
186	MP-12	Z	.005	.005	0	%100
187	RRU-5	Z	.005	.005	0	%100
188	RRU-6	Z	.005	.005	0	%100
189	SA-6	Z	.004	.004	0	%100
190	PM-1	Z	.005	.005	0	%100
191	MM-1	Z	.003	.003	0	%100
192	MM-2	Z	.003	.003	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,%]
193	PM-2	Z	.005	.005	0	%100
194	MM-3	Z	.003	.003	0	%100
195	MM-4	Z	.003	.003	0	%100
196	PM-3	Z	.005	.005	0	%100
197	MM-5	Z	.006	.006	0	%100
198	MM-6	Z	.006	.006	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	SF1-D1	Y	-.006	-.006	0	%100
2	SF1-D1-X	Y	-.006	-.006	0	%100
3	SF2-D1	Y	-.006	-.006	0	%100
4	SF2-D1-X	Y	-.006	-.006	0	%100
5	SF1-V1	Y	-.005	-.005	0	%100
6	SF1-V2	Y	-.005	-.005	0	%100
7	SF2-V1	Y	-.005	-.005	0	%100
8	SF2-V2	Y	-.005	-.005	0	%100
9	SF1-CPB	Y	-.009	-.009	0	%100
10	SF1-CPT	Y	-.009	-.009	0	%100
11	SF2-CPB	Y	-.009	-.009	0	%100
12	SF2-CPT	Y	-.009	-.009	0	%100
13	FFBH-1	Y	-.009	-.009	0	%100
14	FFBH-2	Y	-.009	-.009	0	%100
15	FFBH-3	Y	-.009	-.009	0	%100
16	FFTH-1	Y	-.009	-.009	0	%100
17	FFTH-2	Y	-.009	-.009	0	%100
18	FFTH-3	Y	-.009	-.009	0	%100
19	SA-1	Y	-.009	-.009	0	%100
20	SF1-BH	Y	-.009	-.009	0	%100
21	SF1-TH	Y	-.009	-.009	0	%100
22	SF2-BH	Y	-.009	-.009	0	%100
23	SF2-TH	Y	-.009	-.009	0	%100
24	MP-1	Y	-.009	-.009	0	%100
25	MP-2	Y	-.009	-.009	0	%100
26	MP-3	Y	-.009	-.009	0	%100
27	MP-4	Y	-.009	-.009	0	%100
28	RRU-1	Y	-.009	-.009	0	%100
29	RRU-2	Y	-.009	-.009	0	%100
30	SA-2	Y	-.009	-.009	0	%100
31	SF3-D1	Y	-.006	-.006	0	%100
32	SF3-D1-X	Y	-.006	-.006	0	%100
33	SF4-D1	Y	-.006	-.006	0	%100
34	SF4-D1-X	Y	-.006	-.006	0	%100
35	SF3-V1	Y	-.005	-.005	0	%100
36	SF3-V2	Y	-.005	-.005	0	%100
37	SF4-V1	Y	-.005	-.005	0	%100
38	SF4-V2	Y	-.005	-.005	0	%100
39	SF3-CPB	Y	-.009	-.009	0	%100
40	SF3-CPT	Y	-.009	-.009	0	%100
41	SF4-CPB	Y	-.009	-.009	0	%100
42	SF4-CPT	Y	-.009	-.009	0	%100
43	FFBH-4	Y	-.009	-.009	0	%100
44	FFBH-5	Y	-.009	-.009	0	%100
45	FFBH-6	Y	-.009	-.009	0	%100
46	FFTH-4	Y	-.009	-.009	0	%100
47	FFTH-5	Y	-.009	-.009	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
22	SF2-BH	X	-.006	-.006	0	%100
23	SF2-TH	X	-.006	-.006	0	%100
24	MP-1	X	-.008	-.008	0	%100
25	MP-2	X	-.008	-.008	0	%100
26	MP-3	X	-.008	-.008	0	%100
27	MP-4	X	-.008	-.008	0	%100
28	RRU-1	X	-.008	-.008	0	%100
29	RRU-2	X	-.008	-.008	0	%100
30	SA-2	X	-.003	-.003	0	%100
31	SF3-D1	X	-.003	-.003	0	%100
32	SF3-D1-X	X	-.003	-.003	0	%100
33	SF4-D1	X	-.003	-.003	0	%100
34	SF4-D1-X	X	-.003	-.003	0	%100
35	SF3-V1	X	-.002	-.002	0	%100
36	SF3-V2	X	-.002	-.002	0	%100
37	SF4-V1	X	-.002	-.002	0	%100
38	SF4-V2	X	-.002	-.002	0	%100
39	SF3-CPB	X	-.001	-.001	0	%100
40	SF3-CPT	X	-.001	-.001	0	%100
41	SF4-CPB	X	-.000956	-.000956	0	%100
42	SF4-CPT	X	-.000956	-.000956	0	%100
43	FFBH-4	X	-.008	-.008	0	%100
44	FFBH-5	X	-.008	-.008	0	%100
45	FFBH-6	X	-.008	-.008	0	%100
46	FFTH-4	X	-.008	-.008	0	%100
47	FFTH-5	X	-.008	-.008	0	%100
48	FFTH-6	X	-.008	-.008	0	%100
49	SA-3	X	-.004	-.004	0	%100
50	SF3-BH	X	-.006	-.006	0	%100
51	SF3-TH	X	-.006	-.006	0	%100
52	SF4-BH	X	-.001	-.001	0	%100
53	SF4-TH	X	-.001	-.001	0	%100
54	MP-5	X	-.008	-.008	0	%100
55	MP-6	X	-.008	-.008	0	%100
56	MP-7	X	-.008	-.008	0	%100
57	MP-8	X	-.008	-.008	0	%100
58	RRU-3	X	-.008	-.008	0	%100
59	RRU-4	X	-.008	-.008	0	%100
60	SA-4	X	-.004	-.004	0	%100
61	SF5-D1	X	-.003	-.003	0	%100
62	SF5-D1-X	X	-.003	-.003	0	%100
63	SF6-D1	X	-.003	-.003	0	%100
64	SF6-D1-X	X	-.003	-.003	0	%100
65	SF5-V1	X	-.002	-.002	0	%100
66	SF5-V2	X	-.002	-.002	0	%100
67	SF6-V1	X	-.002	-.002	0	%100
68	SF6-V2	X	-.002	-.002	0	%100
69	SF5-CPB	X	-.002	-.002	0	%100
70	SF5-CPT	X	-.002	-.002	0	%100
71	SF6-CPB	X	-.002	-.002	0	%100
72	SF6-CPT	X	-.002	-.002	0	%100
73	FFBH-7	X	-1e-6	-1e-6	0	%100
74	FFBH-8	X	0	0	0	%100
75	FFBH-9	X	-1e-6	-1e-6	0	%100
76	FFTH-7	X	-1e-6	-1e-6	0	%100
77	FFTH-8	X	0	0	0	%100
78	FFTH-9	X	-1e-6	-1e-6	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)

Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
79	SA-5	X	-.008	-.008	0	%100
80	SF5-BH	X	-.003	-.003	0	%100
81	SF5-TH	X	-.003	-.003	0	%100
82	SF6-BH	X	-.004	-.004	0	%100
83	SF6-TH	X	-.004	-.004	0	%100
84	MP-9	X	-.008	-.008	0	%100
85	MP-10	X	-.008	-.008	0	%100
86	MP-11	X	-.008	-.008	0	%100
87	MP-12	X	-.008	-.008	0	%100
88	RRU-5	X	-.008	-.008	0	%100
89	RRU-6	X	-.008	-.008	0	%100
90	SA-6	X	-.008	-.008	0	%100
91	PM-1	X	-.009	-.009	0	%100
92	MM-1	X	-.005	-.005	0	%100
93	MM-2	X	-.005	-.005	0	%100
94	PM-2	X	-.009	-.009	0	%100
95	MM-3	X	-.005	-.005	0	%100
96	MM-4	X	-.005	-.005	0	%100
97	PM-3	X	-.009	-.009	0	%100
98	MM-5	X	-.01	-.01	0	%100
99	MM-6	X	-.01	-.01	0	%100
100	SF1-D1	Z	.002	.002	0	%100
101	SF1-D1-X	Z	.002	.002	0	%100
102	SF2-D1	Z	.002	.002	0	%100
103	SF2-D1-X	Z	.002	.002	0	%100
104	SF1-V1	Z	.001	.001	0	%100
105	SF1-V2	Z	.001	.001	0	%100
106	SF2-V1	Z	.001	.001	0	%100
107	SF2-V2	Z	.001	.001	0	%100
108	SF1-CPB	Z	.000575	.000575	0	%100
109	SF1-CPT	Z	.000575	.000575	0	%100
110	SF2-CPB	Z	.000843	.000843	0	%100
111	SF2-CPT	Z	.000843	.000843	0	%100
112	FFBH-1	Z	.003	.003	0	%100
113	FFBH-2	Z	.005	.005	0	%100
114	FFBH-3	Z	.003	.003	0	%100
115	FFTH-1	Z	.003	.003	0	%100
116	FFTH-2	Z	.005	.005	0	%100
117	FFTH-3	Z	.003	.003	0	%100
118	SA-1	Z	.003	.003	0	%100
119	SF1-BH	Z	.000959	.000959	0	%100
120	SF1-TH	Z	.000959	.000959	0	%100
121	SF2-BH	Z	.003	.003	0	%100
122	SF2-TH	Z	.003	.003	0	%100
123	MP-1	Z	.005	.005	0	%100
124	MP-2	Z	.005	.005	0	%100
125	MP-3	Z	.005	.005	0	%100
126	MP-4	Z	.005	.005	0	%100
127	RRU-1	Z	.005	.005	0	%100
128	RRU-2	Z	.005	.005	0	%100
129	SA-2	Z	.003	.003	0	%100
130	SF3-D1	Z	.002	.002	0	%100
131	SF3-D1-X	Z	.002	.002	0	%100
132	SF4-D1	Z	.002	.002	0	%100
133	SF4-D1-X	Z	.002	.002	0	%100
134	SF3-V1	Z	.001	.001	0	%100
135	SF3-V2	Z	.001	.001	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,%]
110	SF2-CPB	Z	.002	.002	0	%100
111	SF2-CPT	Z	.002	.002	0	%100
112	FFBH-1	Z	.003	.003	0	%100
113	FFBH-2	Z	.006	.006	0	%100
114	FFBH-3	Z	.003	.003	0	%100
115	FFTH-1	Z	.003	.003	0	%100
116	FFTH-2	Z	.006	.006	0	%100
117	FFTH-3	Z	.003	.003	0	%100
118	SA-1	Z	.005	.005	0	%100
119	SF1-BH	Z	.000188	.000188	0	%100
120	SF1-TH	Z	.000188	.000188	0	%100
121	SF2-BH	Z	.005	.005	0	%100
122	SF2-TH	Z	.005	.005	0	%100
123	MP-1	Z	.007	.007	0	%100
124	MP-2	Z	.007	.007	0	%100
125	MP-3	Z	.007	.007	0	%100
126	MP-4	Z	.007	.007	0	%100
127	RRU-1	Z	.007	.007	0	%100
128	RRU-2	Z	.007	.007	0	%100
129	SA-2	Z	.005	.005	0	%100
130	SF3-D1	Z	.002	.002	0	%100
131	SF3-D1-X	Z	.002	.002	0	%100
132	SF4-D1	Z	.002	.002	0	%100
133	SF4-D1-X	Z	.002	.002	0	%100
134	SF3-V1	Z	.002	.002	0	%100
135	SF3-V2	Z	.002	.002	0	%100
136	SF4-V1	Z	.002	.002	0	%100
137	SF4-V2	Z	.002	.002	0	%100
138	SF3-CPB	Z	.000632	.000632	0	%100
139	SF3-CPT	Z	.000632	.000632	0	%100
140	SF4-CPB	Z	.00028	.00028	0	%100
141	SF4-CPT	Z	.00028	.00028	0	%100
142	FFBH-4	Z	.008	.008	0	%100
143	FFBH-5	Z	.008	.008	0	%100
144	FFBH-6	Z	.008	.008	0	%100
145	FFTH-4	Z	.008	.008	0	%100
146	FFTH-5	Z	.008	.008	0	%100
147	FFTH-6	Z	.008	.008	0	%100
148	SA-3	Z	.001	.001	0	%100
149	SF3-BH	Z	.004	.004	0	%100
150	SF3-TH	Z	.004	.004	0	%100
151	SF4-BH	Z	.003	.003	0	%100
152	SF4-TH	Z	.003	.003	0	%100
153	MP-5	Z	.007	.007	0	%100
154	MP-6	Z	.007	.007	0	%100
155	MP-7	Z	.007	.007	0	%100
156	MP-8	Z	.007	.007	0	%100
157	RRU-3	Z	.007	.007	0	%100
158	RRU-4	Z	.007	.007	0	%100
159	SA-4	Z	.001	.001	0	%100
160	SF5-D1	Z	.002	.002	0	%100
161	SF5-D1-X	Z	.002	.002	0	%100
162	SF6-D1	Z	.002	.002	0	%100
163	SF6-D1-X	Z	.002	.002	0	%100
164	SF5-V1	Z	.002	.002	0	%100
165	SF5-V2	Z	.002	.002	0	%100
166	SF6-V1	Z	.002	.002	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,%]
167	SF6-V2	Z	.002	.002	0	%100
168	SF5-CPB	Z	.002	.002	0	%100
169	SF5-CPT	Z	.002	.002	0	%100
170	SF6-CPB	Z	.002	.002	0	%100
171	SF6-CPT	Z	.002	.002	0	%100
172	FFBH-7	Z	.002	.002	0	%100
173	FFBH-8	Z	.002	.002	0	%100
174	FFBH-9	Z	.002	.002	0	%100
175	FFTH-7	Z	.002	.002	0	%100
176	FFTH-8	Z	.002	.002	0	%100
177	FFTH-9	Z	.002	.002	0	%100
178	SA-5	Z	.005	.005	0	%100
179	SF5-BH	Z	.004	.004	0	%100
180	SF5-TH	Z	.004	.004	0	%100
181	SF6-BH	Z	.002	.002	0	%100
182	SF6-TH	Z	.002	.002	0	%100
183	MP-9	Z	.007	.007	0	%100
184	MP-10	Z	.007	.007	0	%100
185	MP-11	Z	.007	.007	0	%100
186	MP-12	Z	.007	.007	0	%100
187	RRU-5	Z	.007	.007	0	%100
188	RRU-6	Z	.007	.007	0	%100
189	SA-6	Z	.005	.005	0	%100
190	PM-1	Z	.008	.008	0	%100
191	MM-1	Z	.006	.006	0	%100
192	MM-2	Z	.006	.006	0	%100
193	PM-2	Z	.008	.008	0	%100
194	MM-3	Z	.002	.002	0	%100
195	MM-4	Z	.002	.002	0	%100
196	PM-3	Z	.008	.008	0	%100
197	MM-5	Z	.008	.008	0	%100
198	MM-6	Z	.008	.008	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	SF1-D1	X	-.003	-.003	0	%100
2	SF1-D1-X	X	-.003	-.003	0	%100
3	SF2-D1	X	-.003	-.003	0	%100
4	SF2-D1-X	X	-.003	-.003	0	%100
5	SF1-V1	X	-.002	-.002	0	%100
6	SF1-V2	X	-.002	-.002	0	%100
7	SF2-V1	X	-.002	-.002	0	%100
8	SF2-V2	X	-.002	-.002	0	%100
9	SF1-CPB	X	-.000848	-.000848	0	%100
10	SF1-CPT	X	-.000848	-.000848	0	%100
11	SF2-CPB	X	-.001	-.001	0	%100
12	SF2-CPT	X	-.001	-.001	0	%100
13	FFBH-1	X	-.008	-.008	0	%100
14	FFBH-2	X	-.008	-.008	0	%100
15	FFBH-3	X	-.008	-.008	0	%100
16	FFTH-1	X	-.008	-.008	0	%100
17	FFTH-2	X	-.008	-.008	0	%100
18	FFTH-3	X	-.008	-.008	0	%100
19	SA-1	X	-.003	-.003	0	%100
20	SF1-BH	X	-.002	-.002	0	%100
21	SF1-TH	X	-.002	-.002	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,%]
198	MM-6	Z	.009	.009	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	-.002	-.002	0	%100
2	SF1-D1-X	X	-.002	-.002	0	%100
3	SF2-D1	X	-.002	-.002	0	%100
4	SF2-D1-X	X	-.002	-.002	0	%100
5	SF1-V1	X	-.002	-.002	0	%100
6	SF1-V2	X	-.002	-.002	0	%100
7	SF2-V1	X	-.002	-.002	0	%100
8	SF2-V2	X	-.002	-.002	0	%100
9	SF1-CPB	X	-.001	-.001	0	%100
10	SF1-CPT	X	-.001	-.001	0	%100
11	SF2-CPB	X	-.001	-.001	0	%100
12	SF2-CPT	X	-.001	-.001	0	%100
13	FFBH-1	X	-.006	-.006	0	%100
14	FFBH-2	X	-.006	-.006	0	%100
15	FFBH-3	X	-.006	-.006	0	%100
16	FFTH-1	X	-.006	-.006	0	%100
17	FFTH-2	X	-.006	-.006	0	%100
18	FFTH-3	X	-.006	-.006	0	%100
19	SA-1	X	-.003	-.003	0	%100
20	SF1-BH	X	-.000192	-.000192	0	%100
21	SF1-TH	X	-.000192	-.000192	0	%100
22	SF2-BH	X	-.005	-.005	0	%100
23	SF2-TH	X	-.005	-.005	0	%100
24	MP-1	X	-.007	-.007	0	%100
25	MP-2	X	-.007	-.007	0	%100
26	MP-3	X	-.007	-.007	0	%100
27	MP-4	X	-.007	-.007	0	%100
28	RRU-1	X	-.007	-.007	0	%100
29	RRU-2	X	-.007	-.007	0	%100
30	SA-2	X	-.003	-.003	0	%100
31	SF3-D1	X	-.002	-.002	0	%100
32	SF3-D1-X	X	-.002	-.002	0	%100
33	SF4-D1	X	-.002	-.002	0	%100
34	SF4-D1-X	X	-.002	-.002	0	%100
35	SF3-V1	X	-.002	-.002	0	%100
36	SF3-V2	X	-.002	-.002	0	%100
37	SF4-V1	X	-.002	-.002	0	%100
38	SF4-V2	X	-.002	-.002	0	%100
39	SF3-CPB	X	-.000719	-.000719	0	%100
40	SF3-CPT	X	-.000719	-.000719	0	%100
41	SF4-CPB	X	-.000295	-.000295	0	%100
42	SF4-CPT	X	-.000295	-.000295	0	%100
43	FFBH-4	X	-.008	-.008	0	%100
44	FFBH-5	X	-.008	-.008	0	%100
45	FFBH-6	X	-.008	-.008	0	%100
46	FFTH-4	X	-.008	-.008	0	%100
47	FFTH-5	X	-.008	-.008	0	%100
48	FFTH-6	X	-.008	-.008	0	%100
49	SA-3	X	-.001	-.001	0	%100
50	SF3-BH	X	-.004	-.004	0	%100
51	SF3-TH	X	-.004	-.004	0	%100
52	SF4-BH	X	-.002	-.002	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,%]
53	SF4-TH	X	-.002	-.002	0	%100
54	MP-5	X	-.007	-.007	0	%100
55	MP-6	X	-.007	-.007	0	%100
56	MP-7	X	-.007	-.007	0	%100
57	MP-8	X	-.007	-.007	0	%100
58	RRU-3	X	-.007	-.007	0	%100
59	RRU-4	X	-.007	-.007	0	%100
60	SA-4	X	-.001	-.001	0	%100
61	SF5-D1	X	-.002	-.002	0	%100
62	SF5-D1-X	X	-.002	-.002	0	%100
63	SF6-D1	X	-.002	-.002	0	%100
64	SF6-D1-X	X	-.002	-.002	0	%100
65	SF5-V1	X	-.002	-.002	0	%100
66	SF5-V2	X	-.002	-.002	0	%100
67	SF6-V1	X	-.002	-.002	0	%100
68	SF6-V2	X	-.002	-.002	0	%100
69	SF5-CPB	X	-.002	-.002	0	%100
70	SF5-CPT	X	-.002	-.002	0	%100
71	SF6-CPB	X	-.002	-.002	0	%100
72	SF6-CPT	X	-.002	-.002	0	%100
73	FFBH-7	X	-.002	-.002	0	%100
74	FFBH-8	X	-.002	-.002	0	%100
75	FFBH-9	X	-.002	-.002	0	%100
76	FFTH-7	X	-.002	-.002	0	%100
77	FFTH-8	X	-.002	-.002	0	%100
78	FFTH-9	X	-.002	-.002	0	%100
79	SA-5	X	-.006	-.006	0	%100
80	SF5-BH	X	-.003	-.003	0	%100
81	SF5-TH	X	-.003	-.003	0	%100
82	SF6-BH	X	-.002	-.002	0	%100
83	SF6-TH	X	-.002	-.002	0	%100
84	MP-9	X	-.007	-.007	0	%100
85	MP-10	X	-.007	-.007	0	%100
86	MP-11	X	-.007	-.007	0	%100
87	MP-12	X	-.007	-.007	0	%100
88	RRU-5	X	-.007	-.007	0	%100
89	RRU-6	X	-.007	-.007	0	%100
90	SA-6	X	-.006	-.006	0	%100
91	PM-1	X	-.008	-.008	0	%100
92	MM-1	X	-.006	-.006	0	%100
93	MM-2	X	-.006	-.006	0	%100
94	PM-2	X	-.008	-.008	0	%100
95	MM-3	X	-.002	-.002	0	%100
96	MM-4	X	-.002	-.002	0	%100
97	PM-3	X	-.008	-.008	0	%100
98	MM-5	X	-.008	-.008	0	%100
99	MM-6	X	-.008	-.008	0	%100
100	SF1-D1	Z	.002	.002	0	%100
101	SF1-D1-X	Z	.002	.002	0	%100
102	SF2-D1	Z	.002	.002	0	%100
103	SF2-D1-X	Z	.002	.002	0	%100
104	SF1-V1	Z	.002	.002	0	%100
105	SF1-V2	Z	.002	.002	0	%100
106	SF2-V1	Z	.002	.002	0	%100
107	SF2-V2	Z	.002	.002	0	%100
108	SF1-CPB	Z	.001	.001	0	%100
109	SF1-CPT	Z	.001	.001	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,%]
84	MP-9	X	-.005	-.005	0	%100
85	MP-10	X	-.005	-.005	0	%100
86	MP-11	X	-.005	-.005	0	%100
87	MP-12	X	-.005	-.005	0	%100
88	RRU-5	X	-.005	-.005	0	%100
89	RRU-6	X	-.005	-.005	0	%100
90	SA-6	X	-.004	-.004	0	%100
91	PM-1	X	-.005	-.005	0	%100
92	MM-1	X	-.005	-.005	0	%100
93	MM-2	X	-.005	-.005	0	%100
94	PM-2	X	-.005	-.005	0	%100
95	MM-3	X	0	0	0	%100
96	MM-4	X	0	0	0	%100
97	PM-3	X	-.005	-.005	0	%100
98	MM-5	X	-.005	-.005	0	%100
99	MM-6	X	-.005	-.005	0	%100
100	SF1-D1	Z	.003	.003	0	%100
101	SF1-D1-X	Z	.003	.003	0	%100
102	SF2-D1	Z	.003	.003	0	%100
103	SF2-D1-X	Z	.003	.003	0	%100
104	SF1-V1	Z	.002	.002	0	%100
105	SF1-V2	Z	.002	.002	0	%100
106	SF2-V1	Z	.002	.002	0	%100
107	SF2-V2	Z	.002	.002	0	%100
108	SF1-CPB	Z	.002	.002	0	%100
109	SF1-CPT	Z	.002	.002	0	%100
110	SF2-CPB	Z	.002	.002	0	%100
111	SF2-CPT	Z	.002	.002	0	%100
112	FFBH-1	Z	.003	.003	0	%100
113	FFBH-2	Z	.005	.005	0	%100
114	FFBH-3	Z	.003	.003	0	%100
115	FFTH-1	Z	.003	.003	0	%100
116	FFTH-2	Z	.005	.005	0	%100
117	FFTH-3	Z	.003	.003	0	%100
118	SA-1	Z	.007	.007	0	%100
119	SF1-BH	Z	.001	.001	0	%100
120	SF1-TH	Z	.001	.001	0	%100
121	SF2-BH	Z	.005	.005	0	%100
122	SF2-TH	Z	.005	.005	0	%100
123	MP-1	Z	.008	.008	0	%100
124	MP-2	Z	.008	.008	0	%100
125	MP-3	Z	.008	.008	0	%100
126	MP-4	Z	.008	.008	0	%100
127	RRU-1	Z	.008	.008	0	%100
128	RRU-2	Z	.008	.008	0	%100
129	SA-2	Z	.007	.007	0	%100
130	SF3-D1	Z	.003	.003	0	%100
131	SF3-D1-X	Z	.003	.003	0	%100
132	SF4-D1	Z	.003	.003	0	%100
133	SF4-D1-X	Z	.003	.003	0	%100
134	SF3-V1	Z	.002	.002	0	%100
135	SF3-V2	Z	.002	.002	0	%100
136	SF4-V1	Z	.002	.002	0	%100
137	SF4-V2	Z	.002	.002	0	%100
138	SF3-CPB	Z	.000232	.000232	0	%100
139	SF3-CPT	Z	.000232	.000232	0	%100
140	SF4-CPB	Z	.000244	.000244	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,%]
141	SF4-CPT	Z	.000244	.000244	0	%100
142	FFBH-4	Z	.01	.01	0	%100
143	FFBH-5	Z	.01	.01	0	%100
144	FFBH-6	Z	.01	.01	0	%100
145	FFTH-4	Z	.01	.01	0	%100
146	FFTH-5	Z	.01	.01	0	%100
147	FFTH-6	Z	.01	.01	0	%100
148	SA-3	Z	.000442	.000442	0	%100
149	SF3-BH	Z	.004	.004	0	%100
150	SF3-TH	Z	.004	.004	0	%100
151	SF4-BH	Z	.005	.005	0	%100
152	SF4-TH	Z	.005	.005	0	%100
153	MP-5	Z	.008	.008	0	%100
154	MP-6	Z	.008	.008	0	%100
155	MP-7	Z	.008	.008	0	%100
156	MP-8	Z	.008	.008	0	%100
157	RRU-3	Z	.008	.008	0	%100
158	RRU-4	Z	.008	.008	0	%100
159	SA-4	Z	.000442	.000442	0	%100
160	SF5-D1	Z	.003	.003	0	%100
161	SF5-D1-X	Z	.003	.003	0	%100
162	SF6-D1	Z	.003	.003	0	%100
163	SF6-D1-X	Z	.003	.003	0	%100
164	SF5-V1	Z	.002	.002	0	%100
165	SF5-V2	Z	.002	.002	0	%100
166	SF6-V1	Z	.002	.002	0	%100
167	SF6-V2	Z	.002	.002	0	%100
168	SF5-CPB	Z	.002	.002	0	%100
169	SF5-CPT	Z	.002	.002	0	%100
170	SF6-CPB	Z	.002	.002	0	%100
171	SF6-CPT	Z	.002	.002	0	%100
172	FFBH-7	Z	.005	.005	0	%100
173	FFBH-8	Z	.005	.005	0	%100
174	FFBH-9	Z	.005	.005	0	%100
175	FFTH-7	Z	.005	.005	0	%100
176	FFTH-8	Z	.005	.005	0	%100
177	FFTH-9	Z	.005	.005	0	%100
178	SA-5	Z	.006	.006	0	%100
179	SF5-BH	Z	.006	.006	0	%100
180	SF5-TH	Z	.006	.006	0	%100
181	SF6-BH	Z	.001	.001	0	%100
182	SF6-TH	Z	.001	.001	0	%100
183	MP-9	Z	.008	.008	0	%100
184	MP-10	Z	.008	.008	0	%100
185	MP-11	Z	.008	.008	0	%100
186	MP-12	Z	.008	.008	0	%100
187	RRU-5	Z	.008	.008	0	%100
188	RRU-6	Z	.008	.008	0	%100
189	SA-6	Z	.006	.006	0	%100
190	PM-1	Z	.009	.009	0	%100
191	MM-1	Z	.009	.009	0	%100
192	MM-2	Z	.009	.009	0	%100
193	PM-2	Z	.009	.009	0	%100
194	MM-3	Z	0	0	0	%100
195	MM-4	Z	0	0	0	%100
196	PM-3	Z	.009	.009	0	%100
197	MM-5	Z	.009	.009	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
73	FFBH-7	Z	.01	.01	0	%100
74	FFBH-8	Z	.01	.01	0	%100
75	FFBH-9	Z	.01	.01	0	%100
76	FFTH-7	Z	.01	.01	0	%100
77	FFTH-8	Z	.01	.01	0	%100
78	FFTH-9	Z	.01	.01	0	%100
79	SA-5	Z	.003	.003	0	%100
80	SF5-BH	Z	.007	.007	0	%100
81	SF5-TH	Z	.007	.007	0	%100
82	SF6-BH	Z	.002	.002	0	%100
83	SF6-TH	Z	.002	.002	0	%100
84	MP-9	Z	.009	.009	0	%100
85	MP-10	Z	.009	.009	0	%100
86	MP-11	Z	.009	.009	0	%100
87	MP-12	Z	.009	.009	0	%100
88	RRU-5	Z	.009	.009	0	%100
89	RRU-6	Z	.009	.009	0	%100
90	SA-6	Z	.003	.003	0	%100
91	PM-1	Z	.011	.011	0	%100
92	MM-1	Z	.012	.012	0	%100
93	MM-2	Z	.012	.012	0	%100
94	PM-2	Z	.011	.011	0	%100
95	MM-3	Z	.006	.006	0	%100
96	MM-4	Z	.006	.006	0	%100
97	PM-3	Z	.011	.011	0	%100
98	MM-5	Z	.006	.006	0	%100
99	MM-6	Z	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	-.002	-.002	0	%100
2	SF1-D1-X	X	-.002	-.002	0	%100
3	SF2-D1	X	-.002	-.002	0	%100
4	SF2-D1-X	X	-.002	-.002	0	%100
5	SF1-V1	X	-.001	-.001	0	%100
6	SF1-V2	X	-.001	-.001	0	%100
7	SF2-V1	X	-.001	-.001	0	%100
8	SF2-V2	X	-.001	-.001	0	%100
9	SF1-CPB	X	-.00098	-.00098	0	%100
10	SF1-CPT	X	-.00098	-.00098	0	%100
11	SF2-CPB	X	-.001	-.001	0	%100
12	SF2-CPT	X	-.001	-.001	0	%100
13	FFBH-1	X	-.003	-.003	0	%100
14	FFBH-2	X	-.003	-.003	0	%100
15	FFBH-3	X	-.003	-.003	0	%100
16	FFTH-1	X	-.003	-.003	0	%100
17	FFTH-2	X	-.003	-.003	0	%100
18	FFTH-3	X	-.003	-.003	0	%100
19	SA-1	X	-.002	-.002	0	%100
20	SF1-BH	X	-.000715	-.000715	0	%100
21	SF1-TH	X	-.000715	-.000715	0	%100
22	SF2-BH	X	-.003	-.003	0	%100
23	SF2-TH	X	-.003	-.003	0	%100
24	MP-1	X	-.005	-.005	0	%100
25	MP-2	X	-.005	-.005	0	%100
26	MP-3	X	-.005	-.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)

Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
27	MP-4	X	-.005	-.005	0	%100
28	RRU-1	X	-.005	-.005	0	%100
29	RRU-2	X	-.005	-.005	0	%100
30	SA-2	X	-.002	-.002	0	%100
31	SF3-D1	X	-.002	-.002	0	%100
32	SF3-D1-X	X	-.002	-.002	0	%100
33	SF4-D1	X	-.002	-.002	0	%100
34	SF4-D1-X	X	-.002	-.002	0	%100
35	SF3-V1	X	-.001	-.001	0	%100
36	SF3-V2	X	-.001	-.001	0	%100
37	SF4-V1	X	-.001	-.001	0	%100
38	SF4-V2	X	-.001	-.001	0	%100
39	SF3-CPB	X	-.000152	-.000152	0	%100
40	SF3-CPT	X	-.000152	-.000152	0	%100
41	SF4-CPB	X	-.000148	-.000148	0	%100
42	SF4-CPT	X	-.000148	-.000148	0	%100
43	FFBH-4	X	-.006	-.006	0	%100
44	FFBH-5	X	-.006	-.006	0	%100
45	FFBH-6	X	-.006	-.006	0	%100
46	FFTH-4	X	-.006	-.006	0	%100
47	FFTH-5	X	-.006	-.006	0	%100
48	FFTH-6	X	-.006	-.006	0	%100
49	SA-3	X	-.000278	-.000278	0	%100
50	SF3-BH	X	-.003	-.003	0	%100
51	SF3-TH	X	-.003	-.003	0	%100
52	SF4-BH	X	-.002	-.002	0	%100
53	SF4-TH	X	-.002	-.002	0	%100
54	MP-5	X	-.005	-.005	0	%100
55	MP-6	X	-.005	-.005	0	%100
56	MP-7	X	-.005	-.005	0	%100
57	MP-8	X	-.005	-.005	0	%100
58	RRU-3	X	-.005	-.005	0	%100
59	RRU-4	X	-.005	-.005	0	%100
60	SA-4	X	-.000278	-.000278	0	%100
61	SF5-D1	X	-.002	-.002	0	%100
62	SF5-D1-X	X	-.002	-.002	0	%100
63	SF6-D1	X	-.002	-.002	0	%100
64	SF6-D1-X	X	-.002	-.002	0	%100
65	SF5-V1	X	-.001	-.001	0	%100
66	SF5-V2	X	-.001	-.001	0	%100
67	SF6-V1	X	-.001	-.001	0	%100
68	SF6-V2	X	-.001	-.001	0	%100
69	SF5-CPB	X	-.001	-.001	0	%100
70	SF5-CPT	X	-.001	-.001	0	%100
71	SF6-CPB	X	-.001	-.001	0	%100
72	SF6-CPT	X	-.001	-.001	0	%100
73	FFBH-7	X	-.003	-.003	0	%100
74	FFBH-8	X	-.003	-.003	0	%100
75	FFBH-9	X	-.003	-.003	0	%100
76	FFTH-7	X	-.003	-.003	0	%100
77	FFTH-8	X	-.003	-.003	0	%100
78	FFTH-9	X	-.003	-.003	0	%100
79	SA-5	X	-.004	-.004	0	%100
80	SF5-BH	X	-.003	-.003	0	%100
81	SF5-TH	X	-.003	-.003	0	%100
82	SF6-BH	X	-.000767	-.000767	0	%100
83	SF6-TH	X	-.000767	-.000767	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,%]
161	SF5-D1-X	Z	.003	.003	0	%100
162	SF6-D1	Z	.003	.003	0	%100
163	SF6-D1-X	Z	.003	.003	0	%100
164	SF5-V1	Z	.002	.002	0	%100
165	SF5-V2	Z	.002	.002	0	%100
166	SF6-V1	Z	.002	.002	0	%100
167	SF6-V2	Z	.002	.002	0	%100
168	SF5-CPB	Z	.000244	.000244	0	%100
169	SF5-CPT	Z	.000244	.000244	0	%100
170	SF6-CPB	Z	.000232	.000232	0	%100
171	SF6-CPT	Z	.000232	.000232	0	%100
172	FFBH-7	Z	.01	.01	0	%100
173	FFBH-8	Z	.01	.01	0	%100
174	FFBH-9	Z	.01	.01	0	%100
175	FFTH-7	Z	.01	.01	0	%100
176	FFTH-8	Z	.01	.01	0	%100
177	FFTH-9	Z	.01	.01	0	%100
178	SA-5	Z	.000407	.000407	0	%100
179	SF5-BH	Z	.005	.005	0	%100
180	SF5-TH	Z	.005	.005	0	%100
181	SF6-BH	Z	.004	.004	0	%100
182	SF6-TH	Z	.004	.004	0	%100
183	MP-9	Z	.008	.008	0	%100
184	MP-10	Z	.008	.008	0	%100
185	MP-11	Z	.008	.008	0	%100
186	MP-12	Z	.008	.008	0	%100
187	RRU-5	Z	.008	.008	0	%100
188	RRU-6	Z	.008	.008	0	%100
189	SA-6	Z	.000407	.000407	0	%100
190	PM-1	Z	.009	.009	0	%100
191	MM-1	Z	.009	.009	0	%100
192	MM-2	Z	.009	.009	0	%100
193	PM-2	Z	.009	.009	0	%100
194	MM-3	Z	.009	.009	0	%100
195	MM-4	Z	.009	.009	0	%100
196	PM-3	Z	.009	.009	0	%100
197	MM-5	Z	0	0	0	%100
198	MM-6	Z	0	0	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	SF1-D1	Z	.003	.003	0	%100
2	SF1-D1-X	Z	.003	.003	0	%100
3	SF2-D1	Z	.003	.003	0	%100
4	SF2-D1-X	Z	.003	.003	0	%100
5	SF1-V1	Z	.002	.002	0	%100
6	SF1-V2	Z	.002	.002	0	%100
7	SF2-V1	Z	.002	.002	0	%100
8	SF2-V2	Z	.002	.002	0	%100
9	SF1-CPB	Z	.003	.003	0	%100
10	SF1-CPT	Z	.003	.003	0	%100
11	SF2-CPB	Z	.003	.003	0	%100
12	SF2-CPT	Z	.003	.003	0	%100
13	FFBH-1	Z	0	0	0	%100
14	FFBH-2	Z	0	0	0	%100
15	FFBH-3	Z	0	0	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
16	FFTH-1	Z	0	0	0	%100
17	FFTH-2	Z	0	0	0	%100
18	FFTH-3	Z	0	0	0	%100
19	SA-1	Z	.009	.009	0	%100
20	SF1-BH	Z	.004	.004	0	%100
21	SF1-TH	Z	.004	.004	0	%100
22	SF2-BH	Z	.004	.004	0	%100
23	SF2-TH	Z	.004	.004	0	%100
24	MP-1	Z	.009	.009	0	%100
25	MP-2	Z	.009	.009	0	%100
26	MP-3	Z	.009	.009	0	%100
27	MP-4	Z	.009	.009	0	%100
28	RRU-1	Z	.009	.009	0	%100
29	RRU-2	Z	.009	.009	0	%100
30	SA-2	Z	.009	.009	0	%100
31	SF3-D1	Z	.003	.003	0	%100
32	SF3-D1-X	Z	.003	.003	0	%100
33	SF4-D1	Z	.003	.003	0	%100
34	SF4-D1-X	Z	.003	.003	0	%100
35	SF3-V1	Z	.002	.002	0	%100
36	SF3-V2	Z	.002	.002	0	%100
37	SF4-V1	Z	.002	.002	0	%100
38	SF4-V2	Z	.002	.002	0	%100
39	SF3-CPB	Z	.000996	.000996	0	%100
40	SF3-CPT	Z	.000996	.000996	0	%100
41	SF4-CPB	Z	.002	.002	0	%100
42	SF4-CPT	Z	.002	.002	0	%100
43	FFBH-4	Z	.01	.01	0	%100
44	FFBH-5	Z	.01	.01	0	%100
45	FFBH-6	Z	.01	.01	0	%100
46	FFTH-4	Z	.01	.01	0	%100
47	FFTH-5	Z	.01	.01	0	%100
48	FFTH-6	Z	.01	.01	0	%100
49	SA-3	Z	.005	.005	0	%100
50	SF3-BH	Z	.002	.002	0	%100
51	SF3-TH	Z	.002	.002	0	%100
52	SF4-BH	Z	.007	.007	0	%100
53	SF4-TH	Z	.007	.007	0	%100
54	MP-5	Z	.009	.009	0	%100
55	MP-6	Z	.009	.009	0	%100
56	MP-7	Z	.009	.009	0	%100
57	MP-8	Z	.009	.009	0	%100
58	RRU-3	Z	.009	.009	0	%100
59	RRU-4	Z	.009	.009	0	%100
60	SA-4	Z	.005	.005	0	%100
61	SF5-D1	Z	.003	.003	0	%100
62	SF5-D1-X	Z	.003	.003	0	%100
63	SF6-D1	Z	.003	.003	0	%100
64	SF6-D1-X	Z	.003	.003	0	%100
65	SF5-V1	Z	.002	.002	0	%100
66	SF5-V2	Z	.002	.002	0	%100
67	SF6-V1	Z	.002	.002	0	%100
68	SF6-V2	Z	.002	.002	0	%100
69	SF5-CPB	Z	.002	.002	0	%100
70	SF5-CPT	Z	.002	.002	0	%100
71	SF6-CPB	Z	.000996	.000996	0	%100
72	SF6-CPT	Z	.000996	.000996	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,%]
47	FFTH-5	X	.003	.003	0	%100
48	FFTH-6	X	.003	.003	0	%100
49	SA-3	X	.004	.004	0	%100
50	SF3-BH	X	.000767	.000767	0	%100
51	SF3-TH	X	.000767	.000767	0	%100
52	SF4-BH	X	.003	.003	0	%100
53	SF4-TH	X	.003	.003	0	%100
54	MP-5	X	.005	.005	0	%100
55	MP-6	X	.005	.005	0	%100
56	MP-7	X	.005	.005	0	%100
57	MP-8	X	.005	.005	0	%100
58	RRU-3	X	.005	.005	0	%100
59	RRU-4	X	.005	.005	0	%100
60	SA-4	X	.004	.004	0	%100
61	SF5-D1	X	.002	.002	0	%100
62	SF5-D1-X	X	.002	.002	0	%100
63	SF6-D1	X	.002	.002	0	%100
64	SF6-D1-X	X	.002	.002	0	%100
65	SF5-V1	X	.001	.001	0	%100
66	SF5-V2	X	.001	.001	0	%100
67	SF6-V1	X	.001	.001	0	%100
68	SF6-V2	X	.001	.001	0	%100
69	SF5-CPB	X	.000148	.000148	0	%100
70	SF5-CPT	X	.000148	.000148	0	%100
71	SF6-CPB	X	.000152	.000152	0	%100
72	SF6-CPT	X	.000152	.000152	0	%100
73	FFBH-7	X	.006	.006	0	%100
74	FFBH-8	X	.006	.006	0	%100
75	FFBH-9	X	.006	.006	0	%100
76	FFTH-7	X	.006	.006	0	%100
77	FFTH-8	X	.006	.006	0	%100
78	FFTH-9	X	.006	.006	0	%100
79	SA-5	X	.000278	.000278	0	%100
80	SF5-BH	X	.002	.002	0	%100
81	SF5-TH	X	.002	.002	0	%100
82	SF6-BH	X	.003	.003	0	%100
83	SF6-TH	X	.003	.003	0	%100
84	MP-9	X	.005	.005	0	%100
85	MP-10	X	.005	.005	0	%100
86	MP-11	X	.005	.005	0	%100
87	MP-12	X	.005	.005	0	%100
88	RRU-5	X	.005	.005	0	%100
89	RRU-6	X	.005	.005	0	%100
90	SA-6	X	.000278	.000278	0	%100
91	PM-1	X	.005	.005	0	%100
92	MM-1	X	.005	.005	0	%100
93	MM-2	X	.005	.005	0	%100
94	PM-2	X	.005	.005	0	%100
95	MM-3	X	.005	.005	0	%100
96	MM-4	X	.005	.005	0	%100
97	PM-3	X	.005	.005	0	%100
98	MM-5	X	0	0	0	%100
99	MM-6	X	0	0	0	%100
100	SF1-D1	Z	.003	.003	0	%100
101	SF1-D1-X	Z	.003	.003	0	%100
102	SF2-D1	Z	.003	.003	0	%100
103	SF2-D1-X	Z	.003	.003	0	%100

RISA A NELETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
104	SF1-V1	Z	.002	.002	0	%100
105	SF1-V2	Z	.002	.002	0	%100
106	SF2-V1	Z	.002	.002	0	%100
107	SF2-V2	Z	.002	.002	0	%100
108	SF1-CPB	Z	.002	.002	0	%100
109	SF1-CPT	Z	.002	.002	0	%100
110	SF2-CPB	Z	.002	.002	0	%100
111	SF2-CPT	Z	.002	.002	0	%100
112	FFBH-1	Z	.003	.003	0	%100
113	FFBH-2	Z	.005	.005	0	%100
114	FFBH-3	Z	.003	.003	0	%100
115	FFTH-1	Z	.003	.003	0	%100
116	FFTH-2	Z	.005	.005	0	%100
117	FFTH-3	Z	.003	.003	0	%100
118	SA-1	Z	.007	.007	0	%100
119	SF1-BH	Z	.005	.005	0	%100
120	SF1-TH	Z	.005	.005	0	%100
121	SF2-BH	Z	.001	.001	0	%100
122	SF2-TH	Z	.001	.001	0	%100
123	MP-1	Z	.008	.008	0	%100
124	MP-2	Z	.008	.008	0	%100
125	MP-3	Z	.008	.008	0	%100
126	MP-4	Z	.008	.008	0	%100
127	RRU-1	Z	.008	.008	0	%100
128	RRU-2	Z	.008	.008	0	%100
129	SA-2	Z	.007	.007	0	%100
130	SF3-D1	Z	.003	.003	0	%100
131	SF3-D1-X	Z	.003	.003	0	%100
132	SF4-D1	Z	.003	.003	0	%100
133	SF4-D1-X	Z	.003	.003	0	%100
134	SF3-V1	Z	.002	.002	0	%100
135	SF3-V2	Z	.002	.002	0	%100
136	SF4-V1	Z	.002	.002	0	%100
137	SF4-V2	Z	.002	.002	0	%100
138	SF3-CPB	Z	.002	.002	0	%100
139	SF3-CPT	Z	.002	.002	0	%100
140	SF4-CPB	Z	.002	.002	0	%100
141	SF4-CPT	Z	.002	.002	0	%100
142	FFBH-4	Z	.005	.005	0	%100
143	FFBH-5	Z	.005	.005	0	%100
144	FFBH-6	Z	.005	.005	0	%100
145	FFTH-4	Z	.005	.005	0	%100
146	FFTH-5	Z	.005	.005	0	%100
147	FFTH-6	Z	.005	.005	0	%100
148	SA-3	Z	.007	.007	0	%100
149	SF3-BH	Z	.001	.001	0	%100
150	SF3-TH	Z	.001	.001	0	%100
151	SF4-BH	Z	.006	.006	0	%100
152	SF4-TH	Z	.006	.006	0	%100
153	MP-5	Z	.008	.008	0	%100
154	MP-6	Z	.008	.008	0	%100
155	MP-7	Z	.008	.008	0	%100
156	MP-8	Z	.008	.008	0	%100
157	RRU-3	Z	.008	.008	0	%100
158	RRU-4	Z	.008	.008	0	%100
159	SA-4	Z	.007	.007	0	%100
160	SF5-D1	Z	.003	.003	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,%]
135	SF3-V2	Z	.002	.002	0	%100
136	SF4-V1	Z	.002	.002	0	%100
137	SF4-V2	Z	.002	.002	0	%100
138	SF3-CPB	Z	.002	.002	0	%100
139	SF3-CPT	Z	.002	.002	0	%100
140	SF4-CPB	Z	.002	.002	0	%100
141	SF4-CPT	Z	.002	.002	0	%100
142	FFBH-4	Z	.002	.002	0	%100
143	FFBH-5	Z	.002	.002	0	%100
144	FFBH-6	Z	.002	.002	0	%100
145	FFTH-4	Z	.002	.002	0	%100
146	FFTH-5	Z	.002	.002	0	%100
147	FFTH-6	Z	.002	.002	0	%100
148	SA-3	Z	.006	.006	0	%100
149	SF3-BH	Z	.002	.002	0	%100
150	SF3-TH	Z	.002	.002	0	%100
151	SF4-BH	Z	.004	.004	0	%100
152	SF4-TH	Z	.004	.004	0	%100
153	MP-5	Z	.007	.007	0	%100
154	MP-6	Z	.007	.007	0	%100
155	MP-7	Z	.007	.007	0	%100
156	MP-8	Z	.007	.007	0	%100
157	RRU-3	Z	.007	.007	0	%100
158	RRU-4	Z	.007	.007	0	%100
159	SA-4	Z	.006	.006	0	%100
160	SF5-D1	Z	.002	.002	0	%100
161	SF5-D1-X	Z	.002	.002	0	%100
162	SF6-D1	Z	.002	.002	0	%100
163	SF6-D1-X	Z	.002	.002	0	%100
164	SF5-V1	Z	.002	.002	0	%100
165	SF5-V2	Z	.002	.002	0	%100
166	SF6-V1	Z	.002	.002	0	%100
167	SF6-V2	Z	.002	.002	0	%100
168	SF5-CPB	Z	.00028	.00028	0	%100
169	SF5-CPT	Z	.00028	.00028	0	%100
170	SF6-CPB	Z	.000632	.000632	0	%100
171	SF6-CPT	Z	.000632	.000632	0	%100
172	FFBH-7	Z	.008	.008	0	%100
173	FFBH-8	Z	.008	.008	0	%100
174	FFBH-9	Z	.008	.008	0	%100
175	FFTH-7	Z	.008	.008	0	%100
176	FFTH-8	Z	.008	.008	0	%100
177	FFTH-9	Z	.008	.008	0	%100
178	SA-5	Z	.002	.002	0	%100
179	SF5-BH	Z	.003	.003	0	%100
180	SF5-TH	Z	.003	.003	0	%100
181	SF6-BH	Z	.004	.004	0	%100
182	SF6-TH	Z	.004	.004	0	%100
183	MP-9	Z	.007	.007	0	%100
184	MP-10	Z	.007	.007	0	%100
185	MP-11	Z	.007	.007	0	%100
186	MP-12	Z	.007	.007	0	%100
187	RRU-5	Z	.007	.007	0	%100
188	RRU-6	Z	.007	.007	0	%100
189	SA-6	Z	.002	.002	0	%100
190	PM-1	Z	.008	.008	0	%100
191	MM-1	Z	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
192	MM-2	Z	.006	.006	0	%100
193	PM-2	Z	.008	.008	0	%100
194	MM-3	Z	.008	.008	0	%100
195	MM-4	Z	.008	.008	0	%100
196	PM-3	Z	.008	.008	0	%100
197	MM-5	Z	.002	.002	0	%100
198	MM-6	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	.002	.002	0	%100
2	SF1-D1-X	X	.002	.002	0	%100
3	SF2-D1	X	.002	.002	0	%100
4	SF2-D1-X	X	.002	.002	0	%100
5	SF1-V1	X	.001	.001	0	%100
6	SF1-V2	X	.001	.001	0	%100
7	SF2-V1	X	.001	.001	0	%100
8	SF2-V2	X	.001	.001	0	%100
9	SF1-CPB	X	.001	.001	0	%100
10	SF1-CPT	X	.001	.001	0	%100
11	SF2-CPB	X	.00098	.00098	0	%100
12	SF2-CPT	X	.00098	.00098	0	%100
13	FFBH-1	X	.003	.003	0	%100
14	FFBH-2	X	.003	.003	0	%100
15	FFBH-3	X	.003	.003	0	%100
16	FFTH-1	X	.003	.003	0	%100
17	FFTH-2	X	.003	.003	0	%100
18	FFTH-3	X	.003	.003	0	%100
19	SA-1	X	.002	.002	0	%100
20	SF1-BH	X	.003	.003	0	%100
21	SF1-TH	X	.003	.003	0	%100
22	SF2-BH	X	.000715	.000715	0	%100
23	SF2-TH	X	.000715	.000715	0	%100
24	MP-1	X	.005	.005	0	%100
25	MP-2	X	.005	.005	0	%100
26	MP-3	X	.005	.005	0	%100
27	MP-4	X	.005	.005	0	%100
28	RRU-1	X	.005	.005	0	%100
29	RRU-2	X	.005	.005	0	%100
30	SA-2	X	.002	.002	0	%100
31	SF3-D1	X	.002	.002	0	%100
32	SF3-D1-X	X	.002	.002	0	%100
33	SF4-D1	X	.002	.002	0	%100
34	SF4-D1-X	X	.002	.002	0	%100
35	SF3-V1	X	.001	.001	0	%100
36	SF3-V2	X	.001	.001	0	%100
37	SF4-V1	X	.001	.001	0	%100
38	SF4-V2	X	.001	.001	0	%100
39	SF3-CPB	X	.001	.001	0	%100
40	SF3-CPT	X	.001	.001	0	%100
41	SF4-CPB	X	.001	.001	0	%100
42	SF4-CPT	X	.001	.001	0	%100
43	FFBH-4	X	.003	.003	0	%100
44	FFBH-5	X	.003	.003	0	%100
45	FFBH-6	X	.003	.003	0	%100
46	FFTH-4	X	.003	.003	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,%]
21	SF1-TH	X	.005	.005	0	%100
22	SF2-BH	X	.000192	.000192	0	%100
23	SF2-TH	X	.000192	.000192	0	%100
24	MP-1	X	.007	.007	0	%100
25	MP-2	X	.007	.007	0	%100
26	MP-3	X	.007	.007	0	%100
27	MP-4	X	.007	.007	0	%100
28	RRU-1	X	.007	.007	0	%100
29	RRU-2	X	.007	.007	0	%100
30	SA-2	X	.003	.003	0	%100
31	SF3-D1	X	.002	.002	0	%100
32	SF3-D1-X	X	.002	.002	0	%100
33	SF4-D1	X	.002	.002	0	%100
34	SF4-D1-X	X	.002	.002	0	%100
35	SF3-V1	X	.002	.002	0	%100
36	SF3-V2	X	.002	.002	0	%100
37	SF4-V1	X	.002	.002	0	%100
38	SF4-V2	X	.002	.002	0	%100
39	SF3-CPB	X	.002	.002	0	%100
40	SF3-CPT	X	.002	.002	0	%100
41	SF4-CPB	X	.002	.002	0	%100
42	SF4-CPT	X	.002	.002	0	%100
43	FFBH-4	X	.002	.002	0	%100
44	FFBH-5	X	.002	.002	0	%100
45	FFBH-6	X	.002	.002	0	%100
46	FFTH-4	X	.002	.002	0	%100
47	FFTH-5	X	.002	.002	0	%100
48	FFTH-6	X	.002	.002	0	%100
49	SA-3	X	.006	.006	0	%100
50	SF3-BH	X	.002	.002	0	%100
51	SF3-TH	X	.002	.002	0	%100
52	SF4-BH	X	.003	.003	0	%100
53	SF4-TH	X	.003	.003	0	%100
54	MP-5	X	.007	.007	0	%100
55	MP-6	X	.007	.007	0	%100
56	MP-7	X	.007	.007	0	%100
57	MP-8	X	.007	.007	0	%100
58	RRU-3	X	.007	.007	0	%100
59	RRU-4	X	.007	.007	0	%100
60	SA-4	X	.006	.006	0	%100
61	SF5-D1	X	.002	.002	0	%100
62	SF5-D1-X	X	.002	.002	0	%100
63	SF6-D1	X	.002	.002	0	%100
64	SF6-D1-X	X	.002	.002	0	%100
65	SF5-V1	X	.002	.002	0	%100
66	SF5-V2	X	.002	.002	0	%100
67	SF6-V1	X	.002	.002	0	%100
68	SF6-V2	X	.002	.002	0	%100
69	SF5-CPB	X	.000295	.000295	0	%100
70	SF5-CPT	X	.000295	.000295	0	%100
71	SF6-CPB	X	.000719	.000719	0	%100
72	SF6-CPT	X	.000719	.000719	0	%100
73	FFBH-7	X	.008	.008	0	%100
74	FFBH-8	X	.008	.008	0	%100
75	FFBH-9	X	.008	.008	0	%100
76	FFTH-7	X	.008	.008	0	%100
77	FFTH-8	X	.008	.008	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,%]
78	FFTH-9	X	.008	.008	0	%100
79	SA-5	X	.002	.002	0	%100
80	SF5-BH	X	.002	.002	0	%100
81	SF5-TH	X	.002	.002	0	%100
82	SF6-BH	X	.004	.004	0	%100
83	SF6-TH	X	.004	.004	0	%100
84	MP-9	X	.007	.007	0	%100
85	MP-10	X	.007	.007	0	%100
86	MP-11	X	.007	.007	0	%100
87	MP-12	X	.007	.007	0	%100
88	RRU-5	X	.007	.007	0	%100
89	RRU-6	X	.007	.007	0	%100
90	SA-6	X	.002	.002	0	%100
91	PM-1	X	.008	.008	0	%100
92	MM-1	X	.006	.006	0	%100
93	MM-2	X	.006	.006	0	%100
94	PM-2	X	.008	.008	0	%100
95	MM-3	X	.008	.008	0	%100
96	MM-4	X	.008	.008	0	%100
97	PM-3	X	.008	.008	0	%100
98	MM-5	X	.002	.002	0	%100
99	MM-6	X	.002	.002	0	%100
100	SF1-D1	Z	.002	.002	0	%100
101	SF1-D1-X	Z	.002	.002	0	%100
102	SF2-D1	Z	.002	.002	0	%100
103	SF2-D1-X	Z	.002	.002	0	%100
104	SF1-V1	Z	.002	.002	0	%100
105	SF1-V2	Z	.002	.002	0	%100
106	SF2-V1	Z	.002	.002	0	%100
107	SF2-V2	Z	.002	.002	0	%100
108	SF1-CPB	Z	.002	.002	0	%100
109	SF1-CPT	Z	.002	.002	0	%100
110	SF2-CPB	Z	.001	.001	0	%100
111	SF2-CPT	Z	.001	.001	0	%100
112	FFBH-1	Z	.003	.003	0	%100
113	FFBH-2	Z	.006	.006	0	%100
114	FFBH-3	Z	.003	.003	0	%100
115	FFTH-1	Z	.003	.003	0	%100
116	FFTH-2	Z	.006	.006	0	%100
117	FFTH-3	Z	.003	.003	0	%100
118	SA-1	Z	.004	.004	0	%100
119	SF1-BH	Z	.005	.005	0	%100
120	SF1-TH	Z	.005	.005	0	%100
121	SF2-BH	Z	.000188	.000188	0	%100
122	SF2-TH	Z	.000188	.000188	0	%100
123	MP-1	Z	.007	.007	0	%100
124	MP-2	Z	.007	.007	0	%100
125	MP-3	Z	.007	.007	0	%100
126	MP-4	Z	.007	.007	0	%100
127	RRU-1	Z	.007	.007	0	%100
128	RRU-2	Z	.007	.007	0	%100
129	SA-2	Z	.004	.004	0	%100
130	SF3-D1	Z	.002	.002	0	%100
131	SF3-D1-X	Z	.002	.002	0	%100
132	SF4-D1	Z	.002	.002	0	%100
133	SF4-D1-X	Z	.002	.002	0	%100
134	SF3-V1	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
109	SF1-CPT	Z	.000843	.000843	0	%100
110	SF2-CPB	Z	.000575	.000575	0	%100
111	SF2-CPT	Z	.000575	.000575	0	%100
112	FFBH-1	Z	.003	.003	0	%100
113	FFBH-2	Z	.005	.005	0	%100
114	FFBH-3	Z	.003	.003	0	%100
115	FFTH-1	Z	.003	.003	0	%100
116	FFTH-2	Z	.005	.005	0	%100
117	FFTH-3	Z	.003	.003	0	%100
118	SA-1	Z	.002	.002	0	%100
119	SF1-BH	Z	.003	.003	0	%100
120	SF1-TH	Z	.003	.003	0	%100
121	SF2-BH	Z	.000959	.000959	0	%100
122	SF2-TH	Z	.000959	.000959	0	%100
123	MP-1	Z	.005	.005	0	%100
124	MP-2	Z	.005	.005	0	%100
125	MP-3	Z	.005	.005	0	%100
126	MP-4	Z	.005	.005	0	%100
127	RRU-1	Z	.005	.005	0	%100
128	RRU-2	Z	.005	.005	0	%100
129	SA-2	Z	.002	.002	0	%100
130	SF3-D1	Z	.002	.002	0	%100
131	SF3-D1-X	Z	.002	.002	0	%100
132	SF4-D1	Z	.002	.002	0	%100
133	SF4-D1-X	Z	.002	.002	0	%100
134	SF3-V1	Z	.001	.001	0	%100
135	SF3-V2	Z	.001	.001	0	%100
136	SF4-V1	Z	.001	.001	0	%100
137	SF4-V2	Z	.001	.001	0	%100
138	SF3-CPB	Z	.001	.001	0	%100
139	SF3-CPT	Z	.001	.001	0	%100
140	SF4-CPB	Z	.001	.001	0	%100
141	SF4-CPT	Z	.001	.001	0	%100
142	FFBH-4	Z	0	0	0	%100
143	FFBH-5	Z	0	0	0	%100
144	FFBH-6	Z	0	0	0	%100
145	FFTH-4	Z	0	0	0	%100
146	FFTH-5	Z	0	0	0	%100
147	FFTH-6	Z	0	0	0	%100
148	SA-3	Z	.004	.004	0	%100
149	SF3-BH	Z	.002	.002	0	%100
150	SF3-TH	Z	.002	.002	0	%100
151	SF4-BH	Z	.002	.002	0	%100
152	SF4-TH	Z	.002	.002	0	%100
153	MP-5	Z	.005	.005	0	%100
154	MP-6	Z	.005	.005	0	%100
155	MP-7	Z	.005	.005	0	%100
156	MP-8	Z	.005	.005	0	%100
157	RRU-3	Z	.005	.005	0	%100
158	RRU-4	Z	.005	.005	0	%100
159	SA-4	Z	.004	.004	0	%100
160	SF5-D1	Z	.002	.002	0	%100
161	SF5-D1-X	Z	.002	.002	0	%100
162	SF6-D1	Z	.002	.002	0	%100
163	SF6-D1-X	Z	.002	.002	0	%100
164	SF5-V1	Z	.001	.001	0	%100
165	SF5-V2	Z	.001	.001	0	%100

RISA A NELIETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
166	SF6-V1	Z	.001	.001	0	%100
167	SF6-V2	Z	.001	.001	0	%100
168	SF5-CPB	Z	.000523	.000523	0	%100
169	SF5-CPT	Z	.000523	.000523	0	%100
170	SF6-CPB	Z	.00073	.00073	0	%100
171	SF6-CPT	Z	.00073	.00073	0	%100
172	FFBH-7	Z	.005	.005	0	%100
173	FFBH-8	Z	.005	.005	0	%100
174	FFBH-9	Z	.005	.005	0	%100
175	FFTH-7	Z	.005	.005	0	%100
176	FFTH-8	Z	.005	.005	0	%100
177	FFTH-9	Z	.005	.005	0	%100
178	SA-5	Z	.002	.002	0	%100
179	SF5-BH	Z	.001	.001	0	%100
180	SF5-TH	Z	.001	.001	0	%100
181	SF6-BH	Z	.003	.003	0	%100
182	SF6-TH	Z	.003	.003	0	%100
183	MP-9	Z	.005	.005	0	%100
184	MP-10	Z	.005	.005	0	%100
185	MP-11	Z	.005	.005	0	%100
186	MP-12	Z	.005	.005	0	%100
187	RRU-5	Z	.005	.005	0	%100
188	RRU-6	Z	.005	.005	0	%100
189	SA-6	Z	.002	.002	0	%100
190	PM-1	Z	.005	.005	0	%100
191	MM-1	Z	.003	.003	0	%100
192	MM-2	Z	.003	.003	0	%100
193	PM-2	Z	.005	.005	0	%100
194	MM-3	Z	.006	.006	0	%100
195	MM-4	Z	.006	.006	0	%100
196	PM-3	Z	.005	.005	0	%100
197	MM-5	Z	.003	.003	0	%100
198	MM-6	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	.002	.002	0	%100
2	SF1-D1-X	X	.002	.002	0	%100
3	SF2-D1	X	.002	.002	0	%100
4	SF2-D1-X	X	.002	.002	0	%100
5	SF1-V1	X	.002	.002	0	%100
6	SF1-V2	X	.002	.002	0	%100
7	SF2-V1	X	.002	.002	0	%100
8	SF2-V2	X	.002	.002	0	%100
9	SF1-CPB	X	.001	.001	0	%100
10	SF1-CPT	X	.001	.001	0	%100
11	SF2-CPB	X	.001	.001	0	%100
12	SF2-CPT	X	.001	.001	0	%100
13	FFBH-1	X	.006	.006	0	%100
14	FFBH-2	X	.006	.006	0	%100
15	FFBH-3	X	.006	.006	0	%100
16	FFTH-1	X	.006	.006	0	%100
17	FFTH-2	X	.006	.006	0	%100
18	FFTH-3	X	.006	.006	0	%100
19	SA-1	X	.003	.003	0	%100
20	SF1-BH	X	.005	.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
98	MM-5	X	.01	.01	0	%100
99	MM-6	X	.01	.01	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	SF1-D1	X	.003	.003	0	%100
2	SF1-D1-X	X	.003	.003	0	%100
3	SF2-D1	X	.003	.003	0	%100
4	SF2-D1-X	X	.003	.003	0	%100
5	SF1-V1	X	.002	.002	0	%100
6	SF1-V2	X	.002	.002	0	%100
7	SF2-V1	X	.002	.002	0	%100
8	SF2-V2	X	.002	.002	0	%100
9	SF1-CPB	X	.001	.001	0	%100
10	SF1-CPT	X	.001	.001	0	%100
11	SF2-CPB	X	.000848	.000848	0	%100
12	SF2-CPT	X	.000848	.000848	0	%100
13	FFBH-1	X	.008	.008	0	%100
14	FFBH-2	X	.008	.008	0	%100
15	FFBH-3	X	.008	.008	0	%100
16	FFTH-1	X	.008	.008	0	%100
17	FFTH-2	X	.008	.008	0	%100
18	FFTH-3	X	.008	.008	0	%100
19	SA-1	X	.002	.002	0	%100
20	SF1-BH	X	.006	.006	0	%100
21	SF1-TH	X	.006	.006	0	%100
22	SF2-BH	X	.002	.002	0	%100
23	SF2-TH	X	.002	.002	0	%100
24	MP-1	X	.008	.008	0	%100
25	MP-2	X	.008	.008	0	%100
26	MP-3	X	.008	.008	0	%100
27	MP-4	X	.008	.008	0	%100
28	RRU-1	X	.008	.008	0	%100
29	RRU-2	X	.008	.008	0	%100
30	SA-2	X	.002	.002	0	%100
31	SF3-D1	X	.003	.003	0	%100
32	SF3-D1-X	X	.003	.003	0	%100
33	SF4-D1	X	.003	.003	0	%100
34	SF4-D1-X	X	.003	.003	0	%100
35	SF3-V1	X	.002	.002	0	%100
36	SF3-V2	X	.002	.002	0	%100
37	SF4-V1	X	.002	.002	0	%100
38	SF4-V2	X	.002	.002	0	%100
39	SF3-CPB	X	.002	.002	0	%100
40	SF3-CPT	X	.002	.002	0	%100
41	SF4-CPB	X	.002	.002	0	%100
42	SF4-CPT	X	.002	.002	0	%100
43	FFBH-4	X	1e-6	1e-6	0	%100
44	FFBH-5	X	0	0	0	%100
45	FFBH-6	X	1e-6	1e-6	0	%100
46	FFTH-4	X	1e-6	1e-6	0	%100
47	FFTH-5	X	0	0	0	%100
48	FFTH-6	X	1e-6	1e-6	0	%100
49	SA-3	X	.008	.008	0	%100
50	SF3-BH	X	.004	.004	0	%100
51	SF3-TH	X	.004	.004	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
52	SF4-BH	X	.003	.003	0	%100
53	SF4-TH	X	.003	.003	0	%100
54	MP-5	X	.008	.008	0	%100
55	MP-6	X	.008	.008	0	%100
56	MP-7	X	.008	.008	0	%100
57	MP-8	X	.008	.008	0	%100
58	RRU-3	X	.008	.008	0	%100
59	RRU-4	X	.008	.008	0	%100
60	SA-4	X	.008	.008	0	%100
61	SF5-D1	X	.003	.003	0	%100
62	SF5-D1-X	X	.003	.003	0	%100
63	SF6-D1	X	.003	.003	0	%100
64	SF6-D1-X	X	.003	.003	0	%100
65	SF5-V1	X	.002	.002	0	%100
66	SF5-V2	X	.002	.002	0	%100
67	SF6-V1	X	.002	.002	0	%100
68	SF6-V2	X	.002	.002	0	%100
69	SF5-CPB	X	.000956	.000956	0	%100
70	SF5-CPT	X	.000956	.000956	0	%100
71	SF6-CPB	X	.001	.001	0	%100
72	SF6-CPT	X	.001	.001	0	%100
73	FFBH-7	X	.008	.008	0	%100
74	FFBH-8	X	.008	.008	0	%100
75	FFBH-9	X	.008	.008	0	%100
76	FFTH-7	X	.008	.008	0	%100
77	FFTH-8	X	.008	.008	0	%100
78	FFTH-9	X	.008	.008	0	%100
79	SA-5	X	.004	.004	0	%100
80	SF5-BH	X	.001	.001	0	%100
81	SF5-TH	X	.001	.001	0	%100
82	SF6-BH	X	.006	.006	0	%100
83	SF6-TH	X	.006	.006	0	%100
84	MP-9	X	.008	.008	0	%100
85	MP-10	X	.008	.008	0	%100
86	MP-11	X	.008	.008	0	%100
87	MP-12	X	.008	.008	0	%100
88	RRU-5	X	.008	.008	0	%100
89	RRU-6	X	.008	.008	0	%100
90	SA-6	X	.004	.004	0	%100
91	PM-1	X	.009	.009	0	%100
92	MM-1	X	.005	.005	0	%100
93	MM-2	X	.005	.005	0	%100
94	PM-2	X	.009	.009	0	%100
95	MM-3	X	.01	.01	0	%100
96	MM-4	X	.01	.01	0	%100
97	PM-3	X	.009	.009	0	%100
98	MM-5	X	.005	.005	0	%100
99	MM-6	X	.005	.005	0	%100
100	SF1-D1	Z	.002	.002	0	%100
101	SF1-D1-X	Z	.002	.002	0	%100
102	SF2-D1	Z	.002	.002	0	%100
103	SF2-D1-X	Z	.002	.002	0	%100
104	SF1-V1	Z	.001	.001	0	%100
105	SF1-V2	Z	.001	.001	0	%100
106	SF2-V1	Z	.001	.001	0	%100
107	SF2-V2	Z	.001	.001	0	%100
108	SF1-CPB	Z	.000843	.000843	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,%]
186	MP-12	Z	-.005	-.005	0	%100
187	RRU-5	Z	-.005	-.005	0	%100
188	RRU-6	Z	-.005	-.005	0	%100
189	SA-6	Z	-.004	-.004	0	%100
190	PM-1	Z	-.005	-.005	0	%100
191	MM-1	Z	-.003	-.003	0	%100
192	MM-2	Z	-.003	-.003	0	%100
193	PM-2	Z	-.005	-.005	0	%100
194	MM-3	Z	-.003	-.003	0	%100
195	MM-4	Z	-.003	-.003	0	%100
196	PM-3	Z	-.005	-.005	0	%100
197	MM-5	Z	-.006	-.006	0	%100
198	MM-6	Z	-.006	-.006	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	SF1-D1	X	.003	.003	0	%100
2	SF1-D1-X	X	.003	.003	0	%100
3	SF2-D1	X	.003	.003	0	%100
4	SF2-D1-X	X	.003	.003	0	%100
5	SF1-V1	X	.002	.002	0	%100
6	SF1-V2	X	.002	.002	0	%100
7	SF2-V1	X	.002	.002	0	%100
8	SF2-V2	X	.002	.002	0	%100
9	SF1-CPB	X	.000263	.000263	0	%100
10	SF1-CPT	X	.000263	.000263	0	%100
11	SF2-CPB	X	.000263	.000263	0	%100
12	SF2-CPT	X	.000263	.000263	0	%100
13	FFBH-1	X	.011	.011	0	%100
14	FFBH-2	X	.011	.011	0	%100
15	FFBH-3	X	.011	.011	0	%100
16	FFTH-1	X	.011	.011	0	%100
17	FFTH-2	X	.011	.011	0	%100
18	FFTH-3	X	.011	.011	0	%100
19	SA-1	X	.000324	.000324	0	%100
20	SF1-BH	X	.005	.005	0	%100
21	SF1-TH	X	.005	.005	0	%100
22	SF2-BH	X	.005	.005	0	%100
23	SF2-TH	X	.005	.005	0	%100
24	MP-1	X	.009	.009	0	%100
25	MP-2	X	.009	.009	0	%100
26	MP-3	X	.009	.009	0	%100
27	MP-4	X	.009	.009	0	%100
28	RRU-1	X	.009	.009	0	%100
29	RRU-2	X	.009	.009	0	%100
30	SA-2	X	.000324	.000324	0	%100
31	SF3-D1	X	.003	.003	0	%100
32	SF3-D1-X	X	.003	.003	0	%100
33	SF4-D1	X	.003	.003	0	%100
34	SF4-D1-X	X	.003	.003	0	%100
35	SF3-V1	X	.002	.002	0	%100
36	SF3-V2	X	.002	.002	0	%100
37	SF4-V1	X	.002	.002	0	%100
38	SF4-V2	X	.002	.002	0	%100
39	SF3-CPB	X	.003	.003	0	%100
40	SF3-CPT	X	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
41	SF4-CPB	X	.002	.002	0	%100
42	SF4-CPT	X	.002	.002	0	%100
43	FFBH-4	X	.006	.006	0	%100
44	FFBH-5	X	.006	.006	0	%100
45	FFBH-6	X	.006	.006	0	%100
46	FFTH-4	X	.006	.006	0	%100
47	FFTH-5	X	.006	.006	0	%100
48	FFTH-6	X	.006	.006	0	%100
49	SA-3	X	.008	.008	0	%100
50	SF3-BH	X	.007	.007	0	%100
51	SF3-TH	X	.007	.007	0	%100
52	SF4-BH	X	.001	.001	0	%100
53	SF4-TH	X	.001	.001	0	%100
54	MP-5	X	.009	.009	0	%100
55	MP-6	X	.009	.009	0	%100
56	MP-7	X	.009	.009	0	%100
57	MP-8	X	.009	.009	0	%100
58	RRU-3	X	.009	.009	0	%100
59	RRU-4	X	.009	.009	0	%100
60	SA-4	X	.008	.008	0	%100
61	SF5-D1	X	.003	.003	0	%100
62	SF5-D1-X	X	.003	.003	0	%100
63	SF6-D1	X	.003	.003	0	%100
64	SF6-D1-X	X	.003	.003	0	%100
65	SF5-V1	X	.002	.002	0	%100
66	SF5-V2	X	.002	.002	0	%100
67	SF6-V1	X	.002	.002	0	%100
68	SF6-V2	X	.002	.002	0	%100
69	SF5-CPB	X	.002	.002	0	%100
70	SF5-CPT	X	.002	.002	0	%100
71	SF6-CPB	X	.003	.003	0	%100
72	SF6-CPT	X	.003	.003	0	%100
73	FFBH-7	X	.006	.006	0	%100
74	FFBH-8	X	.006	.006	0	%100
75	FFBH-9	X	.006	.006	0	%100
76	FFTH-7	X	.006	.006	0	%100
77	FFTH-8	X	.006	.006	0	%100
78	FFTH-9	X	.006	.006	0	%100
79	SA-5	X	.008	.008	0	%100
80	SF5-BH	X	.001	.001	0	%100
81	SF5-TH	X	.001	.001	0	%100
82	SF6-BH	X	.007	.007	0	%100
83	SF6-TH	X	.007	.007	0	%100
84	MP-9	X	.009	.009	0	%100
85	MP-10	X	.009	.009	0	%100
86	MP-11	X	.009	.009	0	%100
87	MP-12	X	.009	.009	0	%100
88	RRU-5	X	.009	.009	0	%100
89	RRU-6	X	.009	.009	0	%100
90	SA-6	X	.008	.008	0	%100
91	PM-1	X	.011	.011	0	%100
92	MM-1	X	0	0	0	%100
93	MM-2	X	0	0	0	%100
94	PM-2	X	.011	.011	0	%100
95	MM-3	X	.01	.01	0	%100
96	MM-4	X	.01	.01	0	%100
97	PM-3	X	.011	.011	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,%]
72	SF6-CPT	X	.002	.002	0	%100
73	FFBH-7	X	1e-6	1e-6	0	%100
74	FFBH-8	X	0	0	0	%100
75	FFBH-9	X	1e-6	1e-6	0	%100
76	FFTH-7	X	1e-6	1e-6	0	%100
77	FFTH-8	X	0	0	0	%100
78	FFTH-9	X	1e-6	1e-6	0	%100
79	SA-5	X	.008	.008	0	%100
80	SF5-BH	X	.003	.003	0	%100
81	SF5-TH	X	.003	.003	0	%100
82	SF6-BH	X	.004	.004	0	%100
83	SF6-TH	X	.004	.004	0	%100
84	MP-9	X	.008	.008	0	%100
85	MP-10	X	.008	.008	0	%100
86	MP-11	X	.008	.008	0	%100
87	MP-12	X	.008	.008	0	%100
88	RRU-5	X	.008	.008	0	%100
89	RRU-6	X	.008	.008	0	%100
90	SA-6	X	.008	.008	0	%100
91	PM-1	X	.009	.009	0	%100
92	MM-1	X	.005	.005	0	%100
93	MM-2	X	.005	.005	0	%100
94	PM-2	X	.009	.009	0	%100
95	MM-3	X	.005	.005	0	%100
96	MM-4	X	.005	.005	0	%100
97	PM-3	X	.009	.009	0	%100
98	MM-5	X	.01	.01	0	%100
99	MM-6	X	.01	.01	0	%100
100	SF1-D1	Z	-.002	-.002	0	%100
101	SF1-D1-X	Z	-.002	-.002	0	%100
102	SF2-D1	Z	-.002	-.002	0	%100
103	SF2-D1-X	Z	-.002	-.002	0	%100
104	SF1-V1	Z	-.001	-.001	0	%100
105	SF1-V2	Z	-.001	-.001	0	%100
106	SF2-V1	Z	-.001	-.001	0	%100
107	SF2-V2	Z	-.001	-.001	0	%100
108	SF1-CPB	Z	-.000575	-.000575	0	%100
109	SF1-CPT	Z	-.000575	-.000575	0	%100
110	SF2-CPB	Z	-.000843	-.000843	0	%100
111	SF2-CPT	Z	-.000843	-.000843	0	%100
112	FFBH-1	Z	-.003	-.003	0	%100
113	FFBH-2	Z	-.005	-.005	0	%100
114	FFBH-3	Z	-.003	-.003	0	%100
115	FFTH-1	Z	-.003	-.003	0	%100
116	FFTH-2	Z	-.005	-.005	0	%100
117	FFTH-3	Z	-.003	-.003	0	%100
118	SA-1	Z	-.003	-.003	0	%100
119	SF1-BH	Z	-.000959	-.000959	0	%100
120	SF1-TH	Z	-.000959	-.000959	0	%100
121	SF2-BH	Z	-.003	-.003	0	%100
122	SF2-TH	Z	-.003	-.003	0	%100
123	MP-1	Z	-.005	-.005	0	%100
124	MP-2	Z	-.005	-.005	0	%100
125	MP-3	Z	-.005	-.005	0	%100
126	MP-4	Z	-.005	-.005	0	%100
127	RRU-1	Z	-.005	-.005	0	%100
128	RRU-2	Z	-.005	-.005	0	%100

Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)

Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
129	SA-2	Z	-.003	-.003	0	%100
130	SF3-D1	Z	-.002	-.002	0	%100
131	SF3-D1-X	Z	-.002	-.002	0	%100
132	SF4-D1	Z	-.002	-.002	0	%100
133	SF4-D1-X	Z	-.002	-.002	0	%100
134	SF3-V1	Z	-.001	-.001	0	%100
135	SF3-V2	Z	-.001	-.001	0	%100
136	SF4-V1	Z	-.001	-.001	0	%100
137	SF4-V2	Z	-.001	-.001	0	%100
138	SF3-CPB	Z	-.00073	-.00073	0	%100
139	SF3-CPT	Z	-.00073	-.00073	0	%100
140	SF4-CPB	Z	-.000523	-.000523	0	%100
141	SF4-CPT	Z	-.000523	-.000523	0	%100
142	FFBH-4	Z	-.005	-.005	0	%100
143	FFBH-5	Z	-.005	-.005	0	%100
144	FFBH-6	Z	-.005	-.005	0	%100
145	FFTH-4	Z	-.005	-.005	0	%100
146	FFTH-5	Z	-.005	-.005	0	%100
147	FFTH-6	Z	-.005	-.005	0	%100
148	SA-3	Z	-.002	-.002	0	%100
149	SF3-BH	Z	-.003	-.003	0	%100
150	SF3-TH	Z	-.003	-.003	0	%100
151	SF4-BH	Z	-.001	-.001	0	%100
152	SF4-TH	Z	-.001	-.001	0	%100
153	MP-5	Z	-.005	-.005	0	%100
154	MP-6	Z	-.005	-.005	0	%100
155	MP-7	Z	-.005	-.005	0	%100
156	MP-8	Z	-.005	-.005	0	%100
157	RRU-3	Z	-.005	-.005	0	%100
158	RRU-4	Z	-.005	-.005	0	%100
159	SA-4	Z	-.002	-.002	0	%100
160	SF5-D1	Z	-.002	-.002	0	%100
161	SF5-D1-X	Z	-.002	-.002	0	%100
162	SF6-D1	Z	-.002	-.002	0	%100
163	SF6-D1-X	Z	-.002	-.002	0	%100
164	SF5-V1	Z	-.001	-.001	0	%100
165	SF5-V2	Z	-.001	-.001	0	%100
166	SF6-V1	Z	-.001	-.001	0	%100
167	SF6-V2	Z	-.001	-.001	0	%100
168	SF5-CPB	Z	-.001	-.001	0	%100
169	SF5-CPT	Z	-.001	-.001	0	%100
170	SF6-CPB	Z	-.001	-.001	0	%100
171	SF6-CPT	Z	-.001	-.001	0	%100
172	FFBH-7	Z	0	0	0	%100
173	FFBH-8	Z	0	0	0	%100
174	FFBH-9	Z	0	0	0	%100
175	FFTH-7	Z	0	0	0	%100
176	FFTH-8	Z	0	0	0	%100
177	FFTH-9	Z	0	0	0	%100
178	SA-5	Z	-.004	-.004	0	%100
179	SF5-BH	Z	-.002	-.002	0	%100
180	SF5-TH	Z	-.002	-.002	0	%100
181	SF6-BH	Z	-.002	-.002	0	%100
182	SF6-TH	Z	-.002	-.002	0	%100
183	MP-9	Z	-.005	-.005	0	%100
184	MP-10	Z	-.005	-.005	0	%100
185	MP-11	Z	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
160	SF5-D1	Z	-.002	-.002	0	%100
161	SF5-D1-X	Z	-.002	-.002	0	%100
162	SF6-D1	Z	-.002	-.002	0	%100
163	SF6-D1-X	Z	-.002	-.002	0	%100
164	SF5-V1	Z	-.002	-.002	0	%100
165	SF5-V2	Z	-.002	-.002	0	%100
166	SF6-V1	Z	-.002	-.002	0	%100
167	SF6-V2	Z	-.002	-.002	0	%100
168	SF5-CPB	Z	-.002	-.002	0	%100
169	SF5-CPT	Z	-.002	-.002	0	%100
170	SF6-CPB	Z	-.002	-.002	0	%100
171	SF6-CPT	Z	-.002	-.002	0	%100
172	FFBH-7	Z	-.002	-.002	0	%100
173	FFBH-8	Z	-.002	-.002	0	%100
174	FFBH-9	Z	-.002	-.002	0	%100
175	FFTH-7	Z	-.002	-.002	0	%100
176	FFTH-8	Z	-.002	-.002	0	%100
177	FFTH-9	Z	-.002	-.002	0	%100
178	SA-5	Z	-.005	-.005	0	%100
179	SF5-BH	Z	-.004	-.004	0	%100
180	SF5-TH	Z	-.004	-.004	0	%100
181	SF6-BH	Z	-.002	-.002	0	%100
182	SF6-TH	Z	-.002	-.002	0	%100
183	MP-9	Z	-.007	-.007	0	%100
184	MP-10	Z	-.007	-.007	0	%100
185	MP-11	Z	-.007	-.007	0	%100
186	MP-12	Z	-.007	-.007	0	%100
187	RRU-5	Z	-.007	-.007	0	%100
188	RRU-6	Z	-.007	-.007	0	%100
189	SA-6	Z	-.005	-.005	0	%100
190	PM-1	Z	-.008	-.008	0	%100
191	MM-1	Z	-.006	-.006	0	%100
192	MM-2	Z	-.006	-.006	0	%100
193	PM-2	Z	-.008	-.008	0	%100
194	MM-3	Z	-.002	-.002	0	%100
195	MM-4	Z	-.002	-.002	0	%100
196	PM-3	Z	-.008	-.008	0	%100
197	MM-5	Z	-.008	-.008	0	%100
198	MM-6	Z	-.008	-.008	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	SF1-D1	X	.003	.003	0	%100
2	SF1-D1-X	X	.003	.003	0	%100
3	SF2-D1	X	.003	.003	0	%100
4	SF2-D1-X	X	.003	.003	0	%100
5	SF1-V1	X	.002	.002	0	%100
6	SF1-V2	X	.002	.002	0	%100
7	SF2-V1	X	.002	.002	0	%100
8	SF2-V2	X	.002	.002	0	%100
9	SF1-CPB	X	.000848	.000848	0	%100
10	SF1-CPT	X	.000848	.000848	0	%100
11	SF2-CPB	X	.001	.001	0	%100
12	SF2-CPT	X	.001	.001	0	%100
13	FFBH-1	X	.008	.008	0	%100
14	FFBH-2	X	.008	.008	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
15	FFBH-3	X	.008	.008	0	%100
16	FFTH-1	X	.008	.008	0	%100
17	FFTH-2	X	.008	.008	0	%100
18	FFTH-3	X	.008	.008	0	%100
19	SA-1	X	.003	.003	0	%100
20	SF1-BH	X	.002	.002	0	%100
21	SF1-TH	X	.002	.002	0	%100
22	SF2-BH	X	.006	.006	0	%100
23	SF2-TH	X	.006	.006	0	%100
24	MP-1	X	.008	.008	0	%100
25	MP-2	X	.008	.008	0	%100
26	MP-3	X	.008	.008	0	%100
27	MP-4	X	.008	.008	0	%100
28	RRU-1	X	.008	.008	0	%100
29	RRU-2	X	.008	.008	0	%100
30	SA-2	X	.003	.003	0	%100
31	SF3-D1	X	.003	.003	0	%100
32	SF3-D1-X	X	.003	.003	0	%100
33	SF4-D1	X	.003	.003	0	%100
34	SF4-D1-X	X	.003	.003	0	%100
35	SF3-V1	X	.002	.002	0	%100
36	SF3-V2	X	.002	.002	0	%100
37	SF4-V1	X	.002	.002	0	%100
38	SF4-V2	X	.002	.002	0	%100
39	SF3-CPB	X	.001	.001	0	%100
40	SF3-CPT	X	.001	.001	0	%100
41	SF4-CPB	X	.000956	.000956	0	%100
42	SF4-CPT	X	.000956	.000956	0	%100
43	FFBH-4	X	.008	.008	0	%100
44	FFBH-5	X	.008	.008	0	%100
45	FFBH-6	X	.008	.008	0	%100
46	FFTH-4	X	.008	.008	0	%100
47	FFTH-5	X	.008	.008	0	%100
48	FFTH-6	X	.008	.008	0	%100
49	SA-3	X	.004	.004	0	%100
50	SF3-BH	X	.006	.006	0	%100
51	SF3-TH	X	.006	.006	0	%100
52	SF4-BH	X	.001	.001	0	%100
53	SF4-TH	X	.001	.001	0	%100
54	MP-5	X	.008	.008	0	%100
55	MP-6	X	.008	.008	0	%100
56	MP-7	X	.008	.008	0	%100
57	MP-8	X	.008	.008	0	%100
58	RRU-3	X	.008	.008	0	%100
59	RRU-4	X	.008	.008	0	%100
60	SA-4	X	.004	.004	0	%100
61	SF5-D1	X	.003	.003	0	%100
62	SF5-D1-X	X	.003	.003	0	%100
63	SF6-D1	X	.003	.003	0	%100
64	SF6-D1-X	X	.003	.003	0	%100
65	SF5-V1	X	.002	.002	0	%100
66	SF5-V2	X	.002	.002	0	%100
67	SF6-V1	X	.002	.002	0	%100
68	SF6-V2	X	.002	.002	0	%100
69	SF5-CPB	X	.002	.002	0	%100
70	SF5-CPT	X	.002	.002	0	%100
71	SF6-CPB	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
46	FFTH-4	X	.008	.008	0	%100
47	FFTH-5	X	.008	.008	0	%100
48	FFTH-6	X	.008	.008	0	%100
49	SA-3	X	.001	.001	0	%100
50	SF3-BH	X	.004	.004	0	%100
51	SF3-TH	X	.004	.004	0	%100
52	SF4-BH	X	.002	.002	0	%100
53	SF4-TH	X	.002	.002	0	%100
54	MP-5	X	.007	.007	0	%100
55	MP-6	X	.007	.007	0	%100
56	MP-7	X	.007	.007	0	%100
57	MP-8	X	.007	.007	0	%100
58	RRU-3	X	.007	.007	0	%100
59	RRU-4	X	.007	.007	0	%100
60	SA-4	X	.001	.001	0	%100
61	SF5-D1	X	.002	.002	0	%100
62	SF5-D1-X	X	.002	.002	0	%100
63	SF6-D1	X	.002	.002	0	%100
64	SF6-D1-X	X	.002	.002	0	%100
65	SF5-V1	X	.002	.002	0	%100
66	SF5-V2	X	.002	.002	0	%100
67	SF6-V1	X	.002	.002	0	%100
68	SF6-V2	X	.002	.002	0	%100
69	SF5-CPB	X	.002	.002	0	%100
70	SF5-CPT	X	.002	.002	0	%100
71	SF6-CPB	X	.002	.002	0	%100
72	SF6-CPT	X	.002	.002	0	%100
73	FFBH-7	X	.002	.002	0	%100
74	FFBH-8	X	.002	.002	0	%100
75	FFBH-9	X	.002	.002	0	%100
76	FFTH-7	X	.002	.002	0	%100
77	FFTH-8	X	.002	.002	0	%100
78	FFTH-9	X	.002	.002	0	%100
79	SA-5	X	.006	.006	0	%100
80	SF5-BH	X	.003	.003	0	%100
81	SF5-TH	X	.003	.003	0	%100
82	SF6-BH	X	.002	.002	0	%100
83	SF6-TH	X	.002	.002	0	%100
84	MP-9	X	.007	.007	0	%100
85	MP-10	X	.007	.007	0	%100
86	MP-11	X	.007	.007	0	%100
87	MP-12	X	.007	.007	0	%100
88	RRU-5	X	.007	.007	0	%100
89	RRU-6	X	.007	.007	0	%100
90	SA-6	X	.006	.006	0	%100
91	PM-1	X	.008	.008	0	%100
92	MM-1	X	.006	.006	0	%100
93	MM-2	X	.006	.006	0	%100
94	PM-2	X	.008	.008	0	%100
95	MM-3	X	.002	.002	0	%100
96	MM-4	X	.002	.002	0	%100
97	PM-3	X	.008	.008	0	%100
98	MM-5	X	.008	.008	0	%100
99	MM-6	X	.008	.008	0	%100
100	SF1-D1	Z	-.002	-.002	0	%100
101	SF1-D1-X	Z	-.002	-.002	0	%100
102	SF2-D1	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
103	SF2-D1-X	Z	-.002	-.002	0	%100
104	SF1-V1	Z	-.002	-.002	0	%100
105	SF1-V2	Z	-.002	-.002	0	%100
106	SF2-V1	Z	-.002	-.002	0	%100
107	SF2-V2	Z	-.002	-.002	0	%100
108	SF1-CPB	Z	-.001	-.001	0	%100
109	SF1-CPT	Z	-.001	-.001	0	%100
110	SF2-CPB	Z	-.002	-.002	0	%100
111	SF2-CPT	Z	-.002	-.002	0	%100
112	FFBH-1	Z	-.003	-.003	0	%100
113	FFBH-2	Z	-.006	-.006	0	%100
114	FFBH-3	Z	-.003	-.003	0	%100
115	FFTH-1	Z	-.003	-.003	0	%100
116	FFTH-2	Z	-.006	-.006	0	%100
117	FFTH-3	Z	-.003	-.003	0	%100
118	SA-1	Z	-.005	-.005	0	%100
119	SF1-BH	Z	-.000188	-.000188	0	%100
120	SF1-TH	Z	-.000188	-.000188	0	%100
121	SF2-BH	Z	-.005	-.005	0	%100
122	SF2-TH	Z	-.005	-.005	0	%100
123	MP-1	Z	-.007	-.007	0	%100
124	MP-2	Z	-.007	-.007	0	%100
125	MP-3	Z	-.007	-.007	0	%100
126	MP-4	Z	-.007	-.007	0	%100
127	RRU-1	Z	-.007	-.007	0	%100
128	RRU-2	Z	-.007	-.007	0	%100
129	SA-2	Z	-.005	-.005	0	%100
130	SF3-D1	Z	-.002	-.002	0	%100
131	SF3-D1-X	Z	-.002	-.002	0	%100
132	SF4-D1	Z	-.002	-.002	0	%100
133	SF4-D1-X	Z	-.002	-.002	0	%100
134	SF3-V1	Z	-.002	-.002	0	%100
135	SF3-V2	Z	-.002	-.002	0	%100
136	SF4-V1	Z	-.002	-.002	0	%100
137	SF4-V2	Z	-.002	-.002	0	%100
138	SF3-CPB	Z	-.000632	-.000632	0	%100
139	SF3-CPT	Z	-.000632	-.000632	0	%100
140	SF4-CPB	Z	-.00028	-.00028	0	%100
141	SF4-CPT	Z	-.00028	-.00028	0	%100
142	FFBH-4	Z	-.008	-.008	0	%100
143	FFBH-5	Z	-.008	-.008	0	%100
144	FFBH-6	Z	-.008	-.008	0	%100
145	FFTH-4	Z	-.008	-.008	0	%100
146	FFTH-5	Z	-.008	-.008	0	%100
147	FFTH-6	Z	-.008	-.008	0	%100
148	SA-3	Z	-.001	-.001	0	%100
149	SF3-BH	Z	-.004	-.004	0	%100
150	SF3-TH	Z	-.004	-.004	0	%100
151	SF4-BH	Z	-.003	-.003	0	%100
152	SF4-TH	Z	-.003	-.003	0	%100
153	MP-5	Z	-.007	-.007	0	%100
154	MP-6	Z	-.007	-.007	0	%100
155	MP-7	Z	-.007	-.007	0	%100
156	MP-8	Z	-.007	-.007	0	%100
157	RRU-3	Z	-.007	-.007	0	%100
158	RRU-4	Z	-.007	-.007	0	%100
159	SA-4	Z	-.001	-.001	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,%]
134	SF3-V1	Z	-.002	-.002	0	%100
135	SF3-V2	Z	-.002	-.002	0	%100
136	SF4-V1	Z	-.002	-.002	0	%100
137	SF4-V2	Z	-.002	-.002	0	%100
138	SF3-CPB	Z	-.000232	-.000232	0	%100
139	SF3-CPT	Z	-.000232	-.000232	0	%100
140	SF4-CPB	Z	-.000244	-.000244	0	%100
141	SF4-CPT	Z	-.000244	-.000244	0	%100
142	FFBH-4	Z	-.01	-.01	0	%100
143	FFBH-5	Z	-.01	-.01	0	%100
144	FFBH-6	Z	-.01	-.01	0	%100
145	FFTH-4	Z	-.01	-.01	0	%100
146	FFTH-5	Z	-.01	-.01	0	%100
147	FFTH-6	Z	-.01	-.01	0	%100
148	SA-3	Z	-.000442	-.000442	0	%100
149	SF3-BH	Z	-.004	-.004	0	%100
150	SF3-TH	Z	-.004	-.004	0	%100
151	SF4-BH	Z	-.005	-.005	0	%100
152	SF4-TH	Z	-.005	-.005	0	%100
153	MP-5	Z	-.008	-.008	0	%100
154	MP-6	Z	-.008	-.008	0	%100
155	MP-7	Z	-.008	-.008	0	%100
156	MP-8	Z	-.008	-.008	0	%100
157	RRU-3	Z	-.008	-.008	0	%100
158	RRU-4	Z	-.008	-.008	0	%100
159	SA-4	Z	-.000442	-.000442	0	%100
160	SF5-D1	Z	-.003	-.003	0	%100
161	SF5-D1-X	Z	-.003	-.003	0	%100
162	SF6-D1	Z	-.003	-.003	0	%100
163	SF6-D1-X	Z	-.003	-.003	0	%100
164	SF5-V1	Z	-.002	-.002	0	%100
165	SF5-V2	Z	-.002	-.002	0	%100
166	SF6-V1	Z	-.002	-.002	0	%100
167	SF6-V2	Z	-.002	-.002	0	%100
168	SF5-CPB	Z	-.002	-.002	0	%100
169	SF5-CPT	Z	-.002	-.002	0	%100
170	SF6-CPB	Z	-.002	-.002	0	%100
171	SF6-CPT	Z	-.002	-.002	0	%100
172	FFBH-7	Z	-.005	-.005	0	%100
173	FFBH-8	Z	-.005	-.005	0	%100
174	FFBH-9	Z	-.005	-.005	0	%100
175	FFTH-7	Z	-.005	-.005	0	%100
176	FFTH-8	Z	-.005	-.005	0	%100
177	FFTH-9	Z	-.005	-.005	0	%100
178	SA-5	Z	-.006	-.006	0	%100
179	SF5-BH	Z	-.006	-.006	0	%100
180	SF5-TH	Z	-.006	-.006	0	%100
181	SF6-BH	Z	-.001	-.001	0	%100
182	SF6-TH	Z	-.001	-.001	0	%100
183	MP-9	Z	-.008	-.008	0	%100
184	MP-10	Z	-.008	-.008	0	%100
185	MP-11	Z	-.008	-.008	0	%100
186	MP-12	Z	-.008	-.008	0	%100
187	RRU-5	Z	-.008	-.008	0	%100
188	RRU-6	Z	-.008	-.008	0	%100
189	SA-6	Z	-.006	-.006	0	%100
190	PM-1	Z	-.009	-.009	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,%]
191	MM-1	Z	-.009	-.009	0	%100
192	MM-2	Z	-.009	-.009	0	%100
193	PM-2	Z	-.009	-.009	0	%100
194	MM-3	Z	0	0	0	%100
195	MM-4	Z	0	0	0	%100
196	PM-3	Z	-.009	-.009	0	%100
197	MM-5	Z	-.009	-.009	0	%100
198	MM-6	Z	-.009	-.009	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	.002	.002	0	%100
2	SF1-D1-X	X	.002	.002	0	%100
3	SF2-D1	X	.002	.002	0	%100
4	SF2-D1-X	X	.002	.002	0	%100
5	SF1-V1	X	.002	.002	0	%100
6	SF1-V2	X	.002	.002	0	%100
7	SF2-V1	X	.002	.002	0	%100
8	SF2-V2	X	.002	.002	0	%100
9	SF1-CPB	X	.001	.001	0	%100
10	SF1-CPT	X	.001	.001	0	%100
11	SF2-CPB	X	.001	.001	0	%100
12	SF2-CPT	X	.001	.001	0	%100
13	FFBH-1	X	.006	.006	0	%100
14	FFBH-2	X	.006	.006	0	%100
15	FFBH-3	X	.006	.006	0	%100
16	FFTH-1	X	.006	.006	0	%100
17	FFTH-2	X	.006	.006	0	%100
18	FFTH-3	X	.006	.006	0	%100
19	SA-1	X	.003	.003	0	%100
20	SF1-BH	X	.000192	.000192	0	%100
21	SF1-TH	X	.000192	.000192	0	%100
22	SF2-BH	X	.005	.005	0	%100
23	SF2-TH	X	.005	.005	0	%100
24	MP-1	X	.007	.007	0	%100
25	MP-2	X	.007	.007	0	%100
26	MP-3	X	.007	.007	0	%100
27	MP-4	X	.007	.007	0	%100
28	RRU-1	X	.007	.007	0	%100
29	RRU-2	X	.007	.007	0	%100
30	SA-2	X	.003	.003	0	%100
31	SF3-D1	X	.002	.002	0	%100
32	SF3-D1-X	X	.002	.002	0	%100
33	SF4-D1	X	.002	.002	0	%100
34	SF4-D1-X	X	.002	.002	0	%100
35	SF3-V1	X	.002	.002	0	%100
36	SF3-V2	X	.002	.002	0	%100
37	SF4-V1	X	.002	.002	0	%100
38	SF4-V2	X	.002	.002	0	%100
39	SF3-CPB	X	.000719	.000719	0	%100
40	SF3-CPT	X	.000719	.000719	0	%100
41	SF4-CPB	X	.000295	.000295	0	%100
42	SF4-CPT	X	.000295	.000295	0	%100
43	FFBH-4	X	.008	.008	0	%100
44	FFBH-5	X	.008	.008	0	%100
45	FFBH-6	X	.008	.008	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,%]
20	SF1-BH	X	.000715	.000715	0	%100
21	SF1-TH	X	.000715	.000715	0	%100
22	SF2-BH	X	.003	.003	0	%100
23	SF2-TH	X	.003	.003	0	%100
24	MP-1	X	.005	.005	0	%100
25	MP-2	X	.005	.005	0	%100
26	MP-3	X	.005	.005	0	%100
27	MP-4	X	.005	.005	0	%100
28	RRU-1	X	.005	.005	0	%100
29	RRU-2	X	.005	.005	0	%100
30	SA-2	X	.002	.002	0	%100
31	SF3-D1	X	.002	.002	0	%100
32	SF3-D1-X	X	.002	.002	0	%100
33	SF4-D1	X	.002	.002	0	%100
34	SF4-D1-X	X	.002	.002	0	%100
35	SF3-V1	X	.001	.001	0	%100
36	SF3-V2	X	.001	.001	0	%100
37	SF4-V1	X	.001	.001	0	%100
38	SF4-V2	X	.001	.001	0	%100
39	SF3-CPB	X	.000152	.000152	0	%100
40	SF3-CPT	X	.000152	.000152	0	%100
41	SF4-CPB	X	.000148	.000148	0	%100
42	SF4-CPT	X	.000148	.000148	0	%100
43	FFBH-4	X	.006	.006	0	%100
44	FFBH-5	X	.006	.006	0	%100
45	FFBH-6	X	.006	.006	0	%100
46	FFTH-4	X	.006	.006	0	%100
47	FFTH-5	X	.006	.006	0	%100
48	FFTH-6	X	.006	.006	0	%100
49	SA-3	X	.000278	.000278	0	%100
50	SF3-BH	X	.003	.003	0	%100
51	SF3-TH	X	.003	.003	0	%100
52	SF4-BH	X	.002	.002	0	%100
53	SF4-TH	X	.002	.002	0	%100
54	MP-5	X	.005	.005	0	%100
55	MP-6	X	.005	.005	0	%100
56	MP-7	X	.005	.005	0	%100
57	MP-8	X	.005	.005	0	%100
58	RRU-3	X	.005	.005	0	%100
59	RRU-4	X	.005	.005	0	%100
60	SA-4	X	.000278	.000278	0	%100
61	SF5-D1	X	.002	.002	0	%100
62	SF5-D1-X	X	.002	.002	0	%100
63	SF6-D1	X	.002	.002	0	%100
64	SF6-D1-X	X	.002	.002	0	%100
65	SF5-V1	X	.001	.001	0	%100
66	SF5-V2	X	.001	.001	0	%100
67	SF6-V1	X	.001	.001	0	%100
68	SF6-V2	X	.001	.001	0	%100
69	SF5-CPB	X	.001	.001	0	%100
70	SF5-CPT	X	.001	.001	0	%100
71	SF6-CPB	X	.001	.001	0	%100
72	SF6-CPT	X	.001	.001	0	%100
73	FFBH-7	X	.003	.003	0	%100
74	FFBH-8	X	.003	.003	0	%100
75	FFBH-9	X	.003	.003	0	%100
76	FFTH-7	X	.003	.003	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
77	FFTH-8	X	.003	.003	0	%100
78	FFTH-9	X	.003	.003	0	%100
79	SA-5	X	.004	.004	0	%100
80	SF5-BH	X	.003	.003	0	%100
81	SF5-TH	X	.003	.003	0	%100
82	SF6-BH	X	.000767	.000767	0	%100
83	SF6-TH	X	.000767	.000767	0	%100
84	MP-9	X	.005	.005	0	%100
85	MP-10	X	.005	.005	0	%100
86	MP-11	X	.005	.005	0	%100
87	MP-12	X	.005	.005	0	%100
88	RRU-5	X	.005	.005	0	%100
89	RRU-6	X	.005	.005	0	%100
90	SA-6	X	.004	.004	0	%100
91	PM-1	X	.005	.005	0	%100
92	MM-1	X	.005	.005	0	%100
93	MM-2	X	.005	.005	0	%100
94	PM-2	X	.005	.005	0	%100
95	MM-3	X	0	0	0	%100
96	MM-4	X	0	0	0	%100
97	PM-3	X	.005	.005	0	%100
98	MM-5	X	.005	.005	0	%100
99	MM-6	X	.005	.005	0	%100
100	SF1-D1	Z	-.003	-.003	0	%100
101	SF1-D1-X	Z	-.003	-.003	0	%100
102	SF2-D1	Z	-.003	-.003	0	%100
103	SF2-D1-X	Z	-.003	-.003	0	%100
104	SF1-V1	Z	-.002	-.002	0	%100
105	SF1-V2	Z	-.002	-.002	0	%100
106	SF2-V1	Z	-.002	-.002	0	%100
107	SF2-V2	Z	-.002	-.002	0	%100
108	SF1-CPB	Z	-.002	-.002	0	%100
109	SF1-CPT	Z	-.002	-.002	0	%100
110	SF2-CPB	Z	-.002	-.002	0	%100
111	SF2-CPT	Z	-.002	-.002	0	%100
112	FFBH-1	Z	-.003	-.003	0	%100
113	FFBH-2	Z	-.005	-.005	0	%100
114	FFBH-3	Z	-.003	-.003	0	%100
115	FFTH-1	Z	-.003	-.003	0	%100
116	FFTH-2	Z	-.005	-.005	0	%100
117	FFTH-3	Z	-.003	-.003	0	%100
118	SA-1	Z	-.007	-.007	0	%100
119	SF1-BH	Z	-.001	-.001	0	%100
120	SF1-TH	Z	-.001	-.001	0	%100
121	SF2-BH	Z	-.005	-.005	0	%100
122	SF2-TH	Z	-.005	-.005	0	%100
123	MP-1	Z	-.008	-.008	0	%100
124	MP-2	Z	-.008	-.008	0	%100
125	MP-3	Z	-.008	-.008	0	%100
126	MP-4	Z	-.008	-.008	0	%100
127	RRU-1	Z	-.008	-.008	0	%100
128	RRU-2	Z	-.008	-.008	0	%100
129	SA-2	Z	-.007	-.007	0	%100
130	SF3-D1	Z	-.003	-.003	0	%100
131	SF3-D1-X	Z	-.003	-.003	0	%100
132	SF4-D1	Z	-.003	-.003	0	%100
133	SF4-D1-X	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
9	SF1-CPB	Z	-.003	-.003	0	%100
10	SF1-CPT	Z	-.003	-.003	0	%100
11	SF2-CPB	Z	-.003	-.003	0	%100
12	SF2-CPT	Z	-.003	-.003	0	%100
13	FFBH-1	Z	0	0	0	%100
14	FFBH-2	Z	0	0	0	%100
15	FFBH-3	Z	0	0	0	%100
16	FFTH-1	Z	0	0	0	%100
17	FFTH-2	Z	0	0	0	%100
18	FFTH-3	Z	0	0	0	%100
19	SA-1	Z	-.009	-.009	0	%100
20	SF1-BH	Z	-.004	-.004	0	%100
21	SF1-TH	Z	-.004	-.004	0	%100
22	SF2-BH	Z	-.004	-.004	0	%100
23	SF2-TH	Z	-.004	-.004	0	%100
24	MP-1	Z	-.009	-.009	0	%100
25	MP-2	Z	-.009	-.009	0	%100
26	MP-3	Z	-.009	-.009	0	%100
27	MP-4	Z	-.009	-.009	0	%100
28	RRU-1	Z	-.009	-.009	0	%100
29	RRU-2	Z	-.009	-.009	0	%100
30	SA-2	Z	-.009	-.009	0	%100
31	SF3-D1	Z	-.003	-.003	0	%100
32	SF3-D1-X	Z	-.003	-.003	0	%100
33	SF4-D1	Z	-.003	-.003	0	%100
34	SF4-D1-X	Z	-.003	-.003	0	%100
35	SF3-V1	Z	-.002	-.002	0	%100
36	SF3-V2	Z	-.002	-.002	0	%100
37	SF4-V1	Z	-.002	-.002	0	%100
38	SF4-V2	Z	-.002	-.002	0	%100
39	SF3-CPB	Z	-.000996	-.000996	0	%100
40	SF3-CPT	Z	-.000996	-.000996	0	%100
41	SF4-CPB	Z	-.002	-.002	0	%100
42	SF4-CPT	Z	-.002	-.002	0	%100
43	FFBH-4	Z	-.01	-.01	0	%100
44	FFBH-5	Z	-.01	-.01	0	%100
45	FFBH-6	Z	-.01	-.01	0	%100
46	FFTH-4	Z	-.01	-.01	0	%100
47	FFTH-5	Z	-.01	-.01	0	%100
48	FFTH-6	Z	-.01	-.01	0	%100
49	SA-3	Z	-.005	-.005	0	%100
50	SF3-BH	Z	-.002	-.002	0	%100
51	SF3-TH	Z	-.002	-.002	0	%100
52	SF4-BH	Z	-.007	-.007	0	%100
53	SF4-TH	Z	-.007	-.007	0	%100
54	MP-5	Z	-.009	-.009	0	%100
55	MP-6	Z	-.009	-.009	0	%100
56	MP-7	Z	-.009	-.009	0	%100
57	MP-8	Z	-.009	-.009	0	%100
58	RRU-3	Z	-.009	-.009	0	%100
59	RRU-4	Z	-.009	-.009	0	%100
60	SA-4	Z	-.005	-.005	0	%100
61	SF5-D1	Z	-.003	-.003	0	%100
62	SF5-D1-X	Z	-.003	-.003	0	%100
63	SF6-D1	Z	-.003	-.003	0	%100
64	SF6-D1-X	Z	-.003	-.003	0	%100
65	SF5-V1	Z	-.002	-.002	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,%]
66	SF5-V2	Z	-.002	-.002	0	%100
67	SF6-V1	Z	-.002	-.002	0	%100
68	SF6-V2	Z	-.002	-.002	0	%100
69	SF5-CPB	Z	-.002	-.002	0	%100
70	SF5-CPT	Z	-.002	-.002	0	%100
71	SF6-CPB	Z	-.000996	-.000996	0	%100
72	SF6-CPT	Z	-.000996	-.000996	0	%100
73	FFBH-7	Z	-.01	-.01	0	%100
74	FFBH-8	Z	-.01	-.01	0	%100
75	FFBH-9	Z	-.01	-.01	0	%100
76	FFTH-7	Z	-.01	-.01	0	%100
77	FFTH-8	Z	-.01	-.01	0	%100
78	FFTH-9	Z	-.01	-.01	0	%100
79	SA-5	Z	-.003	-.003	0	%100
80	SF5-BH	Z	-.007	-.007	0	%100
81	SF5-TH	Z	-.007	-.007	0	%100
82	SF6-BH	Z	-.002	-.002	0	%100
83	SF6-TH	Z	-.002	-.002	0	%100
84	MP-9	Z	-.009	-.009	0	%100
85	MP-10	Z	-.009	-.009	0	%100
86	MP-11	Z	-.009	-.009	0	%100
87	MP-12	Z	-.009	-.009	0	%100
88	RRU-5	Z	-.009	-.009	0	%100
89	RRU-6	Z	-.009	-.009	0	%100
90	SA-6	Z	-.003	-.003	0	%100
91	PM-1	Z	-.011	-.011	0	%100
92	MM-1	Z	-.012	-.012	0	%100
93	MM-2	Z	-.012	-.012	0	%100
94	PM-2	Z	-.011	-.011	0	%100
95	MM-3	Z	-.006	-.006	0	%100
96	MM-4	Z	-.006	-.006	0	%100
97	PM-3	Z	-.011	-.011	0	%100
98	MM-5	Z	-.006	-.006	0	%100
99	MM-6	Z	-.006	-.006	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	.002	.002	0	%100
2	SF1-D1-X	X	.002	.002	0	%100
3	SF2-D1	X	.002	.002	0	%100
4	SF2-D1-X	X	.002	.002	0	%100
5	SF1-V1	X	.001	.001	0	%100
6	SF1-V2	X	.001	.001	0	%100
7	SF2-V1	X	.001	.001	0	%100
8	SF2-V2	X	.001	.001	0	%100
9	SF1-CPB	X	.00098	.00098	0	%100
10	SF1-CPT	X	.00098	.00098	0	%100
11	SF2-CPB	X	.001	.001	0	%100
12	SF2-CPT	X	.001	.001	0	%100
13	FFBH-1	X	.003	.003	0	%100
14	FFBH-2	X	.003	.003	0	%100
15	FFBH-3	X	.003	.003	0	%100
16	FFTH-1	X	.003	.003	0	%100
17	FFTH-2	X	.003	.003	0	%100
18	FFTH-3	X	.003	.003	0	%100
19	SA-1	X	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
97	PM-3	X	-.005	-.005	0	%100
98	MM-5	X	0	0	0	%100
99	MM-6	X	0	0	0	%100
100	SF1-D1	Z	-.003	-.003	0	%100
101	SF1-D1-X	Z	-.003	-.003	0	%100
102	SF2-D1	Z	-.003	-.003	0	%100
103	SF2-D1-X	Z	-.003	-.003	0	%100
104	SF1-V1	Z	-.002	-.002	0	%100
105	SF1-V2	Z	-.002	-.002	0	%100
106	SF2-V1	Z	-.002	-.002	0	%100
107	SF2-V2	Z	-.002	-.002	0	%100
108	SF1-CPB	Z	-.002	-.002	0	%100
109	SF1-CPT	Z	-.002	-.002	0	%100
110	SF2-CPB	Z	-.002	-.002	0	%100
111	SF2-CPT	Z	-.002	-.002	0	%100
112	FFBH-1	Z	-.003	-.003	0	%100
113	FFBH-2	Z	-.005	-.005	0	%100
114	FFBH-3	Z	-.003	-.003	0	%100
115	FFTH-1	Z	-.003	-.003	0	%100
116	FFTH-2	Z	-.005	-.005	0	%100
117	FFTH-3	Z	-.003	-.003	0	%100
118	SA-1	Z	-.007	-.007	0	%100
119	SF1-BH	Z	-.005	-.005	0	%100
120	SF1-TH	Z	-.005	-.005	0	%100
121	SF2-BH	Z	-.001	-.001	0	%100
122	SF2-TH	Z	-.001	-.001	0	%100
123	MP-1	Z	-.008	-.008	0	%100
124	MP-2	Z	-.008	-.008	0	%100
125	MP-3	Z	-.008	-.008	0	%100
126	MP-4	Z	-.008	-.008	0	%100
127	RRU-1	Z	-.008	-.008	0	%100
128	RRU-2	Z	-.008	-.008	0	%100
129	SA-2	Z	-.007	-.007	0	%100
130	SF3-D1	Z	-.003	-.003	0	%100
131	SF3-D1-X	Z	-.003	-.003	0	%100
132	SF4-D1	Z	-.003	-.003	0	%100
133	SF4-D1-X	Z	-.003	-.003	0	%100
134	SF3-V1	Z	-.002	-.002	0	%100
135	SF3-V2	Z	-.002	-.002	0	%100
136	SF4-V1	Z	-.002	-.002	0	%100
137	SF4-V2	Z	-.002	-.002	0	%100
138	SF3-CPB	Z	-.002	-.002	0	%100
139	SF3-CPT	Z	-.002	-.002	0	%100
140	SF4-CPB	Z	-.002	-.002	0	%100
141	SF4-CPT	Z	-.002	-.002	0	%100
142	FFBH-4	Z	-.005	-.005	0	%100
143	FFBH-5	Z	-.005	-.005	0	%100
144	FFBH-6	Z	-.005	-.005	0	%100
145	FFTH-4	Z	-.005	-.005	0	%100
146	FFTH-5	Z	-.005	-.005	0	%100
147	FFTH-6	Z	-.005	-.005	0	%100
148	SA-3	Z	-.007	-.007	0	%100
149	SF3-BH	Z	-.001	-.001	0	%100
150	SF3-TH	Z	-.001	-.001	0	%100
151	SF4-BH	Z	-.006	-.006	0	%100
152	SF4-TH	Z	-.006	-.006	0	%100
153	MP-5	Z	-.008	-.008	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
154	MP-6	Z	-.008	-.008	0	%100
155	MP-7	Z	-.008	-.008	0	%100
156	MP-8	Z	-.008	-.008	0	%100
157	RRU-3	Z	-.008	-.008	0	%100
158	RRU-4	Z	-.008	-.008	0	%100
159	SA-4	Z	-.007	-.007	0	%100
160	SF5-D1	Z	-.003	-.003	0	%100
161	SF5-D1-X	Z	-.003	-.003	0	%100
162	SF6-D1	Z	-.003	-.003	0	%100
163	SF6-D1-X	Z	-.003	-.003	0	%100
164	SF5-V1	Z	-.002	-.002	0	%100
165	SF5-V2	Z	-.002	-.002	0	%100
166	SF6-V1	Z	-.002	-.002	0	%100
167	SF6-V2	Z	-.002	-.002	0	%100
168	SF5-CPB	Z	-.000244	-.000244	0	%100
169	SF5-CPT	Z	-.000244	-.000244	0	%100
170	SF6-CPB	Z	-.000232	-.000232	0	%100
171	SF6-CPT	Z	-.000232	-.000232	0	%100
172	FFBH-7	Z	-.01	-.01	0	%100
173	FFBH-8	Z	-.01	-.01	0	%100
174	FFBH-9	Z	-.01	-.01	0	%100
175	FFTH-7	Z	-.01	-.01	0	%100
176	FFTH-8	Z	-.01	-.01	0	%100
177	FFTH-9	Z	-.01	-.01	0	%100
178	SA-5	Z	-.000407	-.000407	0	%100
179	SF5-BH	Z	-.005	-.005	0	%100
180	SF5-TH	Z	-.005	-.005	0	%100
181	SF6-BH	Z	-.004	-.004	0	%100
182	SF6-TH	Z	-.004	-.004	0	%100
183	MP-9	Z	-.008	-.008	0	%100
184	MP-10	Z	-.008	-.008	0	%100
185	MP-11	Z	-.008	-.008	0	%100
186	MP-12	Z	-.008	-.008	0	%100
187	RRU-5	Z	-.008	-.008	0	%100
188	RRU-6	Z	-.008	-.008	0	%100
189	SA-6	Z	-.000407	-.000407	0	%100
190	PM-1	Z	-.009	-.009	0	%100
191	MM-1	Z	-.009	-.009	0	%100
192	MM-2	Z	-.009	-.009	0	%100
193	PM-2	Z	-.009	-.009	0	%100
194	MM-3	Z	-.009	-.009	0	%100
195	MM-4	Z	-.009	-.009	0	%100
196	PM-3	Z	-.009	-.009	0	%100
197	MM-5	Z	0	0	0	%100
198	MM-6	Z	0	0	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	SF1-D1	Z	-.003	-.003	0	%100
2	SF1-D1-X	Z	-.003	-.003	0	%100
3	SF2-D1	Z	-.003	-.003	0	%100
4	SF2-D1-X	Z	-.003	-.003	0	%100
5	SF1-V1	Z	-.002	-.002	0	%100
6	SF1-V2	Z	-.002	-.002	0	%100
7	SF2-V1	Z	-.002	-.002	0	%100
8	SF2-V2	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
185	MP-11	Z	-.007	-.007	0	%100
186	MP-12	Z	-.007	-.007	0	%100
187	RRU-5	Z	-.007	-.007	0	%100
188	RRU-6	Z	-.007	-.007	0	%100
189	SA-6	Z	-.002	-.002	0	%100
190	PM-1	Z	-.008	-.008	0	%100
191	MM-1	Z	-.006	-.006	0	%100
192	MM-2	Z	-.006	-.006	0	%100
193	PM-2	Z	-.008	-.008	0	%100
194	MM-3	Z	-.008	-.008	0	%100
195	MM-4	Z	-.008	-.008	0	%100
196	PM-3	Z	-.008	-.008	0	%100
197	MM-5	Z	-.002	-.002	0	%100
198	MM-6	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	-.002	-.002	0	%100
2	SF1-D1-X	X	-.002	-.002	0	%100
3	SF2-D1	X	-.002	-.002	0	%100
4	SF2-D1-X	X	-.002	-.002	0	%100
5	SF1-V1	X	-.001	-.001	0	%100
6	SF1-V2	X	-.001	-.001	0	%100
7	SF2-V1	X	-.001	-.001	0	%100
8	SF2-V2	X	-.001	-.001	0	%100
9	SF1-CPB	X	-.001	-.001	0	%100
10	SF1-CPT	X	-.001	-.001	0	%100
11	SF2-CPB	X	-.00098	-.00098	0	%100
12	SF2-CPT	X	-.00098	-.00098	0	%100
13	FFBH-1	X	-.003	-.003	0	%100
14	FFBH-2	X	-.003	-.003	0	%100
15	FFBH-3	X	-.003	-.003	0	%100
16	FFTH-1	X	-.003	-.003	0	%100
17	FFTH-2	X	-.003	-.003	0	%100
18	FFTH-3	X	-.003	-.003	0	%100
19	SA-1	X	-.002	-.002	0	%100
20	SF1-BH	X	-.003	-.003	0	%100
21	SF1-TH	X	-.003	-.003	0	%100
22	SF2-BH	X	-.000715	-.000715	0	%100
23	SF2-TH	X	-.000715	-.000715	0	%100
24	MP-1	X	-.005	-.005	0	%100
25	MP-2	X	-.005	-.005	0	%100
26	MP-3	X	-.005	-.005	0	%100
27	MP-4	X	-.005	-.005	0	%100
28	RRU-1	X	-.005	-.005	0	%100
29	RRU-2	X	-.005	-.005	0	%100
30	SA-2	X	-.002	-.002	0	%100
31	SF3-D1	X	-.002	-.002	0	%100
32	SF3-D1-X	X	-.002	-.002	0	%100
33	SF4-D1	X	-.002	-.002	0	%100
34	SF4-D1-X	X	-.002	-.002	0	%100
35	SF3-V1	X	-.001	-.001	0	%100
36	SF3-V2	X	-.001	-.001	0	%100
37	SF4-V1	X	-.001	-.001	0	%100
38	SF4-V2	X	-.001	-.001	0	%100
39	SF3-CPB	X	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
40	SF3-CPT	X	-.001	-.001	0	%100
41	SF4-CPB	X	-.001	-.001	0	%100
42	SF4-CPT	X	-.001	-.001	0	%100
43	FFBH-4	X	-.003	-.003	0	%100
44	FFBH-5	X	-.003	-.003	0	%100
45	FFBH-6	X	-.003	-.003	0	%100
46	FFTH-4	X	-.003	-.003	0	%100
47	FFTH-5	X	-.003	-.003	0	%100
48	FFTH-6	X	-.003	-.003	0	%100
49	SA-3	X	-.004	-.004	0	%100
50	SF3-BH	X	-.000767	-.000767	0	%100
51	SF3-TH	X	-.000767	-.000767	0	%100
52	SF4-BH	X	-.003	-.003	0	%100
53	SF4-TH	X	-.003	-.003	0	%100
54	MP-5	X	-.005	-.005	0	%100
55	MP-6	X	-.005	-.005	0	%100
56	MP-7	X	-.005	-.005	0	%100
57	MP-8	X	-.005	-.005	0	%100
58	RRU-3	X	-.005	-.005	0	%100
59	RRU-4	X	-.005	-.005	0	%100
60	SA-4	X	-.004	-.004	0	%100
61	SF5-D1	X	-.002	-.002	0	%100
62	SF5-D1-X	X	-.002	-.002	0	%100
63	SF6-D1	X	-.002	-.002	0	%100
64	SF6-D1-X	X	-.002	-.002	0	%100
65	SF5-V1	X	-.001	-.001	0	%100
66	SF5-V2	X	-.001	-.001	0	%100
67	SF6-V1	X	-.001	-.001	0	%100
68	SF6-V2	X	-.001	-.001	0	%100
69	SF5-CPB	X	-.000148	-.000148	0	%100
70	SF5-CPT	X	-.000148	-.000148	0	%100
71	SF6-CPB	X	-.000152	-.000152	0	%100
72	SF6-CPT	X	-.000152	-.000152	0	%100
73	FFBH-7	X	-.006	-.006	0	%100
74	FFBH-8	X	-.006	-.006	0	%100
75	FFBH-9	X	-.006	-.006	0	%100
76	FFTH-7	X	-.006	-.006	0	%100
77	FFTH-8	X	-.006	-.006	0	%100
78	FFTH-9	X	-.006	-.006	0	%100
79	SA-5	X	-.000278	-.000278	0	%100
80	SF5-BH	X	-.002	-.002	0	%100
81	SF5-TH	X	-.002	-.002	0	%100
82	SF6-BH	X	-.003	-.003	0	%100
83	SF6-TH	X	-.003	-.003	0	%100
84	MP-9	X	-.005	-.005	0	%100
85	MP-10	X	-.005	-.005	0	%100
86	MP-11	X	-.005	-.005	0	%100
87	MP-12	X	-.005	-.005	0	%100
88	RRU-5	X	-.005	-.005	0	%100
89	RRU-6	X	-.005	-.005	0	%100
90	SA-6	X	-.000278	-.000278	0	%100
91	PM-1	X	-.005	-.005	0	%100
92	MM-1	X	-.005	-.005	0	%100
93	MM-2	X	-.005	-.005	0	%100
94	PM-2	X	-.005	-.005	0	%100
95	MM-3	X	-.005	-.005	0	%100
96	MM-4	X	-.005	-.005	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,%]
71	SF6-CPB	X	-.000719	-.000719	0	%100
72	SF6-CPT	X	-.000719	-.000719	0	%100
73	FFBH-7	X	-.008	-.008	0	%100
74	FFBH-8	X	-.008	-.008	0	%100
75	FFBH-9	X	-.008	-.008	0	%100
76	FFTH-7	X	-.008	-.008	0	%100
77	FFTH-8	X	-.008	-.008	0	%100
78	FFTH-9	X	-.008	-.008	0	%100
79	SA-5	X	-.002	-.002	0	%100
80	SF5-BH	X	-.002	-.002	0	%100
81	SF5-TH	X	-.002	-.002	0	%100
82	SF6-BH	X	-.004	-.004	0	%100
83	SF6-TH	X	-.004	-.004	0	%100
84	MP-9	X	-.007	-.007	0	%100
85	MP-10	X	-.007	-.007	0	%100
86	MP-11	X	-.007	-.007	0	%100
87	MP-12	X	-.007	-.007	0	%100
88	RRU-5	X	-.007	-.007	0	%100
89	RRU-6	X	-.007	-.007	0	%100
90	SA-6	X	-.002	-.002	0	%100
91	PM-1	X	-.008	-.008	0	%100
92	MM-1	X	-.006	-.006	0	%100
93	MM-2	X	-.006	-.006	0	%100
94	PM-2	X	-.008	-.008	0	%100
95	MM-3	X	-.008	-.008	0	%100
96	MM-4	X	-.008	-.008	0	%100
97	PM-3	X	-.008	-.008	0	%100
98	MM-5	X	-.002	-.002	0	%100
99	MM-6	X	-.002	-.002	0	%100
100	SF1-D1	Z	-.002	-.002	0	%100
101	SF1-D1-X	Z	-.002	-.002	0	%100
102	SF2-D1	Z	-.002	-.002	0	%100
103	SF2-D1-X	Z	-.002	-.002	0	%100
104	SF1-V1	Z	-.002	-.002	0	%100
105	SF1-V2	Z	-.002	-.002	0	%100
106	SF2-V1	Z	-.002	-.002	0	%100
107	SF2-V2	Z	-.002	-.002	0	%100
108	SF1-CPB	Z	-.002	-.002	0	%100
109	SF1-CPT	Z	-.002	-.002	0	%100
110	SF2-CPB	Z	-.001	-.001	0	%100
111	SF2-CPT	Z	-.001	-.001	0	%100
112	FFBH-1	Z	-.003	-.003	0	%100
113	FFBH-2	Z	-.006	-.006	0	%100
114	FFBH-3	Z	-.003	-.003	0	%100
115	FFTH-1	Z	-.003	-.003	0	%100
116	FFTH-2	Z	-.006	-.006	0	%100
117	FFTH-3	Z	-.003	-.003	0	%100
118	SA-1	Z	-.004	-.004	0	%100
119	SF1-BH	Z	-.005	-.005	0	%100
120	SF1-TH	Z	-.005	-.005	0	%100
121	SF2-BH	Z	-.000188	-.000188	0	%100
122	SF2-TH	Z	-.000188	-.000188	0	%100
123	MP-1	Z	-.007	-.007	0	%100
124	MP-2	Z	-.007	-.007	0	%100
125	MP-3	Z	-.007	-.007	0	%100
126	MP-4	Z	-.007	-.007	0	%100
127	RRU-1	Z	-.007	-.007	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
128	RRU-2	Z	-.007	-.007	0	%100
129	SA-2	Z	-.004	-.004	0	%100
130	SF3-D1	Z	-.002	-.002	0	%100
131	SF3-D1-X	Z	-.002	-.002	0	%100
132	SF4-D1	Z	-.002	-.002	0	%100
133	SF4-D1-X	Z	-.002	-.002	0	%100
134	SF3-V1	Z	-.002	-.002	0	%100
135	SF3-V2	Z	-.002	-.002	0	%100
136	SF4-V1	Z	-.002	-.002	0	%100
137	SF4-V2	Z	-.002	-.002	0	%100
138	SF3-CPB	Z	-.002	-.002	0	%100
139	SF3-CPT	Z	-.002	-.002	0	%100
140	SF4-CPB	Z	-.002	-.002	0	%100
141	SF4-CPT	Z	-.002	-.002	0	%100
142	FFBH-4	Z	-.002	-.002	0	%100
143	FFBH-5	Z	-.002	-.002	0	%100
144	FFBH-6	Z	-.002	-.002	0	%100
145	FFTH-4	Z	-.002	-.002	0	%100
146	FFTH-5	Z	-.002	-.002	0	%100
147	FFTH-6	Z	-.002	-.002	0	%100
148	SA-3	Z	-.006	-.006	0	%100
149	SF3-BH	Z	-.002	-.002	0	%100
150	SF3-TH	Z	-.002	-.002	0	%100
151	SF4-BH	Z	-.004	-.004	0	%100
152	SF4-TH	Z	-.004	-.004	0	%100
153	MP-5	Z	-.007	-.007	0	%100
154	MP-6	Z	-.007	-.007	0	%100
155	MP-7	Z	-.007	-.007	0	%100
156	MP-8	Z	-.007	-.007	0	%100
157	RRU-3	Z	-.007	-.007	0	%100
158	RRU-4	Z	-.007	-.007	0	%100
159	SA-4	Z	-.006	-.006	0	%100
160	SF5-D1	Z	-.002	-.002	0	%100
161	SF5-D1-X	Z	-.002	-.002	0	%100
162	SF6-D1	Z	-.002	-.002	0	%100
163	SF6-D1-X	Z	-.002	-.002	0	%100
164	SF5-V1	Z	-.002	-.002	0	%100
165	SF5-V2	Z	-.002	-.002	0	%100
166	SF6-V1	Z	-.002	-.002	0	%100
167	SF6-V2	Z	-.002	-.002	0	%100
168	SF5-CPB	Z	-.00028	-.00028	0	%100
169	SF5-CPT	Z	-.00028	-.00028	0	%100
170	SF6-CPB	Z	-.000632	-.000632	0	%100
171	SF6-CPT	Z	-.000632	-.000632	0	%100
172	FFBH-7	Z	-.008	-.008	0	%100
173	FFBH-8	Z	-.008	-.008	0	%100
174	FFBH-9	Z	-.008	-.008	0	%100
175	FFTH-7	Z	-.008	-.008	0	%100
176	FFTH-8	Z	-.008	-.008	0	%100
177	FFTH-9	Z	-.008	-.008	0	%100
178	SA-5	Z	-.002	-.002	0	%100
179	SF5-BH	Z	-.003	-.003	0	%100
180	SF5-TH	Z	-.003	-.003	0	%100
181	SF6-BH	Z	-.004	-.004	0	%100
182	SF6-TH	Z	-.004	-.004	0	%100
183	MP-9	Z	-.007	-.007	0	%100
184	MP-10	Z	-.007	-.007	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,%]
159	SA-4	Z	-.004	-.004	0	%100
160	SF5-D1	Z	-.002	-.002	0	%100
161	SF5-D1-X	Z	-.002	-.002	0	%100
162	SF6-D1	Z	-.002	-.002	0	%100
163	SF6-D1-X	Z	-.002	-.002	0	%100
164	SF5-V1	Z	-.001	-.001	0	%100
165	SF5-V2	Z	-.001	-.001	0	%100
166	SF6-V1	Z	-.001	-.001	0	%100
167	SF6-V2	Z	-.001	-.001	0	%100
168	SF5-CPB	Z	-.000523	-.000523	0	%100
169	SF5-CPT	Z	-.000523	-.000523	0	%100
170	SF6-CPB	Z	-.00073	-.00073	0	%100
171	SF6-CPT	Z	-.00073	-.00073	0	%100
172	FFBH-7	Z	-.005	-.005	0	%100
173	FFBH-8	Z	-.005	-.005	0	%100
174	FFBH-9	Z	-.005	-.005	0	%100
175	FFTH-7	Z	-.005	-.005	0	%100
176	FFTH-8	Z	-.005	-.005	0	%100
177	FFTH-9	Z	-.005	-.005	0	%100
178	SA-5	Z	-.002	-.002	0	%100
179	SF5-BH	Z	-.001	-.001	0	%100
180	SF5-TH	Z	-.001	-.001	0	%100
181	SF6-BH	Z	-.003	-.003	0	%100
182	SF6-TH	Z	-.003	-.003	0	%100
183	MP-9	Z	-.005	-.005	0	%100
184	MP-10	Z	-.005	-.005	0	%100
185	MP-11	Z	-.005	-.005	0	%100
186	MP-12	Z	-.005	-.005	0	%100
187	RRU-5	Z	-.005	-.005	0	%100
188	RRU-6	Z	-.005	-.005	0	%100
189	SA-6	Z	-.002	-.002	0	%100
190	PM-1	Z	-.005	-.005	0	%100
191	MM-1	Z	-.003	-.003	0	%100
192	MM-2	Z	-.003	-.003	0	%100
193	PM-2	Z	-.005	-.005	0	%100
194	MM-3	Z	-.006	-.006	0	%100
195	MM-4	Z	-.006	-.006	0	%100
196	PM-3	Z	-.005	-.005	0	%100
197	MM-5	Z	-.003	-.003	0	%100
198	MM-6	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	-.002	-.002	0	%100
2	SF1-D1-X	X	-.002	-.002	0	%100
3	SF2-D1	X	-.002	-.002	0	%100
4	SF2-D1-X	X	-.002	-.002	0	%100
5	SF1-V1	X	-.002	-.002	0	%100
6	SF1-V2	X	-.002	-.002	0	%100
7	SF2-V1	X	-.002	-.002	0	%100
8	SF2-V2	X	-.002	-.002	0	%100
9	SF1-CPB	X	-.001	-.001	0	%100
10	SF1-CPT	X	-.001	-.001	0	%100
11	SF2-CPB	X	-.001	-.001	0	%100
12	SF2-CPT	X	-.001	-.001	0	%100
13	FFBH-1	X	-.006	-.006	0	%100

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonbury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
14	FFBH-2	X	-.006	-.006	0	%100
15	FFBH-3	X	-.006	-.006	0	%100
16	FFTH-1	X	-.006	-.006	0	%100
17	FFTH-2	X	-.006	-.006	0	%100
18	FFTH-3	X	-.006	-.006	0	%100
19	SA-1	X	-.003	-.003	0	%100
20	SF1-BH	X	-.005	-.005	0	%100
21	SF1-TH	X	-.005	-.005	0	%100
22	SF2-BH	X	-.000192	-.000192	0	%100
23	SF2-TH	X	-.000192	-.000192	0	%100
24	MP-1	X	-.007	-.007	0	%100
25	MP-2	X	-.007	-.007	0	%100
26	MP-3	X	-.007	-.007	0	%100
27	MP-4	X	-.007	-.007	0	%100
28	RRU-1	X	-.007	-.007	0	%100
29	RRU-2	X	-.007	-.007	0	%100
30	SA-2	X	-.003	-.003	0	%100
31	SF3-D1	X	-.002	-.002	0	%100
32	SF3-D1-X	X	-.002	-.002	0	%100
33	SF4-D1	X	-.002	-.002	0	%100
34	SF4-D1-X	X	-.002	-.002	0	%100
35	SF3-V1	X	-.002	-.002	0	%100
36	SF3-V2	X	-.002	-.002	0	%100
37	SF4-V1	X	-.002	-.002	0	%100
38	SF4-V2	X	-.002	-.002	0	%100
39	SF3-CPB	X	-.002	-.002	0	%100
40	SF3-CPT	X	-.002	-.002	0	%100
41	SF4-CPB	X	-.002	-.002	0	%100
42	SF4-CPT	X	-.002	-.002	0	%100
43	FFBH-4	X	-.002	-.002	0	%100
44	FFBH-5	X	-.002	-.002	0	%100
45	FFBH-6	X	-.002	-.002	0	%100
46	FFTH-4	X	-.002	-.002	0	%100
47	FFTH-5	X	-.002	-.002	0	%100
48	FFTH-6	X	-.002	-.002	0	%100
49	SA-3	X	-.006	-.006	0	%100
50	SF3-BH	X	-.002	-.002	0	%100
51	SF3-TH	X	-.002	-.002	0	%100
52	SF4-BH	X	-.003	-.003	0	%100
53	SF4-TH	X	-.003	-.003	0	%100
54	MP-5	X	-.007	-.007	0	%100
55	MP-6	X	-.007	-.007	0	%100
56	MP-7	X	-.007	-.007	0	%100
57	MP-8	X	-.007	-.007	0	%100
58	RRU-3	X	-.007	-.007	0	%100
59	RRU-4	X	-.007	-.007	0	%100
60	SA-4	X	-.006	-.006	0	%100
61	SF5-D1	X	-.002	-.002	0	%100
62	SF5-D1-X	X	-.002	-.002	0	%100
63	SF6-D1	X	-.002	-.002	0	%100
64	SF6-D1-X	X	-.002	-.002	0	%100
65	SF5-V1	X	-.002	-.002	0	%100
66	SF5-V2	X	-.002	-.002	0	%100
67	SF6-V1	X	-.002	-.002	0	%100
68	SF6-V2	X	-.002	-.002	0	%100
69	SF5-CPB	X	-.000295	-.000295	0	%100
70	SF5-CPT	X	-.000295	-.000295	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,%]
45	FFBH-6	X	-1e-6	-1e-6	0	%100
46	FFTH-4	X	-1e-6	-1e-6	0	%100
47	FFTH-5	X	0	0	0	%100
48	FFTH-6	X	-1e-6	-1e-6	0	%100
49	SA-3	X	-.008	-.008	0	%100
50	SF3-BH	X	-.004	-.004	0	%100
51	SF3-TH	X	-.004	-.004	0	%100
52	SF4-BH	X	-.003	-.003	0	%100
53	SF4-TH	X	-.003	-.003	0	%100
54	MP-5	X	-.008	-.008	0	%100
55	MP-6	X	-.008	-.008	0	%100
56	MP-7	X	-.008	-.008	0	%100
57	MP-8	X	-.008	-.008	0	%100
58	RRU-3	X	-.008	-.008	0	%100
59	RRU-4	X	-.008	-.008	0	%100
60	SA-4	X	-.008	-.008	0	%100
61	SF5-D1	X	-.003	-.003	0	%100
62	SF5-D1-X	X	-.003	-.003	0	%100
63	SF6-D1	X	-.003	-.003	0	%100
64	SF6-D1-X	X	-.003	-.003	0	%100
65	SF5-V1	X	-.002	-.002	0	%100
66	SF5-V2	X	-.002	-.002	0	%100
67	SF6-V1	X	-.002	-.002	0	%100
68	SF6-V2	X	-.002	-.002	0	%100
69	SF5-CPB	X	-.000956	-.000956	0	%100
70	SF5-CPT	X	-.000956	-.000956	0	%100
71	SF6-CPB	X	-.001	-.001	0	%100
72	SF6-CPT	X	-.001	-.001	0	%100
73	FFBH-7	X	-.008	-.008	0	%100
74	FFBH-8	X	-.008	-.008	0	%100
75	FFBH-9	X	-.008	-.008	0	%100
76	FFTH-7	X	-.008	-.008	0	%100
77	FFTH-8	X	-.008	-.008	0	%100
78	FFTH-9	X	-.008	-.008	0	%100
79	SA-5	X	-.004	-.004	0	%100
80	SF5-BH	X	-.001	-.001	0	%100
81	SF5-TH	X	-.001	-.001	0	%100
82	SF6-BH	X	-.006	-.006	0	%100
83	SF6-TH	X	-.006	-.006	0	%100
84	MP-9	X	-.008	-.008	0	%100
85	MP-10	X	-.008	-.008	0	%100
86	MP-11	X	-.008	-.008	0	%100
87	MP-12	X	-.008	-.008	0	%100
88	RRU-5	X	-.008	-.008	0	%100
89	RRU-6	X	-.008	-.008	0	%100
90	SA-6	X	-.004	-.004	0	%100
91	PM-1	X	-.009	-.009	0	%100
92	MM-1	X	-.005	-.005	0	%100
93	MM-2	X	-.005	-.005	0	%100
94	PM-2	X	-.009	-.009	0	%100
95	MM-3	X	-.01	-.01	0	%100
96	MM-4	X	-.01	-.01	0	%100
97	PM-3	X	-.009	-.009	0	%100
98	MM-5	X	-.005	-.005	0	%100
99	MM-6	X	-.005	-.005	0	%100
100	SF1-D1	Z	-.002	-.002	0	%100
101	SF1-D1-X	Z	-.002	-.002	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,%]
102	SF2-D1	Z	-.002	-.002	0	%100
103	SF2-D1-X	Z	-.002	-.002	0	%100
104	SF1-V1	Z	-.001	-.001	0	%100
105	SF1-V2	Z	-.001	-.001	0	%100
106	SF2-V1	Z	-.001	-.001	0	%100
107	SF2-V2	Z	-.001	-.001	0	%100
108	SF1-CPB	Z	-.000843	-.000843	0	%100
109	SF1-CPT	Z	-.000843	-.000843	0	%100
110	SF2-CPB	Z	-.000575	-.000575	0	%100
111	SF2-CPT	Z	-.000575	-.000575	0	%100
112	FFBH-1	Z	-.003	-.003	0	%100
113	FFBH-2	Z	-.005	-.005	0	%100
114	FFBH-3	Z	-.003	-.003	0	%100
115	FFTH-1	Z	-.003	-.003	0	%100
116	FFTH-2	Z	-.005	-.005	0	%100
117	FFTH-3	Z	-.003	-.003	0	%100
118	SA-1	Z	-.002	-.002	0	%100
119	SF1-BH	Z	-.003	-.003	0	%100
120	SF1-TH	Z	-.003	-.003	0	%100
121	SF2-BH	Z	-.000959	-.000959	0	%100
122	SF2-TH	Z	-.000959	-.000959	0	%100
123	MP-1	Z	-.005	-.005	0	%100
124	MP-2	Z	-.005	-.005	0	%100
125	MP-3	Z	-.005	-.005	0	%100
126	MP-4	Z	-.005	-.005	0	%100
127	RRU-1	Z	-.005	-.005	0	%100
128	RRU-2	Z	-.005	-.005	0	%100
129	SA-2	Z	-.002	-.002	0	%100
130	SF3-D1	Z	-.002	-.002	0	%100
131	SF3-D1-X	Z	-.002	-.002	0	%100
132	SF4-D1	Z	-.002	-.002	0	%100
133	SF4-D1-X	Z	-.002	-.002	0	%100
134	SF3-V1	Z	-.001	-.001	0	%100
135	SF3-V2	Z	-.001	-.001	0	%100
136	SF4-V1	Z	-.001	-.001	0	%100
137	SF4-V2	Z	-.001	-.001	0	%100
138	SF3-CPB	Z	-.001	-.001	0	%100
139	SF3-CPT	Z	-.001	-.001	0	%100
140	SF4-CPB	Z	-.001	-.001	0	%100
141	SF4-CPT	Z	-.001	-.001	0	%100
142	FFBH-4	Z	0	0	0	%100
143	FFBH-5	Z	0	0	0	%100
144	FFBH-6	Z	0	0	0	%100
145	FFTH-4	Z	0	0	0	%100
146	FFTH-5	Z	0	0	0	%100
147	FFTH-6	Z	0	0	0	%100
148	SA-3	Z	-.004	-.004	0	%100
149	SF3-BH	Z	-.002	-.002	0	%100
150	SF3-TH	Z	-.002	-.002	0	%100
151	SF4-BH	Z	-.002	-.002	0	%100
152	SF4-TH	Z	-.002	-.002	0	%100
153	MP-5	Z	-.005	-.005	0	%100
154	MP-6	Z	-.005	-.005	0	%100
155	MP-7	Z	-.005	-.005	0	%100
156	MP-8	Z	-.005	-.005	0	%100
157	RRU-3	Z	-.005	-.005	0	%100
158	RRU-4	Z	-.005	-.005	0	%100

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
34	SF4-D1-X	X	-.003	-.003	0	%100
35	SF3-V1	X	-.002	-.002	0	%100
36	SF3-V2	X	-.002	-.002	0	%100
37	SF4-V1	X	-.002	-.002	0	%100
38	SF4-V2	X	-.002	-.002	0	%100
39	SF3-CPB	X	-.003	-.003	0	%100
40	SF3-CPT	X	-.003	-.003	0	%100
41	SF4-CPB	X	-.002	-.002	0	%100
42	SF4-CPT	X	-.002	-.002	0	%100
43	FFBH-4	X	-.006	-.006	0	%100
44	FFBH-5	X	-.006	-.006	0	%100
45	FFBH-6	X	-.006	-.006	0	%100
46	FFTH-4	X	-.006	-.006	0	%100
47	FFTH-5	X	-.006	-.006	0	%100
48	FFTH-6	X	-.006	-.006	0	%100
49	SA-3	X	-.008	-.008	0	%100
50	SF3-BH	X	-.007	-.007	0	%100
51	SF3-TH	X	-.007	-.007	0	%100
52	SF4-BH	X	-.001	-.001	0	%100
53	SF4-TH	X	-.001	-.001	0	%100
54	MP-5	X	-.009	-.009	0	%100
55	MP-6	X	-.009	-.009	0	%100
56	MP-7	X	-.009	-.009	0	%100
57	MP-8	X	-.009	-.009	0	%100
58	RRU-3	X	-.009	-.009	0	%100
59	RRU-4	X	-.009	-.009	0	%100
60	SA-4	X	-.008	-.008	0	%100
61	SF5-D1	X	-.003	-.003	0	%100
62	SF5-D1-X	X	-.003	-.003	0	%100
63	SF6-D1	X	-.003	-.003	0	%100
64	SF6-D1-X	X	-.003	-.003	0	%100
65	SF5-V1	X	-.002	-.002	0	%100
66	SF5-V2	X	-.002	-.002	0	%100
67	SF6-V1	X	-.002	-.002	0	%100
68	SF6-V2	X	-.002	-.002	0	%100
69	SF5-CPB	X	-.002	-.002	0	%100
70	SF5-CPT	X	-.002	-.002	0	%100
71	SF6-CPB	X	-.003	-.003	0	%100
72	SF6-CPT	X	-.003	-.003	0	%100
73	FFBH-7	X	-.006	-.006	0	%100
74	FFBH-8	X	-.006	-.006	0	%100
75	FFBH-9	X	-.006	-.006	0	%100
76	FFTH-7	X	-.006	-.006	0	%100
77	FFTH-8	X	-.006	-.006	0	%100
78	FFTH-9	X	-.006	-.006	0	%100
79	SA-5	X	-.008	-.008	0	%100
80	SF5-BH	X	-.001	-.001	0	%100
81	SF5-TH	X	-.001	-.001	0	%100
82	SF6-BH	X	-.007	-.007	0	%100
83	SF6-TH	X	-.007	-.007	0	%100
84	MP-9	X	-.009	-.009	0	%100
85	MP-10	X	-.009	-.009	0	%100
86	MP-11	X	-.009	-.009	0	%100
87	MP-12	X	-.009	-.009	0	%100
88	RRU-5	X	-.009	-.009	0	%100
89	RRU-6	X	-.009	-.009	0	%100
90	SA-6	X	-.008	-.008	0	%100

RISA A NELSETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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,%]
91	PM-1	X	-.011	-.011	0	%100
92	MM-1	X	0	0	0	%100
93	MM-2	X	0	0	0	%100
94	PM-2	X	-.011	-.011	0	%100
95	MM-3	X	-.01	-.01	0	%100
96	MM-4	X	-.01	-.01	0	%100
97	PM-3	X	-.011	-.011	0	%100
98	MM-5	X	-.01	-.01	0	%100
99	MM-6	X	-.01	-.01	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	SF1-D1	X	-.003	-.003	0	%100
2	SF1-D1-X	X	-.003	-.003	0	%100
3	SF2-D1	X	-.003	-.003	0	%100
4	SF2-D1-X	X	-.003	-.003	0	%100
5	SF1-V1	X	-.002	-.002	0	%100
6	SF1-V2	X	-.002	-.002	0	%100
7	SF2-V1	X	-.002	-.002	0	%100
8	SF2-V2	X	-.002	-.002	0	%100
9	SF1-CPB	X	-.001	-.001	0	%100
10	SF1-CPT	X	-.001	-.001	0	%100
11	SF2-CPB	X	-.000848	-.000848	0	%100
12	SF2-CPT	X	-.000848	-.000848	0	%100
13	FFBH-1	X	-.008	-.008	0	%100
14	FFBH-2	X	-.008	-.008	0	%100
15	FFBH-3	X	-.008	-.008	0	%100
16	FFTH-1	X	-.008	-.008	0	%100
17	FFTH-2	X	-.008	-.008	0	%100
18	FFTH-3	X	-.008	-.008	0	%100
19	SA-1	X	-.002	-.002	0	%100
20	SF1-BH	X	-.006	-.006	0	%100
21	SF1-TH	X	-.006	-.006	0	%100
22	SF2-BH	X	-.002	-.002	0	%100
23	SF2-TH	X	-.002	-.002	0	%100
24	MP-1	X	-.008	-.008	0	%100
25	MP-2	X	-.008	-.008	0	%100
26	MP-3	X	-.008	-.008	0	%100
27	MP-4	X	-.008	-.008	0	%100
28	RRU-1	X	-.008	-.008	0	%100
29	RRU-2	X	-.008	-.008	0	%100
30	SA-2	X	-.002	-.002	0	%100
31	SF3-D1	X	-.003	-.003	0	%100
32	SF3-D1-X	X	-.003	-.003	0	%100
33	SF4-D1	X	-.003	-.003	0	%100
34	SF4-D1-X	X	-.003	-.003	0	%100
35	SF3-V1	X	-.002	-.002	0	%100
36	SF3-V2	X	-.002	-.002	0	%100
37	SF4-V1	X	-.002	-.002	0	%100
38	SF4-V2	X	-.002	-.002	0	%100
39	SF3-CPB	X	-.002	-.002	0	%100
40	SF3-CPT	X	-.002	-.002	0	%100
41	SF4-CPB	X	-.002	-.002	0	%100
42	SF4-CPT	X	-.002	-.002	0	%100
43	FFBH-4	X	-1e-6	-1e-6	0	%100
44	FFBH-5	X	0	0	0	%100

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.036	1.5
2	MP-2	X	-.036	1.5
3	MP-3	X	-.038	1.5
4	MP-4	X	-.038	1.5
5	RRU-1	X	-.072	1
6	RRU-1	X	-.071	1
7	RRU-2	X	-.06	5
8	RRU-2	X	-.038	8
9	MP-5	X	-.036	1.5
10	MP-6	X	-.036	1.5
11	MP-7	X	-.038	1.5
12	MP-8	X	-.038	1.5
13	RRU-3	X	-.072	1
14	RRU-3	X	-.071	1
15	RRU-4	X	-.06	5
16	RRU-4	X	-.019	8
17	MP-9	X	-.036	1.5
18	MP-10	X	-.036	1.5
19	MP-11	X	-.038	1.5
20	MP-12	X	-.038	1.5
21	RRU-6	X	-.072	1
22	RRU-6	X	-.071	1
23	RRU-5	X	-.06	5
24	RRU-5	X	-.019	8
25	MP-1	X	-.036	8.5
26	MP-2	X	-.036	8.5
27	MP-3	X	-.038	8.5
28	MP-4	X	-.038	8.5
29	MP-5	X	-.036	8.5
30	MP-6	X	-.036	8.5
31	MP-7	X	-.038	8.5
32	MP-8	X	-.038	8.5
33	MP-9	X	-.036	8.5
34	MP-10	X	-.036	8.5
35	MP-11	X	-.038	8.5
36	MP-12	X	-.038	8.5

Member Point Loads (BLC 38 : Seismic Load Z)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.036	1.5
2	MP-2	Z	-.036	1.5
3	MP-3	Z	-.038	1.5
4	MP-4	Z	-.038	1.5
5	RRU-1	Z	-.072	1
6	RRU-1	Z	-.071	1
7	RRU-2	Z	-.06	5
8	RRU-2	Z	-.038	8
9	MP-5	Z	-.036	1.5
10	MP-6	Z	-.036	1.5
11	MP-7	Z	-.038	1.5
12	MP-8	Z	-.038	1.5
13	RRU-3	Z	-.072	1
14	RRU-3	Z	-.071	1
15	RRU-4	Z	-.06	5
16	RRU-4	Z	-.019	8
17	MP-9	Z	-.036	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP-10	Z	-.036	1.5
19	MP-11	Z	-.038	1.5
20	MP-12	Z	-.038	1.5
21	RRU-6	Z	-.072	1
22	RRU-6	Z	-.071	1
23	RRU-5	Z	-.06	5
24	RRU-5	Z	-.019	8
25	MP-1	Z	-.036	8.5
26	MP-2	Z	-.036	8.5
27	MP-3	Z	-.038	8.5
28	MP-4	Z	-.038	8.5
29	MP-5	Z	-.036	8.5
30	MP-6	Z	-.036	8.5
31	MP-7	Z	-.038	8.5
32	MP-8	Z	-.038	8.5
33	MP-9	Z	-.036	8.5
34	MP-10	Z	-.036	8.5
35	MP-11	Z	-.038	8.5
36	MP-12	Z	-.038	8.5

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft,%]	End Location[ft,%]
1	SF1-D1	X	-.003	-.003	0	%100
2	SF1-D1-X	X	-.003	-.003	0	%100
3	SF2-D1	X	-.003	-.003	0	%100
4	SF2-D1-X	X	-.003	-.003	0	%100
5	SF1-V1	X	-.002	-.002	0	%100
6	SF1-V2	X	-.002	-.002	0	%100
7	SF2-V1	X	-.002	-.002	0	%100
8	SF2-V2	X	-.002	-.002	0	%100
9	SF1-CPB	X	-.000263	-.000263	0	%100
10	SF1-CPT	X	-.000263	-.000263	0	%100
11	SF2-CPB	X	-.000263	-.000263	0	%100
12	SF2-CPT	X	-.000263	-.000263	0	%100
13	FFBH-1	X	-.011	-.011	0	%100
14	FFBH-2	X	-.011	-.011	0	%100
15	FFBH-3	X	-.011	-.011	0	%100
16	FFTH-1	X	-.011	-.011	0	%100
17	FFTH-2	X	-.011	-.011	0	%100
18	FFTH-3	X	-.011	-.011	0	%100
19	SA-1	X	-.000324	-.000324	0	%100
20	SF1-BH	X	-.005	-.005	0	%100
21	SF1-TH	X	-.005	-.005	0	%100
22	SF2-BH	X	-.005	-.005	0	%100
23	SF2-TH	X	-.005	-.005	0	%100
24	MP-1	X	-.009	-.009	0	%100
25	MP-2	X	-.009	-.009	0	%100
26	MP-3	X	-.009	-.009	0	%100
27	MP-4	X	-.009	-.009	0	%100
28	RRU-1	X	-.009	-.009	0	%100
29	RRU-2	X	-.009	-.009	0	%100
30	SA-2	X	-.000324	-.000324	0	%100
31	SF3-D1	X	-.003	-.003	0	%100
32	SF3-D1-X	X	-.003	-.003	0	%100
33	SF4-D1	X	-.003	-.003	0	%100

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP-3	Z	.04	1.5
40	MP-4	Z	.04	1.5
41	RRU-1	Z	.012	1
42	RRU-1	Z	.014	1
43	RRU-2	Z	.01	5
44	RRU-2	Z	.012	8
45	MP-5	Z	.038	1.5
46	MP-6	Z	.038	1.5
47	MP-7	Z	.05	1.5
48	MP-8	Z	.05	1.5
49	RRU-3	Z	.011	1
50	RRU-3	Z	.012	1
51	RRU-4	Z	.013	5
52	RRU-4	Z	.006	8
53	MP-9	Z	.026	1.5
54	MP-10	Z	.026	1.5
55	MP-11	Z	.029	1.5
56	MP-12	Z	.029	1.5
57	RRU-6	Z	.012	1
58	RRU-6	Z	.014	1
59	RRU-5	Z	.011	5
60	RRU-5	Z	.006	8
61	MP-1	Z	.032	8.5
62	MP-2	Z	.032	8.5
63	MP-3	Z	.04	8.5
64	MP-4	Z	.04	8.5
65	MP-5	Z	.038	8.5
66	MP-6	Z	.038	8.5
67	MP-7	Z	.05	8.5
68	MP-8	Z	.05	8.5
69	MP-9	Z	.026	8.5
70	MP-10	Z	.026	8.5
71	MP-11	Z	.029	8.5
72	MP-12	Z	.029	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.043	1.5
2	MP-2	X	-.043	1.5
3	MP-3	X	-.056	1.5
4	MP-4	X	-.056	1.5
5	RRU-1	X	-.015	1
6	RRU-1	X	-.017	1
7	RRU-2	X	-.013	5
8	RRU-2	X	-.015	8
9	MP-5	X	-.043	1.5
10	MP-6	X	-.043	1.5
11	MP-7	X	-.056	1.5
12	MP-8	X	-.056	1.5
13	RRU-3	X	-.013	1
14	RRU-3	X	-.015	1
15	RRU-4	X	-.017	5
16	RRU-4	X	-.008	8
17	MP-9	X	-.031	1.5
18	MP-10	X	-.031	1.5
19	MP-11	X	-.033	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP-12	X	-.033	1.5
21	RRU-6	X	-.014	1
22	RRU-6	X	-.016	1
23	RRU-5	X	-.015	5
24	RRU-5	X	-.008	8
25	MP-1	X	-.043	8.5
26	MP-2	X	-.043	8.5
27	MP-3	X	-.056	8.5
28	MP-4	X	-.056	8.5
29	MP-5	X	-.043	8.5
30	MP-6	X	-.043	8.5
31	MP-7	X	-.056	8.5
32	MP-8	X	-.056	8.5
33	MP-9	X	-.031	8.5
34	MP-10	X	-.031	8.5
35	MP-11	X	-.033	8.5
36	MP-12	X	-.033	8.5
37	MP-1	Z	.025	1.5
38	MP-2	Z	.025	1.5
39	MP-3	Z	.032	1.5
40	MP-4	Z	.032	1.5
41	RRU-1	Z	.009	1
42	RRU-1	Z	.01	1
43	RRU-2	Z	.007	5
44	RRU-2	Z	.009	8
45	MP-5	Z	.025	1.5
46	MP-6	Z	.025	1.5
47	MP-7	Z	.032	1.5
48	MP-8	Z	.032	1.5
49	RRU-3	Z	.008	1
50	RRU-3	Z	.008	1
51	RRU-4	Z	.01	5
52	RRU-4	Z	.004	8
53	MP-9	Z	.018	1.5
54	MP-10	Z	.018	1.5
55	MP-11	Z	.019	1.5
56	MP-12	Z	.019	1.5
57	RRU-6	Z	.008	1
58	RRU-6	Z	.009	1
59	RRU-5	Z	.009	5
60	RRU-5	Z	.004	8
61	MP-1	Z	.025	8.5
62	MP-2	Z	.025	8.5
63	MP-3	Z	.032	8.5
64	MP-4	Z	.032	8.5
65	MP-5	Z	.025	8.5
66	MP-6	Z	.025	8.5
67	MP-7	Z	.032	8.5
68	MP-8	Z	.032	8.5
69	MP-9	Z	.018	8.5
70	MP-10	Z	.018	8.5
71	MP-11	Z	.019	8.5
72	MP-12	Z	.019	8.5

Member Point Loads (BLC 37 : Seismic Load X)

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.02	1.5
2	MP-2	X	-.02	1.5
3	MP-3	X	-.024	1.5
4	MP-4	X	-.024	1.5
5	RRU-1	X	-.009	1
6	RRU-1	X	-.01	1
7	RRU-2	X	-.007	5
8	RRU-2	X	-.009	8
9	MP-5	X	-.027	1.5
10	MP-6	X	-.027	1.5
11	MP-7	X	-.037	1.5
12	MP-8	X	-.037	1.5
13	RRU-3	X	-.008	1
14	RRU-3	X	-.009	1
15	RRU-4	X	-.009	5
16	RRU-4	X	-.004	8
17	MP-9	X	-.02	1.5
18	MP-10	X	-.02	1.5
19	MP-11	X	-.024	1.5
20	MP-12	X	-.024	1.5
21	RRU-6	X	-.009	1
22	RRU-6	X	-.01	1
23	RRU-5	X	-.007	5
24	RRU-5	X	-.004	8
25	MP-1	X	-.02	8.5
26	MP-2	X	-.02	8.5
27	MP-3	X	-.024	8.5
28	MP-4	X	-.024	8.5
29	MP-5	X	-.027	8.5
30	MP-6	X	-.027	8.5
31	MP-7	X	-.037	8.5
32	MP-8	X	-.037	8.5
33	MP-9	X	-.02	8.5
34	MP-10	X	-.02	8.5
35	MP-11	X	-.024	8.5
36	MP-12	X	-.024	8.5
37	MP-1	Z	.035	1.5
38	MP-2	Z	.035	1.5
39	MP-3	Z	.041	1.5
40	MP-4	Z	.041	1.5
41	RRU-1	Z	.015	1
42	RRU-1	Z	.017	1
43	RRU-2	Z	.013	5
44	RRU-2	Z	.015	8
45	MP-5	Z	.047	1.5
46	MP-6	Z	.047	1.5
47	MP-7	Z	.063	1.5
48	MP-8	Z	.063	1.5
49	RRU-3	Z	.014	1
50	RRU-3	Z	.016	1
51	RRU-4	Z	.015	5
52	RRU-4	Z	.008	8
53	MP-9	Z	.035	1.5
54	MP-10	Z	.035	1.5
55	MP-11	Z	.041	1.5
56	MP-12	Z	.041	1.5
57	RRU-6	Z	.015	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	RRU-6	Z	.017	1
59	RRU-5	Z	.013	5
60	RRU-5	Z	.008	8
61	MP-1	Z	.035	8.5
62	MP-2	Z	.035	8.5
63	MP-3	Z	.041	8.5
64	MP-4	Z	.041	8.5
65	MP-5	Z	.047	8.5
66	MP-6	Z	.047	8.5
67	MP-7	Z	.063	8.5
68	MP-8	Z	.063	8.5
69	MP-9	Z	.035	8.5
70	MP-10	Z	.035	8.5
71	MP-11	Z	.041	8.5
72	MP-12	Z	.041	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.032	1.5
2	MP-2	X	-.032	1.5
3	MP-3	X	-.04	1.5
4	MP-4	X	-.04	1.5
5	RRU-1	X	-.012	1
6	RRU-1	X	-.014	1
7	RRU-2	X	-.01	5
8	RRU-2	X	-.012	8
9	MP-5	X	-.038	1.5
10	MP-6	X	-.038	1.5
11	MP-7	X	-.05	1.5
12	MP-8	X	-.05	1.5
13	RRU-3	X	-.011	1
14	RRU-3	X	-.012	1
15	RRU-4	X	-.013	5
16	RRU-4	X	-.006	8
17	MP-9	X	-.026	1.5
18	MP-10	X	-.026	1.5
19	MP-11	X	-.029	1.5
20	MP-12	X	-.029	1.5
21	RRU-6	X	-.012	1
22	RRU-6	X	-.014	1
23	RRU-5	X	-.011	5
24	RRU-5	X	-.006	8
25	MP-1	X	-.032	8.5
26	MP-2	X	-.032	8.5
27	MP-3	X	-.04	8.5
28	MP-4	X	-.04	8.5
29	MP-5	X	-.038	8.5
30	MP-6	X	-.038	8.5
31	MP-7	X	-.05	8.5
32	MP-8	X	-.05	8.5
33	MP-9	X	-.026	8.5
34	MP-10	X	-.026	8.5
35	MP-11	X	-.029	8.5
36	MP-12	X	-.029	8.5
37	MP-1	Z	.032	1.5
38	MP-2	Z	.032	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.02	1.5
2	MP-2	X	.02	1.5
3	MP-3	X	.024	1.5
4	MP-4	X	.024	1.5
5	RRU-1	X	.008	1
6	RRU-1	X	.008	1
7	RRU-2	X	.01	5
8	RRU-2	X	.009	8
9	MP-5	X	.02	1.5
10	MP-6	X	.02	1.5
11	MP-7	X	.024	1.5
12	MP-8	X	.024	1.5
13	RRU-3	X	.009	1
14	RRU-3	X	.01	1
15	RRU-4	X	.007	5
16	RRU-4	X	.004	8
17	MP-9	X	.027	1.5
18	MP-10	X	.027	1.5
19	MP-11	X	.037	1.5
20	MP-12	X	.037	1.5
21	RRU-6	X	.008	1
22	RRU-6	X	.009	1
23	RRU-5	X	.009	5
24	RRU-5	X	.004	8
25	MP-1	X	.02	8.5
26	MP-2	X	.02	8.5
27	MP-3	X	.024	8.5
28	MP-4	X	.024	8.5
29	MP-5	X	.02	8.5
30	MP-6	X	.02	8.5
31	MP-7	X	.024	8.5
32	MP-8	X	.024	8.5
33	MP-9	X	.027	8.5
34	MP-10	X	.027	8.5
35	MP-11	X	.037	8.5
36	MP-12	X	.037	8.5
37	MP-1	Z	.035	1.5
38	MP-2	Z	.035	1.5
39	MP-3	Z	.041	1.5
40	MP-4	Z	.041	1.5
41	RRU-1	Z	.013	1
42	RRU-1	Z	.015	1
43	RRU-2	Z	.017	5
44	RRU-2	Z	.015	8
45	MP-5	Z	.035	1.5
46	MP-6	Z	.035	1.5
47	MP-7	Z	.041	1.5
48	MP-8	Z	.041	1.5
49	RRU-3	Z	.015	1
50	RRU-3	Z	.017	1
51	RRU-4	Z	.013	5
52	RRU-4	Z	.008	8
53	MP-9	Z	.047	1.5
54	MP-10	Z	.047	1.5
55	MP-11	Z	.063	1.5
56	MP-12	Z	.063	1.5
57	RRU-6	Z	.014	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	RRU-6	Z	.016	1
59	RRU-5	Z	.015	5
60	RRU-5	Z	.008	8
61	MP-1	Z	.035	8.5
62	MP-2	Z	.035	8.5
63	MP-3	Z	.041	8.5
64	MP-4	Z	.041	8.5
65	MP-5	Z	.035	8.5
66	MP-6	Z	.035	8.5
67	MP-7	Z	.041	8.5
68	MP-8	Z	.041	8.5
69	MP-9	Z	.047	8.5
70	MP-10	Z	.047	8.5
71	MP-11	Z	.063	8.5
72	MP-12	Z	.063	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.036	1.5
2	MP-2	Z	.036	1.5
3	MP-3	Z	.039	1.5
4	MP-4	Z	.039	1.5
5	RRU-1	Z	.015	1
6	RRU-1	Z	.017	1
7	RRU-2	Z	.014	5
8	RRU-2	Z	.018	8
9	MP-5	Z	.036	1.5
10	MP-6	Z	.036	1.5
11	MP-7	Z	.039	1.5
12	MP-8	Z	.039	1.5
13	RRU-3	Z	.015	1
14	RRU-3	Z	.017	1
15	RRU-4	Z	.014	5
16	RRU-4	Z	.009	8
17	MP-9	Z	.036	1.5
18	MP-10	Z	.036	1.5
19	MP-11	Z	.039	1.5
20	MP-12	Z	.039	1.5
21	RRU-6	Z	.015	1
22	RRU-6	Z	.017	1
23	RRU-5	Z	.014	5
24	RRU-5	Z	.009	8
25	MP-1	Z	.036	8.5
26	MP-2	Z	.036	8.5
27	MP-3	Z	.039	8.5
28	MP-4	Z	.039	8.5
29	MP-5	Z	.036	8.5
30	MP-6	Z	.036	8.5
31	MP-7	Z	.039	8.5
32	MP-8	Z	.039	8.5
33	MP-9	Z	.036	8.5
34	MP-10	Z	.036	8.5
35	MP-11	Z	.039	8.5
36	MP-12	Z	.039	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP-1	Z	.025	1.5
38	MP-2	Z	.025	1.5
39	MP-3	Z	.032	1.5
40	MP-4	Z	.032	1.5
41	RRU-1	Z	.008	1
42	RRU-1	Z	.008	1
43	RRU-2	Z	.01	5
44	RRU-2	Z	.009	8
45	MP-5	Z	.018	1.5
46	MP-6	Z	.018	1.5
47	MP-7	Z	.019	1.5
48	MP-8	Z	.019	1.5
49	RRU-3	Z	.008	1
50	RRU-3	Z	.009	1
51	RRU-4	Z	.009	5
52	RRU-4	Z	.004	8
53	MP-9	Z	.025	1.5
54	MP-10	Z	.025	1.5
55	MP-11	Z	.032	1.5
56	MP-12	Z	.032	1.5
57	RRU-6	Z	.008	1
58	RRU-6	Z	.008	1
59	RRU-5	Z	.01	5
60	RRU-5	Z	.004	8
61	MP-1	Z	.025	8.5
62	MP-2	Z	.025	8.5
63	MP-3	Z	.032	8.5
64	MP-4	Z	.032	8.5
65	MP-5	Z	.018	8.5
66	MP-6	Z	.018	8.5
67	MP-7	Z	.019	8.5
68	MP-8	Z	.019	8.5
69	MP-9	Z	.025	8.5
70	MP-10	Z	.025	8.5
71	MP-11	Z	.032	8.5
72	MP-12	Z	.032	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.032	1.5
2	MP-2	X	.032	1.5
3	MP-3	X	.04	1.5
4	MP-4	X	.04	1.5
5	RRU-1	X	.011	1
6	RRU-1	X	.012	1
7	RRU-2	X	.015	5
8	RRU-2	X	.012	8
9	MP-5	X	.026	1.5
10	MP-6	X	.026	1.5
11	MP-7	X	.029	1.5
12	MP-8	X	.029	1.5
13	RRU-3	X	.012	1
14	RRU-3	X	.014	1
15	RRU-4	X	.011	5
16	RRU-4	X	.006	8
17	MP-9	X	.038	1.5

RISA A NELETSOHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP-10	X	.038	1.5
19	MP-11	X	.05	1.5
20	MP-12	X	.05	1.5
21	RRU-6	X	.011	1
22	RRU-6	X	.012	1
23	RRU-5	X	.013	5
24	RRU-5	X	.006	8
25	MP-1	X	.032	8.5
26	MP-2	X	.032	8.5
27	MP-3	X	.04	8.5
28	MP-4	X	.04	8.5
29	MP-5	X	.026	8.5
30	MP-6	X	.026	8.5
31	MP-7	X	.029	8.5
32	MP-8	X	.029	8.5
33	MP-9	X	.038	8.5
34	MP-10	X	.038	8.5
35	MP-11	X	.05	8.5
36	MP-12	X	.05	8.5
37	MP-1	Z	.032	1.5
38	MP-2	Z	.032	1.5
39	MP-3	Z	.04	1.5
40	MP-4	Z	.04	1.5
41	RRU-1	Z	.011	1
42	RRU-1	Z	.012	1
43	RRU-2	Z	.015	5
44	RRU-2	Z	.012	8
45	MP-5	Z	.026	1.5
46	MP-6	Z	.026	1.5
47	MP-7	Z	.029	1.5
48	MP-8	Z	.029	1.5
49	RRU-3	Z	.012	1
50	RRU-3	Z	.014	1
51	RRU-4	Z	.011	5
52	RRU-4	Z	.006	8
53	MP-9	Z	.038	1.5
54	MP-10	Z	.038	1.5
55	MP-11	Z	.05	1.5
56	MP-12	Z	.05	1.5
57	RRU-6	Z	.011	1
58	RRU-6	Z	.012	1
59	RRU-5	Z	.013	5
60	RRU-5	Z	.006	8
61	MP-1	Z	.032	8.5
62	MP-2	Z	.032	8.5
63	MP-3	Z	.04	8.5
64	MP-4	Z	.04	8.5
65	MP-5	Z	.026	8.5
66	MP-6	Z	.026	8.5
67	MP-7	Z	.029	8.5
68	MP-8	Z	.029	8.5
69	MP-9	Z	.038	8.5
70	MP-10	Z	.038	8.5
71	MP-11	Z	.05	8.5
72	MP-12	Z	.05	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP-3	Z	-.032	1.5
40	MP-4	Z	-.032	1.5
41	RRU-1	Z	-.009	1
42	RRU-1	Z	-.01	1
43	RRU-2	Z	-.007	5
44	RRU-2	Z	-.009	8
45	MP-5	Z	-.025	1.5
46	MP-6	Z	-.025	1.5
47	MP-7	Z	-.032	1.5
48	MP-8	Z	-.032	1.5
49	RRU-3	Z	-.008	1
50	RRU-3	Z	-.008	1
51	RRU-4	Z	-.01	5
52	RRU-4	Z	-.004	8
53	MP-9	Z	-.018	1.5
54	MP-10	Z	-.018	1.5
55	MP-11	Z	-.019	1.5
56	MP-12	Z	-.019	1.5
57	RRU-6	Z	-.008	1
58	RRU-6	Z	-.009	1
59	RRU-5	Z	-.009	5
60	RRU-5	Z	-.004	8
61	MP-1	Z	-.025	8.5
62	MP-2	Z	-.025	8.5
63	MP-3	Z	-.032	8.5
64	MP-4	Z	-.032	8.5
65	MP-5	Z	-.025	8.5
66	MP-6	Z	-.025	8.5
67	MP-7	Z	-.032	8.5
68	MP-8	Z	-.032	8.5
69	MP-9	Z	-.018	8.5
70	MP-10	Z	-.018	8.5
71	MP-11	Z	-.019	8.5
72	MP-12	Z	-.019	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.055	1.5
2	MP-2	X	.055	1.5
3	MP-3	X	.073	1.5
4	MP-4	X	.073	1.5
5	RRU-1	X	.017	1
6	RRU-1	X	.02	1
7	RRU-2	X	.021	5
8	RRU-2	X	.018	8
9	MP-5	X	.055	1.5
10	MP-6	X	.055	1.5
11	MP-7	X	.073	1.5
12	MP-8	X	.073	1.5
13	RRU-3	X	.017	1
14	RRU-3	X	.02	1
15	RRU-4	X	.021	5
16	RRU-4	X	.009	8
17	MP-9	X	.055	1.5
18	MP-10	X	.055	1.5
19	MP-11	X	.073	1.5

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP-12	X	.073	1.5
21	RRU-6	X	.017	1
22	RRU-6	X	.02	1
23	RRU-5	X	.021	5
24	RRU-5	X	.009	8
25	MP-1	X	.055	8.5
26	MP-2	X	.055	8.5
27	MP-3	X	.073	8.5
28	MP-4	X	.073	8.5
29	MP-5	X	.055	8.5
30	MP-6	X	.055	8.5
31	MP-7	X	.073	8.5
32	MP-8	X	.073	8.5
33	MP-9	X	.055	8.5
34	MP-10	X	.055	8.5
35	MP-11	X	.073	8.5
36	MP-12	X	.073	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.043	1.5
2	MP-2	X	.043	1.5
3	MP-3	X	.056	1.5
4	MP-4	X	.056	1.5
5	RRU-1	X	.013	1
6	RRU-1	X	.015	1
7	RRU-2	X	.017	5
8	RRU-2	X	.015	8
9	MP-5	X	.031	1.5
10	MP-6	X	.031	1.5
11	MP-7	X	.033	1.5
12	MP-8	X	.033	1.5
13	RRU-3	X	.014	1
14	RRU-3	X	.016	1
15	RRU-4	X	.015	5
16	RRU-4	X	.008	8
17	MP-9	X	.043	1.5
18	MP-10	X	.043	1.5
19	MP-11	X	.056	1.5
20	MP-12	X	.056	1.5
21	RRU-6	X	.013	1
22	RRU-6	X	.015	1
23	RRU-5	X	.017	5
24	RRU-5	X	.008	8
25	MP-1	X	.043	8.5
26	MP-2	X	.043	8.5
27	MP-3	X	.056	8.5
28	MP-4	X	.056	8.5
29	MP-5	X	.031	8.5
30	MP-6	X	.031	8.5
31	MP-7	X	.033	8.5
32	MP-8	X	.033	8.5
33	MP-9	X	.043	8.5
34	MP-10	X	.043	8.5
35	MP-11	X	.056	8.5
36	MP-12	X	.056	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.032	1.5
2	MP-2	X	.032	1.5
3	MP-3	X	.04	1.5
4	MP-4	X	.04	1.5
5	RRU-1	X	.012	1
6	RRU-1	X	.014	1
7	RRU-2	X	.01	5
8	RRU-2	X	.012	8
9	MP-5	X	.038	1.5
10	MP-6	X	.038	1.5
11	MP-7	X	.05	1.5
12	MP-8	X	.05	1.5
13	RRU-3	X	.011	1
14	RRU-3	X	.012	1
15	RRU-4	X	.013	5
16	RRU-4	X	.006	8
17	MP-9	X	.026	1.5
18	MP-10	X	.026	1.5
19	MP-11	X	.029	1.5
20	MP-12	X	.029	1.5
21	RRU-6	X	.012	1
22	RRU-6	X	.014	1
23	RRU-5	X	.011	5
24	RRU-5	X	.006	8
25	MP-1	X	.032	8.5
26	MP-2	X	.032	8.5
27	MP-3	X	.04	8.5
28	MP-4	X	.04	8.5
29	MP-5	X	.038	8.5
30	MP-6	X	.038	8.5
31	MP-7	X	.05	8.5
32	MP-8	X	.05	8.5
33	MP-9	X	.026	8.5
34	MP-10	X	.026	8.5
35	MP-11	X	.029	8.5
36	MP-12	X	.029	8.5
37	MP-1	Z	-.032	1.5
38	MP-2	Z	-.032	1.5
39	MP-3	Z	-.04	1.5
40	MP-4	Z	-.04	1.5
41	RRU-1	Z	-.012	1
42	RRU-1	Z	-.014	1
43	RRU-2	Z	-.01	5
44	RRU-2	Z	-.012	8
45	MP-5	Z	-.038	1.5
46	MP-6	Z	-.038	1.5
47	MP-7	Z	-.05	1.5
48	MP-8	Z	-.05	1.5
49	RRU-3	Z	-.011	1
50	RRU-3	Z	-.012	1
51	RRU-4	Z	-.013	5
52	RRU-4	Z	-.006	8
53	MP-9	Z	-.026	1.5
54	MP-10	Z	-.026	1.5
55	MP-11	Z	-.029	1.5
56	MP-12	Z	-.029	1.5
57	RRU-6	Z	-.012	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	RRU-6	Z	-.014	1
59	RRU-5	Z	-.011	5
60	RRU-5	Z	-.006	8
61	MP-1	Z	-.032	8.5
62	MP-2	Z	-.032	8.5
63	MP-3	Z	-.04	8.5
64	MP-4	Z	-.04	8.5
65	MP-5	Z	-.038	8.5
66	MP-6	Z	-.038	8.5
67	MP-7	Z	-.05	8.5
68	MP-8	Z	-.05	8.5
69	MP-9	Z	-.026	8.5
70	MP-10	Z	-.026	8.5
71	MP-11	Z	-.029	8.5
72	MP-12	Z	-.029	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.043	1.5
2	MP-2	X	.043	1.5
3	MP-3	X	.056	1.5
4	MP-4	X	.056	1.5
5	RRU-1	X	.015	1
6	RRU-1	X	.017	1
7	RRU-2	X	.013	5
8	RRU-2	X	.015	8
9	MP-5	X	.043	1.5
10	MP-6	X	.043	1.5
11	MP-7	X	.056	1.5
12	MP-8	X	.056	1.5
13	RRU-3	X	.013	1
14	RRU-3	X	.015	1
15	RRU-4	X	.017	5
16	RRU-4	X	.008	8
17	MP-9	X	.031	1.5
18	MP-10	X	.031	1.5
19	MP-11	X	.033	1.5
20	MP-12	X	.033	1.5
21	RRU-6	X	.014	1
22	RRU-6	X	.016	1
23	RRU-5	X	.015	5
24	RRU-5	X	.008	8
25	MP-1	X	.043	8.5
26	MP-2	X	.043	8.5
27	MP-3	X	.056	8.5
28	MP-4	X	.056	8.5
29	MP-5	X	.043	8.5
30	MP-6	X	.043	8.5
31	MP-7	X	.056	8.5
32	MP-8	X	.056	8.5
33	MP-9	X	.031	8.5
34	MP-10	X	.031	8.5
35	MP-11	X	.033	8.5
36	MP-12	X	.033	8.5
37	MP-1	Z	-.025	1.5
38	MP-2	Z	-.025	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.036	1.5
2	MP-2	Z	-.036	1.5
3	MP-3	Z	-.039	1.5
4	MP-4	Z	-.039	1.5
5	RRU-1	Z	-.015	1
6	RRU-1	Z	-.017	1
7	RRU-2	Z	-.014	5
8	RRU-2	Z	-.018	8
9	MP-5	Z	-.036	1.5
10	MP-6	Z	-.036	1.5
11	MP-7	Z	-.039	1.5
12	MP-8	Z	-.039	1.5
13	RRU-3	Z	-.015	1
14	RRU-3	Z	-.017	1
15	RRU-4	Z	-.014	5
16	RRU-4	Z	-.009	8
17	MP-9	Z	-.036	1.5
18	MP-10	Z	-.036	1.5
19	MP-11	Z	-.039	1.5
20	MP-12	Z	-.039	1.5
21	RRU-6	Z	-.015	1
22	RRU-6	Z	-.017	1
23	RRU-5	Z	-.014	5
24	RRU-5	Z	-.009	8
25	MP-1	Z	-.036	8.5
26	MP-2	Z	-.036	8.5
27	MP-3	Z	-.039	8.5
28	MP-4	Z	-.039	8.5
29	MP-5	Z	-.036	8.5
30	MP-6	Z	-.036	8.5
31	MP-7	Z	-.039	8.5
32	MP-8	Z	-.039	8.5
33	MP-9	Z	-.036	8.5
34	MP-10	Z	-.036	8.5
35	MP-11	Z	-.039	8.5
36	MP-12	Z	-.039	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.02	1.5
2	MP-2	X	.02	1.5
3	MP-3	X	.024	1.5
4	MP-4	X	.024	1.5
5	RRU-1	X	.009	1
6	RRU-1	X	.01	1
7	RRU-2	X	.007	5
8	RRU-2	X	.009	8
9	MP-5	X	.027	1.5
10	MP-6	X	.027	1.5
11	MP-7	X	.037	1.5
12	MP-8	X	.037	1.5
13	RRU-3	X	.008	1
14	RRU-3	X	.009	1
15	RRU-4	X	.009	5
16	RRU-4	X	.004	8
17	MP-9	X	.02	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP-10	X	.02	1.5
19	MP-11	X	.024	1.5
20	MP-12	X	.024	1.5
21	RRU-6	X	.009	1
22	RRU-6	X	.01	1
23	RRU-5	X	.007	5
24	RRU-5	X	.004	8
25	MP-1	X	.02	8.5
26	MP-2	X	.02	8.5
27	MP-3	X	.024	8.5
28	MP-4	X	.024	8.5
29	MP-5	X	.027	8.5
30	MP-6	X	.027	8.5
31	MP-7	X	.037	8.5
32	MP-8	X	.037	8.5
33	MP-9	X	.02	8.5
34	MP-10	X	.02	8.5
35	MP-11	X	.024	8.5
36	MP-12	X	.024	8.5
37	MP-1	Z	-.035	1.5
38	MP-2	Z	-.035	1.5
39	MP-3	Z	-.041	1.5
40	MP-4	Z	-.041	1.5
41	RRU-1	Z	-.015	1
42	RRU-1	Z	-.017	1
43	RRU-2	Z	-.013	5
44	RRU-2	Z	-.015	8
45	MP-5	Z	-.047	1.5
46	MP-6	Z	-.047	1.5
47	MP-7	Z	-.063	1.5
48	MP-8	Z	-.063	1.5
49	RRU-3	Z	-.014	1
50	RRU-3	Z	-.016	1
51	RRU-4	Z	-.015	5
52	RRU-4	Z	-.008	8
53	MP-9	Z	-.035	1.5
54	MP-10	Z	-.035	1.5
55	MP-11	Z	-.041	1.5
56	MP-12	Z	-.041	1.5
57	RRU-6	Z	-.015	1
58	RRU-6	Z	-.017	1
59	RRU-5	Z	-.013	5
60	RRU-5	Z	-.008	8
61	MP-1	Z	-.035	8.5
62	MP-2	Z	-.035	8.5
63	MP-3	Z	-.041	8.5
64	MP-4	Z	-.041	8.5
65	MP-5	Z	-.047	8.5
66	MP-6	Z	-.047	8.5
67	MP-7	Z	-.063	8.5
68	MP-8	Z	-.063	8.5
69	MP-9	Z	-.035	8.5
70	MP-10	Z	-.035	8.5
71	MP-11	Z	-.041	8.5
72	MP-12	Z	-.041	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP-3	Z	-.04	1.5
40	MP-4	Z	-.04	1.5
41	RRU-1	Z	-.011	1
42	RRU-1	Z	-.012	1
43	RRU-2	Z	-.015	5
44	RRU-2	Z	-.012	8
45	MP-5	Z	-.026	1.5
46	MP-6	Z	-.026	1.5
47	MP-7	Z	-.029	1.5
48	MP-8	Z	-.029	1.5
49	RRU-3	Z	-.012	1
50	RRU-3	Z	-.014	1
51	RRU-4	Z	-.011	5
52	RRU-4	Z	-.006	8
53	MP-9	Z	-.038	1.5
54	MP-10	Z	-.038	1.5
55	MP-11	Z	-.05	1.5
56	MP-12	Z	-.05	1.5
57	RRU-6	Z	-.011	1
58	RRU-6	Z	-.012	1
59	RRU-5	Z	-.013	5
60	RRU-5	Z	-.006	8
61	MP-1	Z	-.032	8.5
62	MP-2	Z	-.032	8.5
63	MP-3	Z	-.04	8.5
64	MP-4	Z	-.04	8.5
65	MP-5	Z	-.026	8.5
66	MP-6	Z	-.026	8.5
67	MP-7	Z	-.029	8.5
68	MP-8	Z	-.029	8.5
69	MP-9	Z	-.038	8.5
70	MP-10	Z	-.038	8.5
71	MP-11	Z	-.05	8.5
72	MP-12	Z	-.05	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.02	1.5
2	MP-2	X	-.02	1.5
3	MP-3	X	-.024	1.5
4	MP-4	X	-.024	1.5
5	RRU-1	X	-.008	1
6	RRU-1	X	-.008	1
7	RRU-2	X	-.01	5
8	RRU-2	X	-.009	8
9	MP-5	X	-.02	1.5
10	MP-6	X	-.02	1.5
11	MP-7	X	-.024	1.5
12	MP-8	X	-.024	1.5
13	RRU-3	X	-.009	1
14	RRU-3	X	-.01	1
15	RRU-4	X	-.007	5
16	RRU-4	X	-.004	8
17	MP-9	X	-.027	1.5
18	MP-10	X	-.027	1.5
19	MP-11	X	-.037	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP-12	X	-.037	1.5
21	RRU-6	X	-.008	1
22	RRU-6	X	-.009	1
23	RRU-5	X	-.009	5
24	RRU-5	X	-.004	8
25	MP-1	X	-.02	8.5
26	MP-2	X	-.02	8.5
27	MP-3	X	-.024	8.5
28	MP-4	X	-.024	8.5
29	MP-5	X	-.02	8.5
30	MP-6	X	-.02	8.5
31	MP-7	X	-.024	8.5
32	MP-8	X	-.024	8.5
33	MP-9	X	-.027	8.5
34	MP-10	X	-.027	8.5
35	MP-11	X	-.037	8.5
36	MP-12	X	-.037	8.5
37	MP-1	Z	-.035	1.5
38	MP-2	Z	-.035	1.5
39	MP-3	Z	-.041	1.5
40	MP-4	Z	-.041	1.5
41	RRU-1	Z	-.013	1
42	RRU-1	Z	-.015	1
43	RRU-2	Z	-.017	5
44	RRU-2	Z	-.015	8
45	MP-5	Z	-.035	1.5
46	MP-6	Z	-.035	1.5
47	MP-7	Z	-.041	1.5
48	MP-8	Z	-.041	1.5
49	RRU-3	Z	-.015	1
50	RRU-3	Z	-.017	1
51	RRU-4	Z	-.013	5
52	RRU-4	Z	-.008	8
53	MP-9	Z	-.047	1.5
54	MP-10	Z	-.047	1.5
55	MP-11	Z	-.063	1.5
56	MP-12	Z	-.063	1.5
57	RRU-6	Z	-.014	1
58	RRU-6	Z	-.016	1
59	RRU-5	Z	-.015	5
60	RRU-5	Z	-.008	8
61	MP-1	Z	-.035	8.5
62	MP-2	Z	-.035	8.5
63	MP-3	Z	-.041	8.5
64	MP-4	Z	-.041	8.5
65	MP-5	Z	-.035	8.5
66	MP-6	Z	-.035	8.5
67	MP-7	Z	-.041	8.5
68	MP-8	Z	-.041	8.5
69	MP-9	Z	-.047	8.5
70	MP-10	Z	-.047	8.5
71	MP-11	Z	-.063	8.5
72	MP-12	Z	-.063	8.5

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.043	1.5
2	MP-2	X	-.043	1.5
3	MP-3	X	-.056	1.5
4	MP-4	X	-.056	1.5
5	RRU-1	X	-.013	1
6	RRU-1	X	-.015	1
7	RRU-2	X	-.017	5
8	RRU-2	X	-.015	8
9	MP-5	X	-.031	1.5
10	MP-6	X	-.031	1.5
11	MP-7	X	-.033	1.5
12	MP-8	X	-.033	1.5
13	RRU-3	X	-.014	1
14	RRU-3	X	-.016	1
15	RRU-4	X	-.015	5
16	RRU-4	X	-.008	8
17	MP-9	X	-.043	1.5
18	MP-10	X	-.043	1.5
19	MP-11	X	-.056	1.5
20	MP-12	X	-.056	1.5
21	RRU-6	X	-.013	1
22	RRU-6	X	-.015	1
23	RRU-5	X	-.017	5
24	RRU-5	X	-.008	8
25	MP-1	X	-.043	8.5
26	MP-2	X	-.043	8.5
27	MP-3	X	-.056	8.5
28	MP-4	X	-.056	8.5
29	MP-5	X	-.031	8.5
30	MP-6	X	-.031	8.5
31	MP-7	X	-.033	8.5
32	MP-8	X	-.033	8.5
33	MP-9	X	-.043	8.5
34	MP-10	X	-.043	8.5
35	MP-11	X	-.056	8.5
36	MP-12	X	-.056	8.5
37	MP-1	Z	-.025	1.5
38	MP-2	Z	-.025	1.5
39	MP-3	Z	-.032	1.5
40	MP-4	Z	-.032	1.5
41	RRU-1	Z	-.008	1
42	RRU-1	Z	-.008	1
43	RRU-2	Z	-.01	5
44	RRU-2	Z	-.009	8
45	MP-5	Z	-.018	1.5
46	MP-6	Z	-.018	1.5
47	MP-7	Z	-.019	1.5
48	MP-8	Z	-.019	1.5
49	RRU-3	Z	-.008	1
50	RRU-3	Z	-.009	1
51	RRU-4	Z	-.009	5
52	RRU-4	Z	-.004	8
53	MP-9	Z	-.025	1.5
54	MP-10	Z	-.025	1.5
55	MP-11	Z	-.032	1.5
56	MP-12	Z	-.032	1.5
57	RRU-6	Z	-.008	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	RRU-6	Z	-.008	1
59	RRU-5	Z	-.01	5
60	RRU-5	Z	-.004	8
61	MP-1	Z	-.025	8.5
62	MP-2	Z	-.025	8.5
63	MP-3	Z	-.032	8.5
64	MP-4	Z	-.032	8.5
65	MP-5	Z	-.018	8.5
66	MP-6	Z	-.018	8.5
67	MP-7	Z	-.019	8.5
68	MP-8	Z	-.019	8.5
69	MP-9	Z	-.025	8.5
70	MP-10	Z	-.025	8.5
71	MP-11	Z	-.032	8.5
72	MP-12	Z	-.032	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.032	1.5
2	MP-2	X	-.032	1.5
3	MP-3	X	-.04	1.5
4	MP-4	X	-.04	1.5
5	RRU-1	X	-.011	1
6	RRU-1	X	-.012	1
7	RRU-2	X	-.015	5
8	RRU-2	X	-.012	8
9	MP-5	X	-.026	1.5
10	MP-6	X	-.026	1.5
11	MP-7	X	-.029	1.5
12	MP-8	X	-.029	1.5
13	RRU-3	X	-.012	1
14	RRU-3	X	-.014	1
15	RRU-4	X	-.011	5
16	RRU-4	X	-.006	8
17	MP-9	X	-.038	1.5
18	MP-10	X	-.038	1.5
19	MP-11	X	-.05	1.5
20	MP-12	X	-.05	1.5
21	RRU-6	X	-.011	1
22	RRU-6	X	-.012	1
23	RRU-5	X	-.013	5
24	RRU-5	X	-.006	8
25	MP-1	X	-.032	8.5
26	MP-2	X	-.032	8.5
27	MP-3	X	-.04	8.5
28	MP-4	X	-.04	8.5
29	MP-5	X	-.026	8.5
30	MP-6	X	-.026	8.5
31	MP-7	X	-.029	8.5
32	MP-8	X	-.029	8.5
33	MP-9	X	-.038	8.5
34	MP-10	X	-.038	8.5
35	MP-11	X	-.05	8.5
36	MP-12	X	-.05	8.5
37	MP-1	Z	-.032	1.5
38	MP-2	Z	-.032	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP-3	Z	.152	1.5
40	MP-4	Z	.152	1.5
41	RRU-1	Z	.031	1
42	RRU-1	Z	.038	1
43	RRU-2	Z	.025	5
44	RRU-2	Z	.033	8
45	MP-5	Z	.113	1.5
46	MP-6	Z	.113	1.5
47	MP-7	Z	.152	1.5
48	MP-8	Z	.152	1.5
49	RRU-3	Z	.027	1
50	RRU-3	Z	.031	1
51	RRU-4	Z	.038	5
52	RRU-4	Z	.017	8
53	MP-9	Z	.073	1.5
54	MP-10	Z	.073	1.5
55	MP-11	Z	.08	1.5
56	MP-12	Z	.08	1.5
57	RRU-6	Z	.029	1
58	RRU-6	Z	.034	1
59	RRU-5	Z	.032	5
60	RRU-5	Z	.017	8
61	MP-1	Z	.113	8.5
62	MP-2	Z	.113	8.5
63	MP-3	Z	.152	8.5
64	MP-4	Z	.152	8.5
65	MP-5	Z	.113	8.5
66	MP-6	Z	.113	8.5
67	MP-7	Z	.152	8.5
68	MP-8	Z	.152	8.5
69	MP-9	Z	.073	8.5
70	MP-10	Z	.073	8.5
71	MP-11	Z	.08	8.5
72	MP-12	Z	.08	8.5

Member Point Loads (BLC 18 : Ice Weight)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.139	1.5
2	MP-2	Y	-.139	1.5
3	MP-3	Y	-.182	1.5
4	MP-4	Y	-.182	1.5
5	RRU-1	Y	-.07	1
6	RRU-1	Y	-.077	1
7	RRU-2	Y	-.07	5
8	RRU-2	Y	-.111	8
9	MP-5	Y	-.139	1.5
10	MP-6	Y	-.139	1.5
11	MP-7	Y	-.182	1.5
12	MP-8	Y	-.182	1.5
13	RRU-3	Y	-.07	1
14	RRU-3	Y	-.077	1
15	RRU-4	Y	-.07	5
16	RRU-4	Y	-.055	8
17	MP-9	Y	-.139	1.5
18	MP-10	Y	-.139	1.5
19	MP-11	Y	-.182	1.5

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
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Member Point Loads (BLC 18 : Ice Weight) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP-12	Y	-.182	1.5
21	RRU-6	Y	-.07	1
22	RRU-6	Y	-.077	1
23	RRU-5	Y	-.07	5
24	RRU-5	Y	-.055	8
25	MP-1	Y	-.139	8.5
26	MP-2	Y	-.139	8.5
27	MP-3	Y	-.182	8.5
28	MP-4	Y	-.182	8.5
29	MP-5	Y	-.139	8.5
30	MP-6	Y	-.139	8.5
31	MP-7	Y	-.182	8.5
32	MP-8	Y	-.182	8.5
33	MP-9	Y	-.139	8.5
34	MP-10	Y	-.139	8.5
35	MP-11	Y	-.182	8.5
36	MP-12	Y	-.182	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.055	1.5
2	MP-2	X	-.055	1.5
3	MP-3	X	-.073	1.5
4	MP-4	X	-.073	1.5
5	RRU-1	X	-.017	1
6	RRU-1	X	-.02	1
7	RRU-2	X	-.021	5
8	RRU-2	X	-.018	8
9	MP-5	X	-.055	1.5
10	MP-6	X	-.055	1.5
11	MP-7	X	-.073	1.5
12	MP-8	X	-.073	1.5
13	RRU-3	X	-.017	1
14	RRU-3	X	-.02	1
15	RRU-4	X	-.021	5
16	RRU-4	X	-.009	8
17	MP-9	X	-.055	1.5
18	MP-10	X	-.055	1.5
19	MP-11	X	-.073	1.5
20	MP-12	X	-.073	1.5
21	RRU-6	X	-.017	1
22	RRU-6	X	-.02	1
23	RRU-5	X	-.021	5
24	RRU-5	X	-.009	8
25	MP-1	X	-.055	8.5
26	MP-2	X	-.055	8.5
27	MP-3	X	-.073	8.5
28	MP-4	X	-.073	8.5
29	MP-5	X	-.055	8.5
30	MP-6	X	-.055	8.5
31	MP-7	X	-.073	8.5
32	MP-8	X	-.073	8.5
33	MP-9	X	-.055	8.5
34	MP-10	X	-.055	8.5
35	MP-11	X	-.073	8.5
36	MP-12	X	-.073	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.141	1.5
2	MP-2	X	-.141	1.5
3	MP-3	X	-.181	1.5
4	MP-4	X	-.181	1.5
5	RRU-1	X	-.045	1
6	RRU-1	X	-.054	1
7	RRU-2	X	-.034	5
8	RRU-2	X	-.047	8
9	MP-5	X	-.173	1.5
10	MP-6	X	-.173	1.5
11	MP-7	X	-.239	1.5
12	MP-8	X	-.239	1.5
13	RRU-3	X	-.039	1
14	RRU-3	X	-.045	1
15	RRU-4	X	-.05	5
16	RRU-4	X	-.023	8
17	MP-9	X	-.108	1.5
18	MP-10	X	-.108	1.5
19	MP-11	X	-.122	1.5
20	MP-12	X	-.122	1.5
21	RRU-6	X	-.043	1
22	RRU-6	X	-.051	1
23	RRU-5	X	-.04	5
24	RRU-5	X	-.023	8
25	MP-1	X	-.141	8.5
26	MP-2	X	-.141	8.5
27	MP-3	X	-.181	8.5
28	MP-4	X	-.181	8.5
29	MP-5	X	-.173	8.5
30	MP-6	X	-.173	8.5
31	MP-7	X	-.239	8.5
32	MP-8	X	-.239	8.5
33	MP-9	X	-.108	8.5
34	MP-10	X	-.108	8.5
35	MP-11	X	-.122	8.5
36	MP-12	X	-.122	8.5
37	MP-1	Z	.141	1.5
38	MP-2	Z	.141	1.5
39	MP-3	Z	.181	1.5
40	MP-4	Z	.181	1.5
41	RRU-1	Z	.045	1
42	RRU-1	Z	.054	1
43	RRU-2	Z	.034	5
44	RRU-2	Z	.047	8
45	MP-5	Z	.173	1.5
46	MP-6	Z	.173	1.5
47	MP-7	Z	.239	1.5
48	MP-8	Z	.239	1.5
49	RRU-3	Z	.039	1
50	RRU-3	Z	.045	1
51	RRU-4	Z	.05	5
52	RRU-4	Z	.023	8
53	MP-9	Z	.108	1.5
54	MP-10	Z	.108	1.5
55	MP-11	Z	.122	1.5
56	MP-12	Z	.122	1.5
57	RRU-6	Z	.043	1

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
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Member Point Loads (BLC 16 : 315 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	RRU-6	Z	.051	1
59	RRU-5	Z	.04	5
60	RRU-5	Z	.023	8
61	MP-1	Z	.141	8.5
62	MP-2	Z	.141	8.5
63	MP-3	Z	.181	8.5
64	MP-4	Z	.181	8.5
65	MP-5	Z	.173	8.5
66	MP-6	Z	.173	8.5
67	MP-7	Z	.239	8.5
68	MP-8	Z	.239	8.5
69	MP-9	Z	.108	8.5
70	MP-10	Z	.108	8.5
71	MP-11	Z	.122	8.5
72	MP-12	Z	.122	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.195	1.5
2	MP-2	X	-.195	1.5
3	MP-3	X	-.263	1.5
4	MP-4	X	-.263	1.5
5	RRU-1	X	-.055	1
6	RRU-1	X	-.065	1
7	RRU-2	X	-.044	5
8	RRU-2	X	-.057	8
9	MP-5	X	-.195	1.5
10	MP-6	X	-.195	1.5
11	MP-7	X	-.263	1.5
12	MP-8	X	-.263	1.5
13	RRU-3	X	-.046	1
14	RRU-3	X	-.053	1
15	RRU-4	X	-.066	5
16	RRU-4	X	-.029	8
17	MP-9	X	-.126	1.5
18	MP-10	X	-.126	1.5
19	MP-11	X	-.138	1.5
20	MP-12	X	-.138	1.5
21	RRU-6	X	-.05	1
22	RRU-6	X	-.059	1
23	RRU-5	X	-.055	5
24	RRU-5	X	-.029	8
25	MP-1	X	-.195	8.5
26	MP-2	X	-.195	8.5
27	MP-3	X	-.263	8.5
28	MP-4	X	-.263	8.5
29	MP-5	X	-.195	8.5
30	MP-6	X	-.195	8.5
31	MP-7	X	-.263	8.5
32	MP-8	X	-.263	8.5
33	MP-9	X	-.126	8.5
34	MP-10	X	-.126	8.5
35	MP-11	X	-.138	8.5
36	MP-12	X	-.138	8.5
37	MP-1	Z	.113	1.5
38	MP-2	Z	.113	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
2	MP-2	Z	.146	1.5
3	MP-3	Z	.159	1.5
4	MP-4	Z	.159	1.5
5	RRU-1	Z	.058	1
6	RRU-1	Z	.068	1
7	RRU-2	Z	.064	5
8	RRU-2	Z	.066	8
9	MP-5	Z	.226	1.5
10	MP-6	Z	.226	1.5
11	MP-7	Z	.303	1.5
12	MP-8	Z	.303	1.5
13	RRU-3	Z	.063	1
14	RRU-3	Z	.075	1
15	RRU-4	Z	.051	5
16	RRU-4	Z	.033	8
17	MP-9	Z	.226	1.5
18	MP-10	Z	.226	1.5
19	MP-11	Z	.303	1.5
20	MP-12	Z	.303	1.5
21	RRU-6	Z	.063	1
22	RRU-6	Z	.075	1
23	RRU-5	Z	.051	5
24	RRU-5	Z	.033	8
25	MP-1	Z	.146	8.5
26	MP-2	Z	.146	8.5
27	MP-3	Z	.159	8.5
28	MP-4	Z	.159	8.5
29	MP-5	Z	.226	8.5
30	MP-6	Z	.226	8.5
31	MP-7	Z	.303	8.5
32	MP-8	Z	.303	8.5
33	MP-9	Z	.226	8.5
34	MP-10	Z	.226	8.5
35	MP-11	Z	.303	8.5
36	MP-12	Z	.303	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.086	1.5
2	MP-2	X	-.086	1.5
3	MP-3	X	-.104	1.5
4	MP-4	X	-.104	1.5
5	RRU-1	X	-.031	1
6	RRU-1	X	-.038	1
7	RRU-2	X	-.025	5
8	RRU-2	X	-.033	8
9	MP-5	X	-.126	1.5
10	MP-6	X	-.126	1.5
11	MP-7	X	-.176	1.5
12	MP-8	X	-.176	1.5
13	RRU-3	X	-.029	1
14	RRU-3	X	-.034	1
15	RRU-4	X	-.032	5
16	RRU-4	X	-.017	8
17	MP-9	X	-.086	1.5
18	MP-10	X	-.086	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
19	MP-11	X	-.104	1.5
20	MP-12	X	-.104	1.5
21	RRU-6	X	-.031	1
22	RRU-6	X	-.038	1
23	RRU-5	X	-.025	5
24	RRU-5	X	-.017	8
25	MP-1	X	-.086	8.5
26	MP-2	X	-.086	8.5
27	MP-3	X	-.104	8.5
28	MP-4	X	-.104	8.5
29	MP-5	X	-.126	8.5
30	MP-6	X	-.126	8.5
31	MP-7	X	-.176	8.5
32	MP-8	X	-.176	8.5
33	MP-9	X	-.086	8.5
34	MP-10	X	-.086	8.5
35	MP-11	X	-.104	8.5
36	MP-12	X	-.104	8.5
37	MP-1	Z	.149	1.5
38	MP-2	Z	.149	1.5
39	MP-3	Z	.18	1.5
40	MP-4	Z	.18	1.5
41	RRU-1	Z	.055	1
42	RRU-1	Z	.065	1
43	RRU-2	Z	.044	5
44	RRU-2	Z	.057	8
45	MP-5	Z	.218	1.5
46	MP-6	Z	.218	1.5
47	MP-7	Z	.304	1.5
48	MP-8	Z	.304	1.5
49	RRU-3	Z	.05	1
50	RRU-3	Z	.059	1
51	RRU-4	Z	.055	5
52	RRU-4	Z	.029	8
53	MP-9	Z	.149	1.5
54	MP-10	Z	.149	1.5
55	MP-11	Z	.18	1.5
56	MP-12	Z	.18	1.5
57	RRU-6	Z	.055	1
58	RRU-6	Z	.065	1
59	RRU-5	Z	.044	5
60	RRU-5	Z	.029	8
61	MP-1	Z	.149	8.5
62	MP-2	Z	.149	8.5
63	MP-3	Z	.18	8.5
64	MP-4	Z	.18	8.5
65	MP-5	Z	.218	8.5
66	MP-6	Z	.218	8.5
67	MP-7	Z	.304	8.5
68	MP-8	Z	.304	8.5
69	MP-9	Z	.149	8.5
70	MP-10	Z	.149	8.5
71	MP-11	Z	.18	8.5
72	MP-12	Z	.18	8.5

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
40	MP-4	Z	.181	1.5
41	RRU-1	Z	.037	1
42	RRU-1	Z	.043	1
43	RRU-2	Z	.056	5
44	RRU-2	Z	.047	8
45	MP-5	Z	.108	1.5
46	MP-6	Z	.108	1.5
47	MP-7	Z	.122	1.5
48	MP-8	Z	.122	1.5
49	RRU-3	Z	.043	1
50	RRU-3	Z	.051	1
51	RRU-4	Z	.04	5
52	RRU-4	Z	.023	8
53	MP-9	Z	.173	1.5
54	MP-10	Z	.173	1.5
55	MP-11	Z	.239	1.5
56	MP-12	Z	.239	1.5
57	RRU-6	Z	.039	1
58	RRU-6	Z	.045	1
59	RRU-5	Z	.05	5
60	RRU-5	Z	.023	8
61	MP-1	Z	.141	8.5
62	MP-2	Z	.141	8.5
63	MP-3	Z	.181	8.5
64	MP-4	Z	.181	8.5
65	MP-5	Z	.108	8.5
66	MP-6	Z	.108	8.5
67	MP-7	Z	.122	8.5
68	MP-8	Z	.122	8.5
69	MP-9	Z	.173	8.5
70	MP-10	Z	.173	8.5
71	MP-11	Z	.239	8.5
72	MP-12	Z	.239	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.086	1.5
2	MP-2	X	.086	1.5
3	MP-3	X	.104	1.5
4	MP-4	X	.104	1.5
5	RRU-1	X	.027	1
6	RRU-1	X	.031	1
7	RRU-2	X	.038	5
8	RRU-2	X	.033	8
9	MP-5	X	.086	1.5
10	MP-6	X	.086	1.5
11	MP-7	X	.104	1.5
12	MP-8	X	.104	1.5
13	RRU-3	X	.031	1
14	RRU-3	X	.038	1
15	RRU-4	X	.025	5
16	RRU-4	X	.017	8
17	MP-9	X	.126	1.5
18	MP-10	X	.126	1.5
19	MP-11	X	.176	1.5
20	MP-12	X	.176	1.5

Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
21	RRU-6	X	.029	1
22	RRU-6	X	.034	1
23	RRU-5	X	.032	5
24	RRU-5	X	.017	8
25	MP-1	X	.086	8.5
26	MP-2	X	.086	8.5
27	MP-3	X	.104	8.5
28	MP-4	X	.104	8.5
29	MP-5	X	.086	8.5
30	MP-6	X	.086	8.5
31	MP-7	X	.104	8.5
32	MP-8	X	.104	8.5
33	MP-9	X	.126	8.5
34	MP-10	X	.126	8.5
35	MP-11	X	.176	8.5
36	MP-12	X	.176	8.5
37	MP-1	Z	.149	1.5
38	MP-2	Z	.149	1.5
39	MP-3	Z	.18	1.5
40	MP-4	Z	.18	1.5
41	RRU-1	Z	.046	1
42	RRU-1	Z	.053	1
43	RRU-2	Z	.066	5
44	RRU-2	Z	.057	8
45	MP-5	Z	.149	1.5
46	MP-6	Z	.149	1.5
47	MP-7	Z	.18	1.5
48	MP-8	Z	.18	1.5
49	RRU-3	Z	.055	1
50	RRU-3	Z	.065	1
51	RRU-4	Z	.044	5
52	RRU-4	Z	.029	8
53	MP-9	Z	.218	1.5
54	MP-10	Z	.218	1.5
55	MP-11	Z	.304	1.5
56	MP-12	Z	.304	1.5
57	RRU-6	Z	.05	1
58	RRU-6	Z	.059	1
59	RRU-5	Z	.055	5
60	RRU-5	Z	.029	8
61	MP-1	Z	.149	8.5
62	MP-2	Z	.149	8.5
63	MP-3	Z	.18	8.5
64	MP-4	Z	.18	8.5
65	MP-5	Z	.149	8.5
66	MP-6	Z	.149	8.5
67	MP-7	Z	.18	8.5
68	MP-8	Z	.18	8.5
69	MP-9	Z	.218	8.5
70	MP-10	Z	.218	8.5
71	MP-11	Z	.304	8.5
72	MP-12	Z	.304	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	.146	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
2	MP-2	X	.195	1.5
3	MP-3	X	.263	1.5
4	MP-4	X	.263	1.5
5	RRU-1	X	.046	1
6	RRU-1	X	.053	1
7	RRU-2	X	.066	5
8	RRU-2	X	.057	8
9	MP-5	X	.126	1.5
10	MP-6	X	.126	1.5
11	MP-7	X	.138	1.5
12	MP-8	X	.138	1.5
13	RRU-3	X	.05	1
14	RRU-3	X	.059	1
15	RRU-4	X	.055	5
16	RRU-4	X	.029	8
17	MP-9	X	.195	1.5
18	MP-10	X	.195	1.5
19	MP-11	X	.263	1.5
20	MP-12	X	.263	1.5
21	RRU-6	X	.046	1
22	RRU-6	X	.053	1
23	RRU-5	X	.066	5
24	RRU-5	X	.029	8
25	MP-1	X	.195	8.5
26	MP-2	X	.195	8.5
27	MP-3	X	.263	8.5
28	MP-4	X	.263	8.5
29	MP-5	X	.126	8.5
30	MP-6	X	.126	8.5
31	MP-7	X	.138	8.5
32	MP-8	X	.138	8.5
33	MP-9	X	.195	8.5
34	MP-10	X	.195	8.5
35	MP-11	X	.263	8.5
36	MP-12	X	.263	8.5
37	MP-1	Z	.113	1.5
38	MP-2	Z	.113	1.5
39	MP-3	Z	.152	1.5
40	MP-4	Z	.152	1.5
41	RRU-1	Z	.027	1
42	RRU-1	Z	.031	1
43	RRU-2	Z	.038	5
44	RRU-2	Z	.033	8
45	MP-5	Z	.073	1.5
46	MP-6	Z	.073	1.5
47	MP-7	Z	.08	1.5
48	MP-8	Z	.08	1.5
49	RRU-3	Z	.029	1
50	RRU-3	Z	.034	1
51	RRU-4	Z	.032	5
52	RRU-4	Z	.017	8
53	MP-9	Z	.113	1.5
54	MP-10	Z	.113	1.5
55	MP-11	Z	.152	1.5
56	MP-12	Z	.152	1.5
57	RRU-6	Z	.027	1
58	RRU-6	Z	.031	1

Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)

Apr 27, 2023
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Member Point Loads (BLC 11 : 210 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
59	RRU-5	Z	.038	5
60	RRU-5	Z	.017	8
61	MP-1	Z	.113	8.5
62	MP-2	Z	.113	8.5
63	MP-3	Z	.152	8.5
64	MP-4	Z	.152	8.5
65	MP-5	Z	.073	8.5
66	MP-6	Z	.073	8.5
67	MP-7	Z	.08	8.5
68	MP-8	Z	.08	8.5
69	MP-9	Z	.113	8.5
70	MP-10	Z	.113	8.5
71	MP-11	Z	.152	8.5
72	MP-12	Z	.152	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.141	1.5
2	MP-2	X	.141	1.5
3	MP-3	X	.181	1.5
4	MP-4	X	.181	1.5
5	RRU-1	X	.037	1
6	RRU-1	X	.043	1
7	RRU-2	X	.056	5
8	RRU-2	X	.047	8
9	MP-5	X	.108	1.5
10	MP-6	X	.108	1.5
11	MP-7	X	.122	1.5
12	MP-8	X	.122	1.5
13	RRU-3	X	.043	1
14	RRU-3	X	.051	1
15	RRU-4	X	.04	5
16	RRU-4	X	.023	8
17	MP-9	X	.173	1.5
18	MP-10	X	.173	1.5
19	MP-11	X	.239	1.5
20	MP-12	X	.239	1.5
21	RRU-6	X	.039	1
22	RRU-6	X	.045	1
23	RRU-5	X	.05	5
24	RRU-5	X	.023	8
25	MP-1	X	.141	8.5
26	MP-2	X	.141	8.5
27	MP-3	X	.181	8.5
28	MP-4	X	.181	8.5
29	MP-5	X	.108	8.5
30	MP-6	X	.108	8.5
31	MP-7	X	.122	8.5
32	MP-8	X	.122	8.5
33	MP-9	X	.173	8.5
34	MP-10	X	.173	8.5
35	MP-11	X	.239	8.5
36	MP-12	X	.239	8.5
37	MP-1	Z	.141	1.5
38	MP-2	Z	.141	1.5
39	MP-3	Z	.181	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
3	MP-3	X	.263	1.5
4	MP-4	X	.263	1.5
5	RRU-1	X	.055	1
6	RRU-1	X	.065	1
7	RRU-2	X	.044	5
8	RRU-2	X	.057	8
9	MP-5	X	.195	1.5
10	MP-6	X	.195	1.5
11	MP-7	X	.263	1.5
12	MP-8	X	.263	1.5
13	RRU-3	X	.046	1
14	RRU-3	X	.053	1
15	RRU-4	X	.066	5
16	RRU-4	X	.029	8
17	MP-9	X	.126	1.5
18	MP-10	X	.126	1.5
19	MP-11	X	.138	1.5
20	MP-12	X	.138	1.5
21	RRU-6	X	.05	1
22	RRU-6	X	.059	1
23	RRU-5	X	.055	5
24	RRU-5	X	.029	8
25	MP-1	X	.195	8.5
26	MP-2	X	.195	8.5
27	MP-3	X	.263	8.5
28	MP-4	X	.263	8.5
29	MP-5	X	.195	8.5
30	MP-6	X	.195	8.5
31	MP-7	X	.263	8.5
32	MP-8	X	.263	8.5
33	MP-9	X	.126	8.5
34	MP-10	X	.126	8.5
35	MP-11	X	.138	8.5
36	MP-12	X	.138	8.5
37	MP-1	Z	-.113	1.5
38	MP-2	Z	-.113	1.5
39	MP-3	Z	-.152	1.5
40	MP-4	Z	-.152	1.5
41	RRU-1	Z	-.031	1
42	RRU-1	Z	-.038	1
43	RRU-2	Z	-.025	5
44	RRU-2	Z	-.033	8
45	MP-5	Z	-.113	1.5
46	MP-6	Z	-.113	1.5
47	MP-7	Z	-.152	1.5
48	MP-8	Z	-.152	1.5
49	RRU-3	Z	-.027	1
50	RRU-3	Z	-.031	1
51	RRU-4	Z	-.038	5
52	RRU-4	Z	-.017	8
53	MP-9	Z	-.073	1.5
54	MP-10	Z	-.073	1.5
55	MP-11	Z	-.08	1.5
56	MP-12	Z	-.08	1.5
57	RRU-6	Z	-.029	1
58	RRU-6	Z	-.034	1
59	RRU-5	Z	-.032	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	RRU-5	Z	-.017	8
61	MP-1	Z	-.113	8.5
62	MP-2	Z	-.113	8.5
63	MP-3	Z	-.152	8.5
64	MP-4	Z	-.152	8.5
65	MP-5	Z	-.113	8.5
66	MP-6	Z	-.113	8.5
67	MP-7	Z	-.152	8.5
68	MP-8	Z	-.152	8.5
69	MP-9	Z	-.073	8.5
70	MP-10	Z	-.073	8.5
71	MP-11	Z	-.08	8.5
72	MP-12	Z	-.08	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.252	1.5
2	MP-2	X	.252	1.5
3	MP-3	X	.351	1.5
4	MP-4	X	.351	1.5
5	RRU-1	X	.058	1
6	RRU-1	X	.068	1
7	RRU-2	X	.064	5
8	RRU-2	X	.066	8
9	MP-5	X	.173	1.5
10	MP-6	X	.173	1.5
11	MP-7	X	.207	1.5
12	MP-8	X	.207	1.5
13	RRU-3	X	.053	1
14	RRU-3	X	.061	1
15	RRU-4	X	.077	5
16	RRU-4	X	.033	8
17	MP-9	X	.173	1.5
18	MP-10	X	.173	1.5
19	MP-11	X	.207	1.5
20	MP-12	X	.207	1.5
21	RRU-6	X	.053	1
22	RRU-6	X	.061	1
23	RRU-5	X	.077	5
24	RRU-5	X	.033	8
25	MP-1	X	.252	8.5
26	MP-2	X	.252	8.5
27	MP-3	X	.351	8.5
28	MP-4	X	.351	8.5
29	MP-5	X	.173	8.5
30	MP-6	X	.173	8.5
31	MP-7	X	.207	8.5
32	MP-8	X	.207	8.5
33	MP-9	X	.173	8.5
34	MP-10	X	.173	8.5
35	MP-11	X	.207	8.5
36	MP-12	X	.207	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.195	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
41	RRU-1	Z	-.055	1
42	RRU-1	Z	-.065	1
43	RRU-2	Z	-.044	5
44	RRU-2	Z	-.057	8
45	MP-5	Z	-.218	1.5
46	MP-6	Z	-.218	1.5
47	MP-7	Z	-.304	1.5
48	MP-8	Z	-.304	1.5
49	RRU-3	Z	-.05	1
50	RRU-3	Z	-.059	1
51	RRU-4	Z	-.055	5
52	RRU-4	Z	-.029	8
53	MP-9	Z	-.149	1.5
54	MP-10	Z	-.149	1.5
55	MP-11	Z	-.18	1.5
56	MP-12	Z	-.18	1.5
57	RRU-6	Z	-.055	1
58	RRU-6	Z	-.065	1
59	RRU-5	Z	-.044	5
60	RRU-5	Z	-.029	8
61	MP-1	Z	-.149	8.5
62	MP-2	Z	-.149	8.5
63	MP-3	Z	-.18	8.5
64	MP-4	Z	-.18	8.5
65	MP-5	Z	-.218	8.5
66	MP-6	Z	-.218	8.5
67	MP-7	Z	-.304	8.5
68	MP-8	Z	-.304	8.5
69	MP-9	Z	-.149	8.5
70	MP-10	Z	-.149	8.5
71	MP-11	Z	-.18	8.5
72	MP-12	Z	-.18	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.141	1.5
2	MP-2	X	.141	1.5
3	MP-3	X	.181	1.5
4	MP-4	X	.181	1.5
5	RRU-1	X	.045	1
6	RRU-1	X	.054	1
7	RRU-2	X	.034	5
8	RRU-2	X	.047	8
9	MP-5	X	.173	1.5
10	MP-6	X	.173	1.5
11	MP-7	X	.239	1.5
12	MP-8	X	.239	1.5
13	RRU-3	X	.039	1
14	RRU-3	X	.045	1
15	RRU-4	X	.05	5
16	RRU-4	X	.023	8
17	MP-9	X	.108	1.5
18	MP-10	X	.108	1.5
19	MP-11	X	.122	1.5
20	MP-12	X	.122	1.5
21	RRU-6	X	.043	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	RRU-6	X	.051	1
23	RRU-5	X	.04	5
24	RRU-5	X	.023	8
25	MP-1	X	.141	8.5
26	MP-2	X	.141	8.5
27	MP-3	X	.181	8.5
28	MP-4	X	.181	8.5
29	MP-5	X	.173	8.5
30	MP-6	X	.173	8.5
31	MP-7	X	.239	8.5
32	MP-8	X	.239	8.5
33	MP-9	X	.108	8.5
34	MP-10	X	.108	8.5
35	MP-11	X	.122	8.5
36	MP-12	X	.122	8.5
37	MP-1	Z	-.141	1.5
38	MP-2	Z	-.141	1.5
39	MP-3	Z	-.181	1.5
40	MP-4	Z	-.181	1.5
41	RRU-1	Z	-.045	1
42	RRU-1	Z	-.054	1
43	RRU-2	Z	-.034	5
44	RRU-2	Z	-.047	8
45	MP-5	Z	-.173	1.5
46	MP-6	Z	-.173	1.5
47	MP-7	Z	-.239	1.5
48	MP-8	Z	-.239	1.5
49	RRU-3	Z	-.039	1
50	RRU-3	Z	-.045	1
51	RRU-4	Z	-.05	5
52	RRU-4	Z	-.023	8
53	MP-9	Z	-.108	1.5
54	MP-10	Z	-.108	1.5
55	MP-11	Z	-.122	1.5
56	MP-12	Z	-.122	1.5
57	RRU-6	Z	-.043	1
58	RRU-6	Z	-.051	1
59	RRU-5	Z	-.04	5
60	RRU-5	Z	-.023	8
61	MP-1	Z	-.141	8.5
62	MP-2	Z	-.141	8.5
63	MP-3	Z	-.181	8.5
64	MP-4	Z	-.181	8.5
65	MP-5	Z	-.173	8.5
66	MP-6	Z	-.173	8.5
67	MP-7	Z	-.239	8.5
68	MP-8	Z	-.239	8.5
69	MP-9	Z	-.108	8.5
70	MP-10	Z	-.108	8.5
71	MP-11	Z	-.122	8.5
72	MP-12	Z	-.122	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.195	1.5
2	MP-2	X	.195	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
43	RRU-2	Z	-.066	5
44	RRU-2	Z	-.057	8
45	MP-5	Z	-.149	1.5
46	MP-6	Z	-.149	1.5
47	MP-7	Z	-.18	1.5
48	MP-8	Z	-.18	1.5
49	RRU-3	Z	-.055	1
50	RRU-3	Z	-.065	1
51	RRU-4	Z	-.044	5
52	RRU-4	Z	-.029	8
53	MP-9	Z	-.218	1.5
54	MP-10	Z	-.218	1.5
55	MP-11	Z	-.304	1.5
56	MP-12	Z	-.304	1.5
57	RRU-6	Z	-.05	1
58	RRU-6	Z	-.059	1
59	RRU-5	Z	-.055	5
60	RRU-5	Z	-.029	8
61	MP-1	Z	-.149	8.5
62	MP-2	Z	-.149	8.5
63	MP-3	Z	-.18	8.5
64	MP-4	Z	-.18	8.5
65	MP-5	Z	-.149	8.5
66	MP-6	Z	-.149	8.5
67	MP-7	Z	-.18	8.5
68	MP-8	Z	-.18	8.5
69	MP-9	Z	-.218	8.5
70	MP-10	Z	-.218	8.5
71	MP-11	Z	-.304	8.5
72	MP-12	Z	-.304	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Z	-.146	1.5
2	MP-2	Z	-.146	1.5
3	MP-3	Z	-.159	1.5
4	MP-4	Z	-.159	1.5
5	RRU-1	Z	-.058	1
6	RRU-1	Z	-.068	1
7	RRU-2	Z	-.064	5
8	RRU-2	Z	-.066	8
9	MP-5	Z	-.226	1.5
10	MP-6	Z	-.226	1.5
11	MP-7	Z	-.303	1.5
12	MP-8	Z	-.303	1.5
13	RRU-3	Z	-.063	1
14	RRU-3	Z	-.075	1
15	RRU-4	Z	-.051	5
16	RRU-4	Z	-.033	8
17	MP-9	Z	-.226	1.5
18	MP-10	Z	-.226	1.5
19	MP-11	Z	-.303	1.5
20	MP-12	Z	-.303	1.5
21	RRU-6	Z	-.063	1
22	RRU-6	Z	-.075	1
23	RRU-5	Z	-.051	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	RRU-5	Z	-.033	8
25	MP-1	Z	-.146	8.5
26	MP-2	Z	-.146	8.5
27	MP-3	Z	-.159	8.5
28	MP-4	Z	-.159	8.5
29	MP-5	Z	-.226	8.5
30	MP-6	Z	-.226	8.5
31	MP-7	Z	-.303	8.5
32	MP-8	Z	-.303	8.5
33	MP-9	Z	-.226	8.5
34	MP-10	Z	-.226	8.5
35	MP-11	Z	-.303	8.5
36	MP-12	Z	-.303	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	.086	1.5
2	MP-2	X	.086	1.5
3	MP-3	X	.104	1.5
4	MP-4	X	.104	1.5
5	RRU-1	X	.031	1
6	RRU-1	X	.038	1
7	RRU-2	X	.025	5
8	RRU-2	X	.033	8
9	MP-5	X	.126	1.5
10	MP-6	X	.126	1.5
11	MP-7	X	.176	1.5
12	MP-8	X	.176	1.5
13	RRU-3	X	.029	1
14	RRU-3	X	.034	1
15	RRU-4	X	.032	5
16	RRU-4	X	.017	8
17	MP-9	X	.086	1.5
18	MP-10	X	.086	1.5
19	MP-11	X	.104	1.5
20	MP-12	X	.104	1.5
21	RRU-6	X	.031	1
22	RRU-6	X	.038	1
23	RRU-5	X	.025	5
24	RRU-5	X	.017	8
25	MP-1	X	.086	8.5
26	MP-2	X	.086	8.5
27	MP-3	X	.104	8.5
28	MP-4	X	.104	8.5
29	MP-5	X	.126	8.5
30	MP-6	X	.126	8.5
31	MP-7	X	.176	8.5
32	MP-8	X	.176	8.5
33	MP-9	X	.086	8.5
34	MP-10	X	.086	8.5
35	MP-11	X	.104	8.5
36	MP-12	X	.104	8.5
37	MP-1	Z	-.149	1.5
38	MP-2	Z	-.149	1.5
39	MP-3	Z	-.18	1.5
40	MP-4	Z	-.18	1.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	RRU-1	X	-.037	1
6	RRU-1	X	-.043	1
7	RRU-2	X	-.056	5
8	RRU-2	X	-.047	8
9	MP-5	X	-.108	1.5
10	MP-6	X	-.108	1.5
11	MP-7	X	-.122	1.5
12	MP-8	X	-.122	1.5
13	RRU-3	X	-.043	1
14	RRU-3	X	-.051	1
15	RRU-4	X	-.04	5
16	RRU-4	X	-.023	8
17	MP-9	X	-.173	1.5
18	MP-10	X	-.173	1.5
19	MP-11	X	-.239	1.5
20	MP-12	X	-.239	1.5
21	RRU-6	X	-.039	1
22	RRU-6	X	-.045	1
23	RRU-5	X	-.05	5
24	RRU-5	X	-.023	8
25	MP-1	X	-.141	8.5
26	MP-2	X	-.141	8.5
27	MP-3	X	-.181	8.5
28	MP-4	X	-.181	8.5
29	MP-5	X	-.108	8.5
30	MP-6	X	-.108	8.5
31	MP-7	X	-.122	8.5
32	MP-8	X	-.122	8.5
33	MP-9	X	-.173	8.5
34	MP-10	X	-.173	8.5
35	MP-11	X	-.239	8.5
36	MP-12	X	-.239	8.5
37	MP-1	Z	-.141	1.5
38	MP-2	Z	-.141	1.5
39	MP-3	Z	-.181	1.5
40	MP-4	Z	-.181	1.5
41	RRU-1	Z	-.037	1
42	RRU-1	Z	-.043	1
43	RRU-2	Z	-.056	5
44	RRU-2	Z	-.047	8
45	MP-5	Z	-.108	1.5
46	MP-6	Z	-.108	1.5
47	MP-7	Z	-.122	1.5
48	MP-8	Z	-.122	1.5
49	RRU-3	Z	-.043	1
50	RRU-3	Z	-.051	1
51	RRU-4	Z	-.04	5
52	RRU-4	Z	-.023	8
53	MP-9	Z	-.173	1.5
54	MP-10	Z	-.173	1.5
55	MP-11	Z	-.239	1.5
56	MP-12	Z	-.239	1.5
57	RRU-6	Z	-.039	1
58	RRU-6	Z	-.045	1
59	RRU-5	Z	-.05	5
60	RRU-5	Z	-.023	8
61	MP-1	Z	-.141	8.5

RISA A NELJETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
62	MP-2	Z	-.141	8.5
63	MP-3	Z	-.181	8.5
64	MP-4	Z	-.181	8.5
65	MP-5	Z	-.108	8.5
66	MP-6	Z	-.108	8.5
67	MP-7	Z	-.122	8.5
68	MP-8	Z	-.122	8.5
69	MP-9	Z	-.173	8.5
70	MP-10	Z	-.173	8.5
71	MP-11	Z	-.239	8.5
72	MP-12	Z	-.239	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.086	1.5
2	MP-2	X	-.086	1.5
3	MP-3	X	-.104	1.5
4	MP-4	X	-.104	1.5
5	RRU-1	X	-.027	1
6	RRU-1	X	-.031	1
7	RRU-2	X	-.038	5
8	RRU-2	X	-.033	8
9	MP-5	X	-.086	1.5
10	MP-6	X	-.086	1.5
11	MP-7	X	-.104	1.5
12	MP-8	X	-.104	1.5
13	RRU-3	X	-.031	1
14	RRU-3	X	-.038	1
15	RRU-4	X	-.025	5
16	RRU-4	X	-.017	8
17	MP-9	X	-.126	1.5
18	MP-10	X	-.126	1.5
19	MP-11	X	-.176	1.5
20	MP-12	X	-.176	1.5
21	RRU-6	X	-.029	1
22	RRU-6	X	-.034	1
23	RRU-5	X	-.032	5
24	RRU-5	X	-.017	8
25	MP-1	X	-.086	8.5
26	MP-2	X	-.086	8.5
27	MP-3	X	-.104	8.5
28	MP-4	X	-.104	8.5
29	MP-5	X	-.086	8.5
30	MP-6	X	-.086	8.5
31	MP-7	X	-.104	8.5
32	MP-8	X	-.104	8.5
33	MP-9	X	-.126	8.5
34	MP-10	X	-.126	8.5
35	MP-11	X	-.176	8.5
36	MP-12	X	-.176	8.5
37	MP-1	Z	-.149	1.5
38	MP-2	Z	-.149	1.5
39	MP-3	Z	-.18	1.5
40	MP-4	Z	-.18	1.5
41	RRU-1	Z	-.046	1
42	RRU-1	Z	-.053	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
7	RRU-2	X	-.064	5
8	RRU-2	X	-.066	8
9	MP-5	X	-.173	1.5
10	MP-6	X	-.173	1.5
11	MP-7	X	-.207	1.5
12	MP-8	X	-.207	1.5
13	RRU-3	X	-.053	1
14	RRU-3	X	-.061	1
15	RRU-4	X	-.077	5
16	RRU-4	X	-.033	8
17	MP-9	X	-.173	1.5
18	MP-10	X	-.173	1.5
19	MP-11	X	-.207	1.5
20	MP-12	X	-.207	1.5
21	RRU-6	X	-.053	1
22	RRU-6	X	-.061	1
23	RRU-5	X	-.077	5
24	RRU-5	X	-.033	8
25	MP-1	X	-.252	8.5
26	MP-2	X	-.252	8.5
27	MP-3	X	-.351	8.5
28	MP-4	X	-.351	8.5
29	MP-5	X	-.173	8.5
30	MP-6	X	-.173	8.5
31	MP-7	X	-.207	8.5
32	MP-8	X	-.207	8.5
33	MP-9	X	-.173	8.5
34	MP-10	X	-.173	8.5
35	MP-11	X	-.207	8.5
36	MP-12	X	-.207	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.195	1.5
2	MP-2	X	-.195	1.5
3	MP-3	X	-.263	1.5
4	MP-4	X	-.263	1.5
5	RRU-1	X	-.046	1
6	RRU-1	X	-.053	1
7	RRU-2	X	-.066	5
8	RRU-2	X	-.057	8
9	MP-5	X	-.126	1.5
10	MP-6	X	-.126	1.5
11	MP-7	X	-.138	1.5
12	MP-8	X	-.138	1.5
13	RRU-3	X	-.05	1
14	RRU-3	X	-.059	1
15	RRU-4	X	-.055	5
16	RRU-4	X	-.029	8
17	MP-9	X	-.195	1.5
18	MP-10	X	-.195	1.5
19	MP-11	X	-.263	1.5
20	MP-12	X	-.263	1.5
21	RRU-6	X	-.046	1
22	RRU-6	X	-.053	1
23	RRU-5	X	-.066	5

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	RRU-5	X	-.029	8
25	MP-1	X	-.195	8.5
26	MP-2	X	-.195	8.5
27	MP-3	X	-.263	8.5
28	MP-4	X	-.263	8.5
29	MP-5	X	-.126	8.5
30	MP-6	X	-.126	8.5
31	MP-7	X	-.138	8.5
32	MP-8	X	-.138	8.5
33	MP-9	X	-.195	8.5
34	MP-10	X	-.195	8.5
35	MP-11	X	-.263	8.5
36	MP-12	X	-.263	8.5
37	MP-1	Z	-.113	1.5
38	MP-2	Z	-.113	1.5
39	MP-3	Z	-.152	1.5
40	MP-4	Z	-.152	1.5
41	RRU-1	Z	-.027	1
42	RRU-1	Z	-.031	1
43	RRU-2	Z	-.038	5
44	RRU-2	Z	-.033	8
45	MP-5	Z	-.073	1.5
46	MP-6	Z	-.073	1.5
47	MP-7	Z	-.08	1.5
48	MP-8	Z	-.08	1.5
49	RRU-3	Z	-.029	1
50	RRU-3	Z	-.034	1
51	RRU-4	Z	-.032	5
52	RRU-4	Z	-.017	8
53	MP-9	Z	-.113	1.5
54	MP-10	Z	-.113	1.5
55	MP-11	Z	-.152	1.5
56	MP-12	Z	-.152	1.5
57	RRU-6	Z	-.027	1
58	RRU-6	Z	-.031	1
59	RRU-5	Z	-.038	5
60	RRU-5	Z	-.017	8
61	MP-1	Z	-.113	8.5
62	MP-2	Z	-.113	8.5
63	MP-3	Z	-.152	8.5
64	MP-4	Z	-.152	8.5
65	MP-5	Z	-.073	8.5
66	MP-6	Z	-.073	8.5
67	MP-7	Z	-.08	8.5
68	MP-8	Z	-.08	8.5
69	MP-9	Z	-.113	8.5
70	MP-10	Z	-.113	8.5
71	MP-11	Z	-.152	8.5
72	MP-12	Z	-.152	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.141	1.5
2	MP-2	X	-.141	1.5
3	MP-3	X	-.181	1.5
4	MP-4	X	-.181	1.5

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
44	1.2D+1.0Di+1.0 225-...	Yes	Y		1	1.2	18	1	29	1														
45	1.2D+1.0Di+1.0 240-...	Yes	Y		1	1.2	18	1	30	1														
46	1.2D+1.0Di+1.0 270-...	Yes	Y		1	1.2	18	1	31	1														
47	1.2D+1.0Di+1.0 300-...	Yes	Y		1	1.2	18	1	32	1														
48	1.2D+1.0Di+1.0 315-...	Yes	Y		1	1.2	18	1	33	1														
49	1.2D+1.0Di+1.0 330-...	Yes	Y		1	1.2	18	1	34	1														
50	1.2D+1.5Lv	Yes	Y		36	1.5	1	1.2																
51	1.2D+1.5Lm+1.0 0-Wi...	Yes	Y		1	1.2	2	.064	35	1.5														
52	1.2D+1.5Lm+1.0 30-...	Yes	Y		1	1.2	3	.064	35	1.5														
53	1.2D+1.5Lm+1.0 45-...	Yes	Y		1	1.2	4	.064	35	1.5														
54	1.2D+1.5Lm+1.0 60-...	Yes	Y		1	1.2	5	.064	35	1.5														
55	1.2D+1.5Lm+1.0 90-...	Yes	Y		1	1.2	6	.064	35	1.5														
56	1.2D+1.5Lm+1.0 120-...	Yes	Y		1	1.2	7	.064	35	1.5														
57	1.2D+1.5Lm+1.0 135-...	Yes	Y		1	1.2	8	.064	35	1.5														
58	1.2D+1.5Lm+1.0 150-...	Yes	Y		1	1.2	9	.064	35	1.5														
59	1.2D+1.5Lm+1.0 180-...	Yes	Y		1	1.2	10	.064	35	1.5														
60	1.2D+1.5Lm+1.0 210-...	Yes	Y		1	1.2	11	.064	35	1.5														
61	1.2D+1.5Lm+1.0 225-...	Yes	Y		1	1.2	12	.064	35	1.5														
62	1.2D+1.5Lm+1.0 240-...	Yes	Y		1	1.2	13	.064	35	1.5														
63	1.2D+1.5Lm+1.0 270-...	Yes	Y		1	1.2	14	.064	35	1.5														
64	1.2D+1.5Lm+1.0 300-...	Yes	Y		1	1.2	15	.064	35	1.5														
65	1.2D+1.5Lm+1.0 315-...	Yes	Y		1	1.2	16	.064	35	1.5														
66	1.2D+1.5Lm+1.0 330-...	Yes	Y		1	1.2	17	.064	35	1.5														
67	(1.2+0.2Sds)D+1.0 0 ...	Yes	Y		1	1.2...	ELX	.106	0															
68	(1.2+0.2Sds)D+1.0 30...	Yes	Y		1	1.2...	ELX	.092	ELZ	.053														
69	(1.2+0.2Sds)D+1.0 45...	Yes	Y		1	1.2...	ELX	.075	ELZ	.075														
70	(1.2+0.2Sds)D+1.0 60...	Yes	Y		1	1.2...	ELX	.053	ELZ	.092														
71	(1.2+0.2Sds)D+1.0 90...	Yes	Y		1	1.2...	0		ELZ	.106														
72	(1.2+0.2Sds)D+1.0 12...	Yes	Y		1	1.2...	ELX	-.053	ELZ	.092														
73	(1.2+0.2Sds)D+1.0 13...	Yes	Y		1	1.2...	ELX	-.075	ELZ	.075														
74	(1.2+0.2Sds)D+1.0 15...	Yes	Y		1	1.2...	ELX	-.092	ELZ	.053														
75	(1.2+0.2Sds)D+1.0 18...	Yes	Y		1	1.2...	ELX	-.106	0															
76	(1.2+0.2Sds)D+1.0 21...	Yes	Y		1	1.2...	ELX	-.092	ELZ	-.053														
77	(1.2+0.2Sds)D+1.0 22...	Yes	Y		1	1.2...	ELX	-.075	ELZ	-.075														
78	(1.2+0.2Sds)D+1.0 24...	Yes	Y		1	1.2...	ELX	-.053	ELZ	-.092														
79	(1.2+0.2Sds)D+1.0 27...	Yes	Y		1	1.2...	0		ELZ	-.106														
80	(1.2+0.2Sds)D+1.0 30...	Yes	Y		1	1.2...	ELX	.053	ELZ	-.092														
81	(1.2+0.2Sds)D+1.0 31...	Yes	Y		1	1.2...	ELX	.075	ELZ	-.075														
82	(1.2+0.2Sds)D+1.0 33...	Yes	Y		1	1.2...	ELX	.092	ELZ	-.053														
83	(0.9-0.2Sds)*DL+1.0 0...	Yes	Y		1	.858	ELX	.106	0															
84	(0.9-0.2Sds)*DL+1.0 3...	Yes	Y		1	.858	ELX	.092	ELZ	.053														
85	(0.9-0.2Sds)*DL+1.0 ...	Yes	Y		1	.858	ELX	.075	ELZ	.075														
86	(0.9-0.2Sds)*DL+1.0 6...	Yes	Y		1	.858	ELX	.053	ELZ	.092														
87	(0.9-0.2Sds)*DL+1.0 9...	Yes	Y		1	.858	0		ELZ	.106														
88	(0.9-0.2Sds)*DL+1.0 1...	Yes	Y		1	.858	ELX	-.053	ELZ	.092														
89	(0.9-0.2Sds)*DL+1.0 1...	Yes	Y		1	.858	ELX	-.075	ELZ	.075														
90	(0.9-0.2Sds)*DL+1.0 1...	Yes	Y		1	.858	ELX	-.092	ELZ	.053														
91	(0.9-0.2Sds)*DL+1.0 1...	Yes	Y		1	.858	ELX	-.106	0															
92	(0.9-0.2Sds)*DL+1.0 2...	Yes	Y		1	.858	ELX	-.092	ELZ	-.053														
93	(0.9-0.2Sds)*DL+1.0 2...	Yes	Y		1	.858	ELX	-.075	ELZ	-.075														
94	(0.9-0.2Sds)*DL+1.0 2...	Yes	Y		1	.858	ELX	-.053	ELZ	-.092														
95	(0.9-0.2Sds)*DL+1.0 2...	Yes	Y		1	.858	0		ELZ	-.106														
96	(0.9-0.2Sds)*DL+1.0 3...	Yes	Y		1	.858	ELX	.053	ELZ	-.092														
97	(0.9-0.2Sds)*DL+1.0 3...	Yes	Y		1	.858	ELX	.075	ELZ	-.075														
98	(0.9-0.2Sds)*DL+1.0 3...	Yes	Y		1	.858	ELX	.092	ELZ	-.053														

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonbury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

Joint Loads and Enforced Displacements (BLC 35 : Lm)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	N32	L	Y	-.5

Joint Loads and Enforced Displacements (BLC 36 : Lv)

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

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	Y	-.036	1.5
2	MP-2	Y	-.036	1.5
3	MP-3	Y	-.038	1.5
4	MP-4	Y	-.038	1.5
5	RRU-1	Y	-.072	1
6	RRU-1	Y	-.071	1
7	RRU-2	Y	-.06	5
8	RRU-2	Y	-.038	8
9	MP-5	Y	-.036	1.5
10	MP-6	Y	-.036	1.5
11	MP-7	Y	-.038	1.5
12	MP-8	Y	-.038	1.5
13	RRU-3	Y	-.072	1
14	RRU-3	Y	-.071	1
15	RRU-4	Y	-.06	5
16	RRU-4	Y	-.019	8
17	MP-9	Y	-.036	1.5
18	MP-10	Y	-.036	1.5
19	MP-11	Y	-.038	1.5
20	MP-12	Y	-.038	1.5
21	RRU-6	Y	-.072	1
22	RRU-6	Y	-.071	1
23	RRU-5	Y	-.06	5
24	RRU-5	Y	-.019	8
25	MP-1	Y	-.036	8.5
26	MP-2	Y	-.036	8.5
27	MP-3	Y	-.038	8.5
28	MP-4	Y	-.038	8.5
29	MP-5	Y	-.036	8.5
30	MP-6	Y	-.036	8.5
31	MP-7	Y	-.038	8.5
32	MP-8	Y	-.038	8.5
33	MP-9	Y	-.036	8.5
34	MP-10	Y	-.036	8.5
35	MP-11	Y	-.038	8.5
36	MP-12	Y	-.038	8.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP-1	X	-.252	1.5
2	MP-2	X	-.252	1.5
3	MP-3	X	-.351	1.5
4	MP-4	X	-.351	1.5
5	RRU-1	X	-.058	1
6	RRU-1	X	-.068	1

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...
82	SF6-BH	Support Ho...	2.5		2.145				1	1		Lateral
83	SF6-TH	Support Ho...	2.5		2.145				1	1		Lateral
84	MP-9	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
85	MP-10	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
86	MP-11	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
87	MP-12	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
88	RRU-5	RRU Pipe	10	Segment	Segment				2.1	2.1		Lateral
89	RRU-6	RRU Pipe	10	Segment	Segment				2.1	2.1		Lateral
90	SA-6	Stabilizer A...	7.42						1	1		Lateral
91	PM-1	Pipe Mount	7	Segment	Segment				2.1	2.1		Lateral
92	MM-1	Tube Stand...	.667						1	1		Lateral
93	MM-2	Tube Stand...	.667						1	1		Lateral
94	PM-2	Pipe Mount	7	Segment	Segment				2.1	2.1		Lateral
95	MM-3	Tube Stand...	.667						1	1		Lateral
96	MM-4	Tube Stand...	.667						1	1		Lateral
97	PM-3	Pipe Mount	7	Segment	Segment				2.1	2.1		Lateral
98	MM-5	Tube Stand...	.667						1	1		Lateral
99	MM-6	Tube Stand...	.667						1	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	Distribu...	Area(M...	Surface(Plate/Wall)
1	Dead	None		-1			36			
2	0 Wind - No Ice	None					36	99		
3	30 Wind - No Ice	None					72	198		
4	45 Wind - No Ice	None					72	198		
5	60 Wind - No Ice	None					72	198		
6	90 Wind - No Ice	None					36	99		
7	120 Wind - No Ice	None					72	198		
8	135 Wind - No Ice	None					72	198		
9	150 Wind - No Ice	None					72	198		
10	180 Wind - No Ice	None					36	99		
11	210 Wind - No Ice	None					72	198		
12	225 Wind - No Ice	None					72	198		
13	240 Wind - No Ice	None					72	198		
14	270 Wind - No Ice	None					36	99		
15	300 Wind - No Ice	None					72	198		
16	315 Wind - No Ice	None					72	198		
17	330 Wind - No Ice	None					72	198		
18	Ice Weight	None					36	99		
19	0 Wind - Ice	None					36	99		
20	30 Wind - Ice	None					72	198		
21	45 Wind - Ice	None					72	198		
22	60 Wind - Ice	None					72	198		
23	90 Wind - Ice	None					36	99		
24	120 Wind - Ice	None					72	198		
25	135 Wind - Ice	None					72	198		
26	150 Wind - Ice	None					72	198		
27	180 Wind - Ice	None					36	99		
28	210 Wind - Ice	None					72	198		
29	225 Wind - Ice	None					72	198		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface(Plate/Wall)
30	240 Wind - Ice	None					72	198		
31	270 Wind - Ice	None					36	99		
32	300 Wind - Ice	None					72	198		
33	315 Wind - Ice	None					72	198		
34	330 Wind - Ice	None					72	198		
35	Lm	None				1				
36	Lv	None				1				
37	Seismic Load X	ELX	-1				36			
38	Seismic Load Z	ELZ			-1		36			

Load Combinations

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

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
84	FFTH-7						Yes	** NA **			None
85	FFTH-8						Yes	** NA **			None
86	FFTH-9						Yes	** NA **			None
87	BC-BH5						Yes	** NA **			None
88	BC-BH6						Yes	** NA **			None
89	BC-TH5						Yes	** NA **			None
90	BC-TH6						Yes	** NA **			None
91	SA-5	BenPIN					Yes	** NA **			None
92	SF5-BH						Yes	** NA **			None
93	SF5-TH						Yes	** NA **			None
94	SF6-BH						Yes	** NA **			None
95	SF6-TH						Yes	** NA **			None
96	MP-9						Yes	** NA **			None
97	MP-10						Yes	** NA **			None
98	MP-11						Yes	** NA **			None
99	MP-12						Yes	** NA **			None
100	RRU-5						Yes	** NA **			None
101	RRU-6						Yes	** NA **			None
102	SA-6	BenPIN					Yes	** NA **			None
103	PM-1						Yes	** NA **			None
104	MM-1						Yes	** NA **			None
105	MM-2						Yes	** NA **			None
106	PM-2						Yes	** NA **			None
107	MM-3						Yes	** NA **			None
108	MM-4						Yes	** NA **			None
109	PM-3						Yes	** NA **			None
110	MM-5						Yes	** NA **			None
111	MM-6						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	SF1-D1	Bracing 1	4.167						.65	.65		Lateral
2	SF1-D1-X	Bracing 1	4.167						.65	.65		Lateral
3	SF2-D1	Bracing 1	4.167						.65	.65		Lateral
4	SF2-D1-X	Bracing 1	4.167						.65	.65		Lateral
5	SF1-V1	Bracing 2	3.333						.65	.65		Lateral
6	SF1-V2	Bracing 2	3.333						.65	.65		Lateral
7	SF2-V1	Bracing 2	3.333						.65	.65		Lateral
8	SF2-V2	Bracing 2	3.333						.65	.65		Lateral
9	SF1-CPB	Connection...	.383						1	1		Lateral
10	SF1-CPT	Connection...	.383						1	1		Lateral
11	SF2-CPB	Connection...	.383						1	1		Lateral
12	SF2-CPT	Connection...	.383						1	1		Lateral
13	FFBH-1	Face Horiz...	4.75						2.1	2.1		Lateral
14	FFBH-2	Face Horiz...	5						1	1		Lateral
15	FFBH-3	Face Horiz...	4.75						2.1	2.1		Lateral
16	FFTH-1	Face Horiz...	4.75						2.1	2.1		Lateral
17	FFTH-2	Face Horiz...	5						1	1		Lateral
18	FFTH-3	Face Horiz...	4.75						2.1	2.1		Lateral
19	SA-1	Stabilizer A...	7.42						1	1		Lateral
20	SF1-BH	Support Ho...	2.5		2.145				1	1		Lateral
21	SF1-TH	Support Ho...	2.5		2.145				1	1		Lateral
22	SF2-BH	Support Ho...	2.5		2.145				1	1		Lateral
23	SF2-TH	Support Ho...	2.5		2.145				1	1		Lateral
24	MP-1	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

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...
25	MP-2	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
26	MP-3	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
27	MP-4	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
28	RRU-1	RRU Pipe	10	Segment	Segment				2.1	2.1		Lateral
29	RRU-2	RRU Pipe	10	Segment	Segment				2.1	2.1		Lateral
30	SA-2	Stabilizer A...	7.42						1	1		Lateral
31	SF3-D1	Bracing 1	4.167						.65	.65		Lateral
32	SF3-D1-X	Bracing 1	4.167						.65	.65		Lateral
33	SF4-D1	Bracing 1	4.167						.65	.65		Lateral
34	SF4-D1-X	Bracing 1	4.167						.65	.65		Lateral
35	SF3-V1	Bracing 2	3.333						.65	.65		Lateral
36	SF3-V2	Bracing 2	3.333						.65	.65		Lateral
37	SF4-V1	Bracing 2	3.333						.65	.65		Lateral
38	SF4-V2	Bracing 2	3.333						.65	.65		Lateral
39	SF3-CPB	Connection...	.383						1	1		Lateral
40	SF3-CPT	Connection...	.383						1	1		Lateral
41	SF4-CPB	Connection...	.383						1	1		Lateral
42	SF4-CPT	Connection...	.383						1	1		Lateral
43	FFBH-4	Face Horiz...	4.75						2.1	2.1		Lateral
44	FFBH-5	Face Horiz...	5						1	1		Lateral
45	FFBH-6	Face Horiz...	4.75						2.1	2.1		Lateral
46	FFTH-4	Face Horiz...	4.75						2.1	2.1		Lateral
47	FFTH-5	Face Horiz...	5						1	1		Lateral
48	FFTH-6	Face Horiz...	4.75						2.1	2.1		Lateral
49	SA-3	Stabilizer A...	7.42						1	1		Lateral
50	SF3-BH	Support Ho...	2.5		2.145				1	1		Lateral
51	SF3-TH	Support Ho...	2.5		2.145				1	1		Lateral
52	SF4-BH	Support Ho...	2.5		2.145				1	1		Lateral
53	SF4-TH	Support Ho...	2.5		2.145				1	1		Lateral
54	MP-5	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
55	MP-6	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
56	MP-7	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
57	MP-8	Mount Pipe	10	Segment	Segment				2.1	2.1		Lateral
58	RRU-3	RRU Pipe	10	Segment	Segment				2.1	2.1		Lateral
59	RRU-4	RRU Pipe	10	Segment	Segment				2.1	2.1		Lateral
60	SA-4	Stabilizer A...	7.42						1	1		Lateral
61	SF5-D1	Bracing 1	4.167						.65	.65		Lateral
62	SF5-D1-X	Bracing 1	4.167						.65	.65		Lateral
63	SF6-D1	Bracing 1	4.167						.65	.65		Lateral
64	SF6-D1-X	Bracing 1	4.167						.65	.65		Lateral
65	SF5-V1	Bracing 2	3.333						.65	.65		Lateral
66	SF5-V2	Bracing 2	3.333						.65	.65		Lateral
67	SF6-V1	Bracing 2	3.333						.65	.65		Lateral
68	SF6-V2	Bracing 2	3.333						.65	.65		Lateral
69	SF5-CPB	Connection...	.383						1	1		Lateral
70	SF5-CPT	Connection...	.383						1	1		Lateral
71	SF6-CPB	Connection...	.383						1	1		Lateral
72	SF6-CPT	Connection...	.383						1	1		Lateral
73	FFBH-7	Face Horiz...	4.75						2.1	2.1		Lateral
74	FFBH-8	Face Horiz...	5						1	1		Lateral
75	FFBH-9	Face Horiz...	4.75						2.1	2.1		Lateral
76	FFTH-7	Face Horiz...	4.75						2.1	2.1		Lateral
77	FFTH-8	Face Horiz...	5						1	1		Lateral
78	FFTH-9	Face Horiz...	4.75						2.1	2.1		Lateral
79	SA-5	Stabilizer A...	7.42						1	1		Lateral
80	SF5-BH	Support Ho...	2.5		2.145				1	1		Lateral
81	SF5-TH	Support Ho...	2.5		2.145				1	1		Lateral

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design Rules
86	FFTH-9	N134	N112			Face Horizontals	None	None	A53 Gr.B	Typical
87	BC-BH5	N125	S3-2			RIGID	None	None	RIGID	Typical
88	BC-BH6	S3-2	N117			RIGID	None	None	RIGID	Typical
89	BC-TH5	N124	S3-1			RIGID	None	None	RIGID	Typical
90	BC-TH6	S3-1	N116			RIGID	None	None	RIGID	Typical
91	SA-5	N136	S1-1			Stabilizer Arm	None	None	A53 Gr.B	Typical
92	SF5-BH	N117	N119			Support Horizontal	None	None	A53 Gr.B	Typical
93	SF5-TH	N116	N118			Support Horizontal	None	None	A53 Gr.B	Typical
94	SF6-BH	N125	N127			Support Horizontal	None	None	A53 Gr.B	Typical
95	SF6-TH	N124	N126			Support Horizontal	None	None	A53 Gr.B	Typical
96	MP-9	N145	N149			Mount Pipe	None	None	A53 Gr.B	Typical
97	MP-10	N148	N152			Mount Pipe	None	None	A53 Gr.B	Typical
98	MP-11	N147	N151			Mount Pipe	None	None	A53 Gr.B	Typical
99	MP-12	N146	N150			Mount Pipe	None	None	A53 Gr.B	Typical
100	RRU-5	N159	N157			RRU Pipe	None	None	A53 Gr.B	Typical
101	RRU-6	N160	N158			RRU Pipe	None	None	A53 Gr.B	Typical
102	SA-6	N162	S1-2			Stabilizer Arm	None	None	A53 Gr.B	Typical
103	PM-1	N157A	N158A			Pipe Mount	None	None	A53 Gr.B	Typical
104	MM-1	SF1-1	N159A			Tube Standoff	None	None	A500 Gr.B Rect	Typical
105	MM-2	SF1-2	N160A			Tube Standoff	None	None	A500 Gr.B Rect	Typical
106	PM-2	N163	N164			Pipe Mount	None	None	A53 Gr.B	Typical
107	MM-3	N55	N165			Tube Standoff	None	None	A500 Gr.B Rect	Typical
108	MM-4	N56	N166			Tube Standoff	None	None	A500 Gr.B Rect	Typical
109	PM-3	N169	N170			Pipe Mount	None	None	A53 Gr.B	Typical
110	MM-5	N109	N171			Tube Standoff	None	None	A500 Gr.B Rect	Typical
111	MM-6	N110	N172			Tube Standoff	None	None	A500 Gr.B Rect	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	SF1-D1					Tension ...	Yes	** NA **			None
2	SF1-D1-X					Tension ...	Yes	** NA **			None
3	SF2-D1					Tension ...	Yes	** NA **			None
4	SF2-D1-X					Tension ...	Yes	** NA **			None
5	SF1-V1						Yes	** NA **			None
6	SF1-V2						Yes	** NA **			None
7	SF2-V1						Yes	** NA **			None
8	SF2-V2						Yes	** NA **			None
9	SF1-CPB		BenPIN				Yes	** NA **			None
10	SF1-CPT		BenPIN				Yes	** NA **			None
11	SF2-CPB		BenPIN				Yes	** NA **			None
12	SF2-CPT		BenPIN				Yes	** NA **			None
13	FFBH-1						Yes	** NA **			None
14	FFBH-2						Yes	** NA **			None
15	FFBH-3						Yes	** NA **			None
16	FFTH-1						Yes	** NA **			None
17	FFTH-2						Yes	** NA **			None
18	FFTH-3						Yes	** NA **			None
19	BC-BH1						Yes	** NA **			None
20	BC-BH2						Yes	** NA **			None
21	BC-TH1						Yes	** NA **			None
22	BC-TH2						Yes	** NA **			None
23	SA-1	BenPIN	BenPIN				Yes	** NA **			None
24	SF1-BH						Yes	** NA **			None
25	SF1-TH						Yes	** NA **			None
26	SF2-BH						Yes	** NA **			None

RISA A NEMETSCHEK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonebury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
27	SF2-TH						Yes	** NA **			None
28	MP-1						Yes	** NA **			None
29	MP-2						Yes	** NA **			None
30	MP-3						Yes	** NA **			None
31	MP-4						Yes	** NA **			None
32	RRU-1						Yes	** NA **			None
33	RRU-2						Yes	** NA **			None
34	SA-2	BenPIN	BenPIN				Yes	** NA **			None
35	SF3-D1					Tension ...	Yes	** NA **			None
36	SF3-D1-X					Tension ...	Yes	** NA **			None
37	SF4-D1					Tension ...	Yes	** NA **			None
38	SF4-D1-X					Tension ...	Yes	** NA **			None
39	SF3-V1						Yes	** NA **			None
40	SF3-V2						Yes	** NA **			None
41	SF4-V1						Yes	** NA **			None
42	SF4-V2						Yes	** NA **			None
43	SF3-CPB		BenPIN				Yes	** NA **			None
44	SF3-CPT		BenPIN				Yes	** NA **			None
45	SF4-CPB		BenPIN				Yes	** NA **			None
46	SF4-CPT		BenPIN				Yes	** NA **			None
47	FFBH-4						Yes	** NA **			None
48	FFBH-5						Yes	** NA **			None
49	FFBH-6						Yes	** NA **			None
50	FFTH-4						Yes	** NA **			None
51	FFTH-5						Yes	** NA **			None
52	FFTH-6						Yes	** NA **			None
53	BC-BH3						Yes	** NA **			None
54	BC-BH4						Yes	** NA **			None
55	BC-TH3						Yes	** NA **			None
56	BC-TH4						Yes	** NA **			None
57	SA-3	BenPIN	BenPIN				Yes	** NA **			None
58	SF3-BH						Yes	** NA **			None
59	SF3-TH						Yes	** NA **			None
60	SF4-BH						Yes	** NA **			None
61	SF4-TH						Yes	** NA **			None
62	MP-5						Yes	** NA **			None
63	MP-6						Yes	** NA **			None
64	MP-7						Yes	** NA **			None
65	MP-8						Yes	** NA **			None
66	RRU-3						Yes	** NA **			None
67	RRU-4						Yes	** NA **			None
68	SA-4	BenPIN					Yes	** NA **			None
69	SF5-D1					Tension ...	Yes	** NA **			None
70	SF5-D1-X					Tension ...	Yes	** NA **			None
71	SF6-D1					Tension ...	Yes	** NA **			None
72	SF6-D1-X						Yes	** NA **			None
73	SF5-V1						Yes	** NA **			None
74	SF5-V2						Yes	** NA **			None
75	SF6-V1						Yes	** NA **			None
76	SF6-V2						Yes	** NA **			None
77	SF5-CPB		BenPIN				Yes	** NA **			None
78	SF5-CPT		BenPIN				Yes	** NA **			None
79	SF6-CPB		BenPIN				Yes	** NA **			None
80	SF6-CPT		BenPIN				Yes	** NA **			None
81	FFBH-7						Yes	** NA **			None
82	FFBH-8						Yes	** NA **			None
83	FFBH-9						Yes	** NA **			None

Material Takeoff

	Material	Size	Pieces	Length[ft]	Weight[K]
1	General				
2	RIGID		12	8.4	0
3	Total General		12	8.4	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	7/8 SR	12	50	.1
7	A36 Gr.36	PL3.5x5/8	12	4.6	0
8	A36 Gr.36	SR 5/8	12	40	0
9	A500 Gr.B Rect	HSS3X3X3	6	4	0
10	A53 Gr.B	PIPE_2.0	36	254.5	.9
11	A53 Gr.B	PIPE_2.5	18	87	.5
12	A53 Gr.B	PIPE_3.0	3	21	.1
13	Total HR Steel		99	461.1	1.7

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	SF1-1	Reaction	Reaction	Reaction			
2	SF1-2	Reaction	Reaction	Reaction			
3	N55	Reaction	Reaction	Reaction			
4	N56	Reaction	Reaction	Reaction			
5	N109	Reaction	Reaction	Reaction			
6	N110	Reaction	Reaction	Reaction			

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design Rules
1	SF1-D1	SF2-2	SF2-3			Bracing 1	None	None	A36 Gr.36	Typical
2	SF1-D1-X	SF2-1	SF2-4			Bracing 1	None	None	A36 Gr.36	Typical
3	SF2-D1	SF3-2	SF3-3			Bracing 1	None	None	A36 Gr.36	Typical
4	SF2-D1-X	SF3-1	SF3-4			Bracing 1	None	None	A36 Gr.36	Typical
5	SF1-V1	SF2-V1A	SF2-V1B			Bracing 2	None	None	A36 Gr.36	Typical
6	SF1-V2	SF2-V2A	SF2-V2B			Bracing 2	None	None	A36 Gr.36	Typical
7	SF2-V1	SF3-V1A	SF3-V1B			Bracing 2	None	None	A36 Gr.36	Typical
8	SF2-V2	SF3-V2A	SF3-V2B			Bracing 2	None	None	A36 Gr.36	Typical
9	SF1-CPB	SF2-4	SF2-6		90	Connection Plate	None	None	A36 Gr.36	Typical
10	SF1-CPT	SF2-3	SF2-5		90	Connection Plate	None	None	A36 Gr.36	Typical
11	SF2-CPB	SF3-4	SF3-6		90	Connection Plate	None	None	A36 Gr.36	Typical
12	SF2-CPT	SF3-3	SF3-5		90	Connection Plate	None	None	A36 Gr.36	Typical
13	FFBH-1	FF3	SF2-6			Face Horizontals	None	None	A53 Gr.B	Typical
14	FFBH-2	SF2-6	SF3-6			Face Horizontals	None	None	A53 Gr.B	Typical
15	FFBH-3	SF3-6	FF4			Face Horizontals	None	None	A53 Gr.B	Typical
16	FFTH-1	FF1	SF2-5			Face Horizontals	None	None	A53 Gr.B	Typical
17	FFTH-2	SF2-5	SF3-5			Face Horizontals	None	None	A53 Gr.B	Typical
18	FFTH-3	SF3-5	FF2			Face Horizontals	None	None	A53 Gr.B	Typical
19	BC-BH1	SF3-2	S1-2			RIGID	None	None	RIGID	Typical
20	BC-BH2	S1-2	SF2-2			RIGID	None	None	RIGID	Typical
21	BC-TH1	SF3-1	S1-1			RIGID	None	None	RIGID	Typical
22	BC-TH2	S1-1	SF2-1			RIGID	None	None	RIGID	Typical
23	SA-1	N40	S2-1			Stabilizer Arm	None	None	A53 Gr.B	Typical
24	SF1-BH	SF2-2	SF2-4			Support Horizontal	None	None	A53 Gr.B	Typical
25	SF1-TH	SF2-1	SF2-3			Support Horizontal	None	None	A53 Gr.B	Typical
26	SF2-BH	SF3-2	SF3-4			Support Horizontal	None	None	A53 Gr.B	Typical
27	SF2-TH	SF3-1	SF3-3			Support Horizontal	None	None	A53 Gr.B	Typical
28	MP-1	MP-1A	MP-1B			Mount Pipe	None	None	A53 Gr.B	Typical

RISA A NELSET SCHIRK COMPANY
Company : Tower Engineering Professionals, Inc.
Designer : CJB
Job Number : TEP No. 315636.844757
Model Name : Glastonbury Montano Rd (CTL01809)
Apr 27, 2023
12:05 PM
Checked By: DEN

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design Rules
29	MP-2	N40A	MP-2B			Mount Pipe	None	None	A53 Gr.B	Typical
30	MP-3	MP-3A	MP-3B			Mount Pipe	None	None	A53 Gr.B	Typical
31	MP-4	MP-4A	MP-4B			Mount Pipe	None	None	A53 Gr.B	Typical
32	RRU-1	N51	N49			RRU Pipe	None	None	A53 Gr.B	Typical
33	RRU-2	N52	N50			RRU Pipe	None	None	A53 Gr.B	Typical
34	SA-2	N54	S2-3			Stabilizer Arm	None	None	A53 Gr.B	Typical
35	SF3-D1	N63	N64			Bracing 1	None	None	A36 Gr.36	Typical
36	SF3-D1-X	N62	N65			Bracing 1	None	None	A36 Gr.36	Typical
37	SF4-D1	N71	N72			Bracing 1	None	None	A36 Gr.36	Typical
38	SF4-D1-X	N70	N73			Bracing 1	None	None	A36 Gr.36	Typical
39	SF3-V1	N66	N68			Bracing 2	None	None	A36 Gr.36	Typical
40	SF3-V2	N67	N69			Bracing 2	None	None	A36 Gr.36	Typical
41	SF4-V1	N74	N76			Bracing 2	None	None	A36 Gr.36	Typical
42	SF4-V2	N75	N77			Bracing 2	None	None	A36 Gr.36	Typical
43	SF3-CPB	N65	N79		90	Connection Plate	None	None	A36 Gr.36	Typical
44	SF3-CPT	N64	N78		90	Connection Plate	None	None	A36 Gr.36	Typical
45	SF4-CPB	N73	N81		90	Connection Plate	None	None	A36 Gr.36	Typical
46	SF4-CPT	N72	N80		90	Connection Plate	None	None	A36 Gr.36	Typical
47	FFBH-4	N59	N79			Face Horizontals	None	None	A53 Gr.B	Typical
48	FFBH-5	N79	N81			Face Horizontals	None	None	A53 Gr.B	Typical
49	FFBH-6	N81	N60			Face Horizontals	None	None	A53 Gr.B	Typical
50	FFTH-4	N57	N78			Face Horizontals	None	None	A53 Gr.B	Typical
51	FFTH-5	N78	N80			Face Horizontals	None	None	A53 Gr.B	Typical
52	FFTH-6	N80	N58			Face Horizontals	None	None	A53 Gr.B	Typical
53	BC-BH3	N71	S2-3			RIGID	None	None	RIGID	Typical
54	BC-BH4	S2-3	N63			RIGID	None	None	RIGID	Typical
55	BC-TH3	N70	S2-1			RIGID	None	None	RIGID	Typical
56	BC-TH4	S2-1	N62			RIGID	None	None	RIGID	Typical
57	SA-3	N82	S3-1			Stabilizer Arm	None	None	A53 Gr.B	Typical
58	SF3-BH	N63	N65			Support Horizontal	None	None	A53 Gr.B	Typical
59	SF3-TH	N62	N64			Support Horizontal	None	None	A53 Gr.B	Typical
60	SF4-BH	N71	N73			Support Horizontal	None	None	A53 Gr.B	Typical
61	SF4-TH	N70	N72			Support Horizontal	None	None	A53 Gr.B	Typical
62	MP-5	N91	N95			Mount Pipe	None	None	A53 Gr.B	Typical
63	MP-6	N94	N98			Mount Pipe	None	None	A53 Gr.B	Typical
64	MP-7	N93	N97			Mount Pipe	None	None	A53 Gr.B	Typical
65	MP-8	N92	N96			Mount Pipe	None	None	A53 Gr.B	Typical
66	RRU-3	N105	N103			RRU Pipe	None	None	A53 Gr.B	Typical
67	RRU-4	N106	N104			RRU Pipe	None	None	A53 Gr.B	Typical
68	SA-4	N108	S3-2			Stabilizer Arm	None	None	A53 Gr.B	Typical
69	SF5-D1	N117	N118			Bracing 1	None	None	A36 Gr.36	Typical
70	SF5-D1-X	N116	N119			Bracing 1	None	None	A36 Gr.36	Typical
71	SF6-D1	N125	N126			Bracing 1	None	None	A36 Gr.36	Typical
72	SF6-D1-X	N124	N127			Bracing 1	None	None	A36 Gr.36	Typical
73	SF5-V1	N120	N122			Bracing 2	None	None	A36 Gr.36	Typical
74	SF5-V2	N121	N123			Bracing 2	None	None	A36 Gr.36	Typical
75	SF6-V1	N128	N130			Bracing 2	None	None	A36 Gr.36	Typical
76	SF6-V2	N129	N131			Bracing 2	None	None	A36 Gr.36	Typical
77	SF5-CPB	N119	N133		90	Connection Plate	None	None	A36 Gr.36	Typical
78	SF5-CPT	N118	N132		90	Connection Plate	None	None	A36 Gr.36	Typical
79	SF6-CPB	N127	N135		90	Connection Plate	None	None	A36 Gr.36	Typical
80	SF6-CPT	N126	N134		90	Connection Plate	None	None	A36 Gr.36	Typical
81	FFBH-7	N113	N133			Face Horizontals	None	None	A53 Gr.B	Typical
82	FFBH-8	N133	N135			Face Horizontals	None	None	A53 Gr.B	Typical
83	FFBH-9	N135	N114			Face Horizontals	None	None	A53 Gr.B	Typical
84	FFTH-7	N111	N132			Face Horizontals	None	None	A53 Gr.B	Typical
85	FFTH-8	N132	N134			Face Horizontals	None	None	A53 Gr.B	Typical

(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

(Global) Model Settings, Continued

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

Hot Rolled Steel Properties

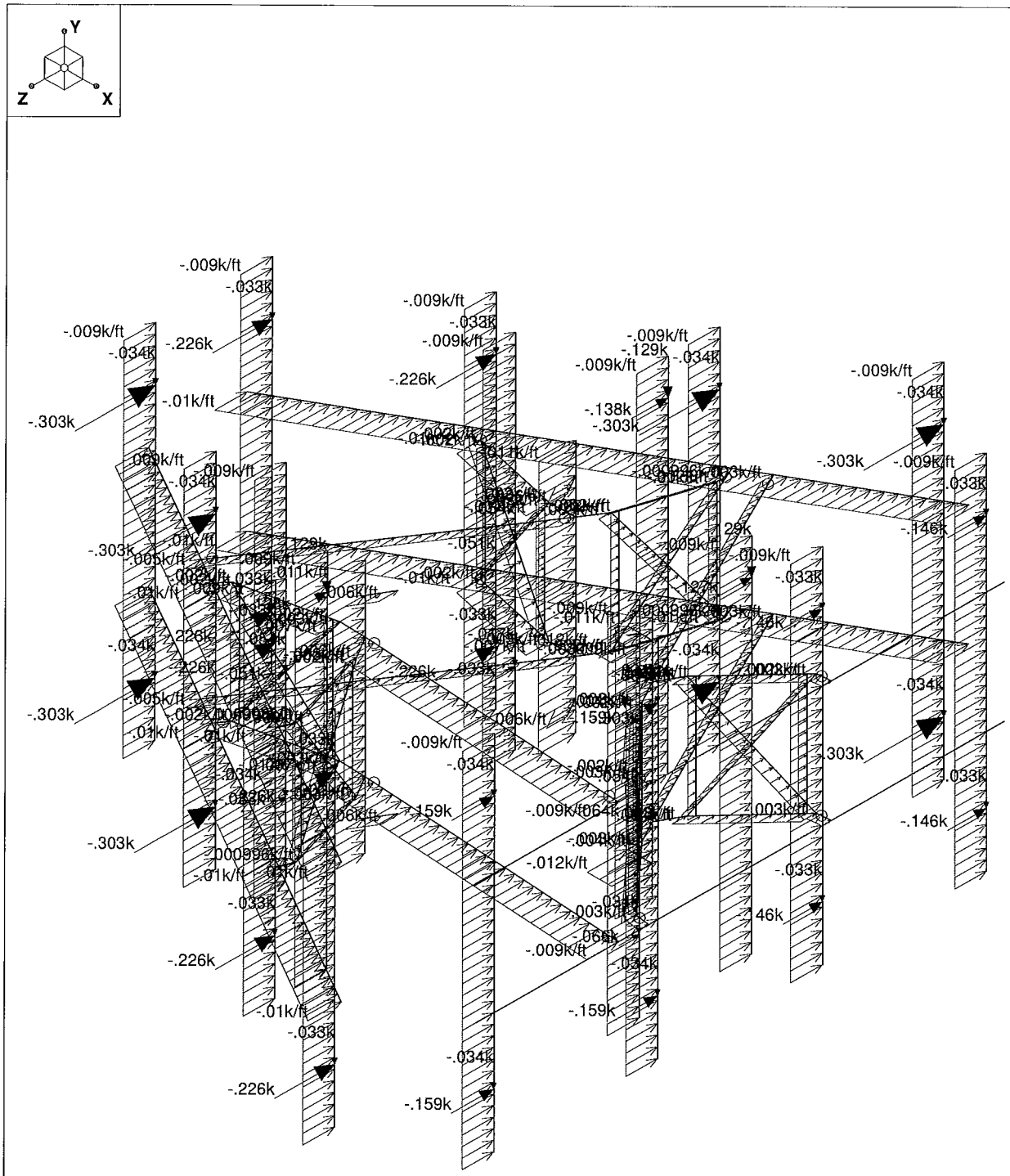
	Label	E [ksi]	G [ksi]	Nu	Therm (\1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154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

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontals	PIPE_2.5	None	None	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
2	Support Horizontal	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Bracing 1	7/8 SR	None	None	A36 Gr.36	Typical	.601	.029	.029	.058
4	Bracing 2	SR 5/8	None	None	A36 Gr.36	Typical	.307	.007	.007	.015
5	Connection Plate	PL3.5x5/8	None	None	A36 Gr.36	Typical	2.188	.071	2.233	.253
6	Mount Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Stabilizer Arm	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	RRU Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Pipe Mount	PIPE_3.0	None	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
10	Tube Standoff	HSS3X3X3	None	None	A500 Gr.B ...	Typical	1.89	2.46	2.46	4.03

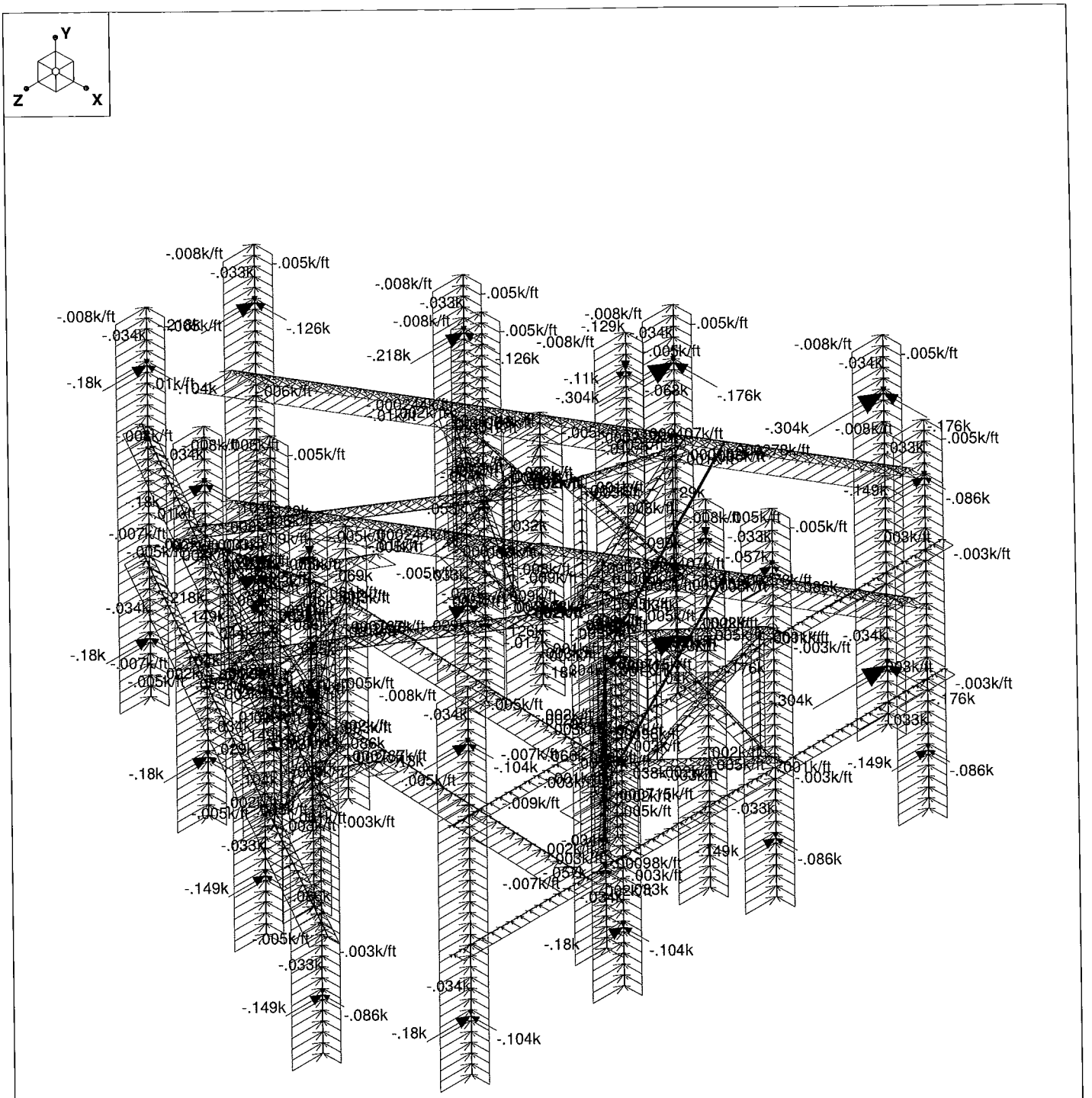
Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	CF1A	8CU1.25X057	Beam	None	A653 SS Gr33	Typical	.581	.057	4.41	.00063



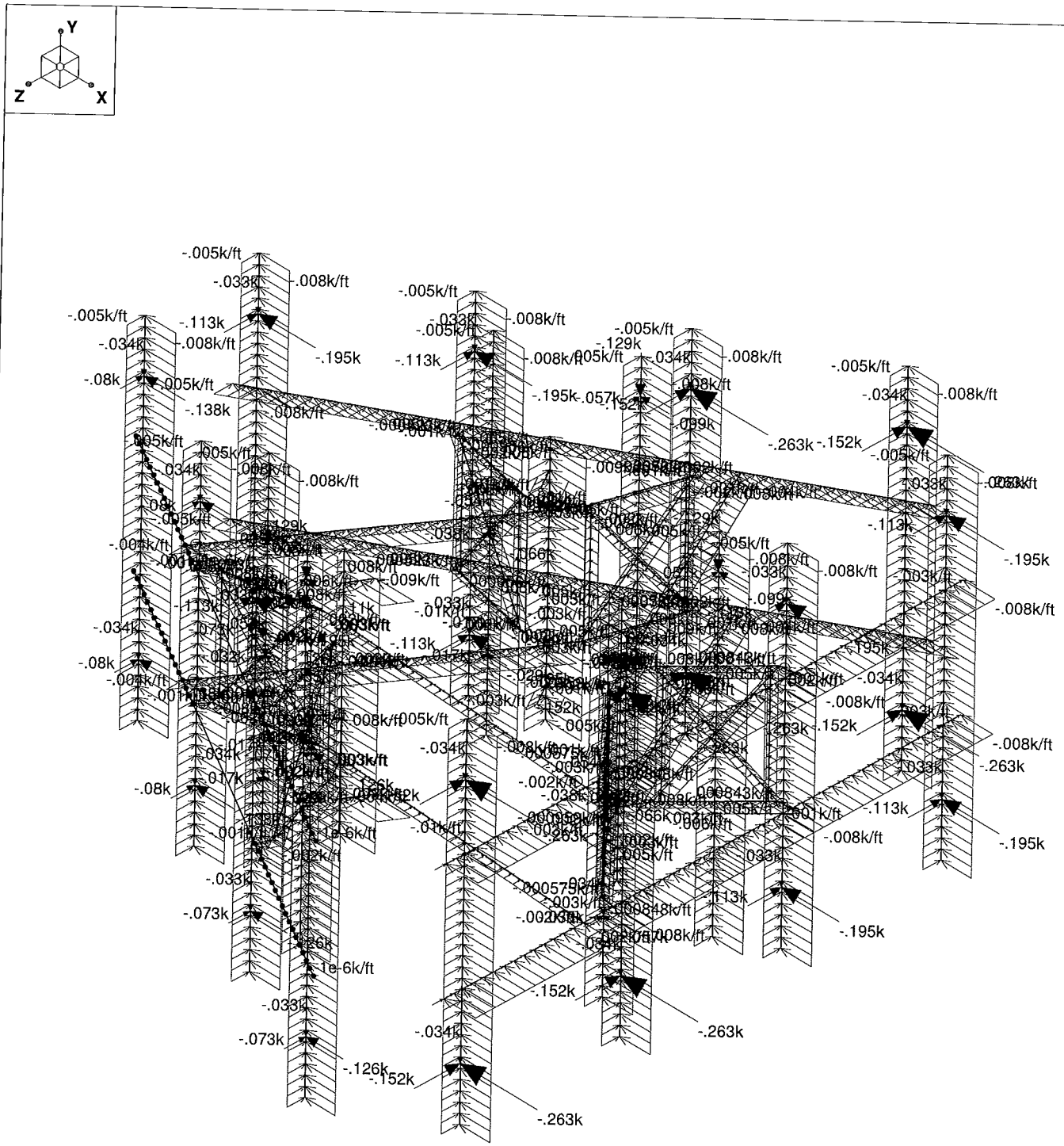
Loads: LC 6, 0.9D+1.0 90-Wind
Envelope Only Solution

Tower Engineering Profes...	Glastonebury Montano Rd (CTL01809)	SK - 5
CJB		Apr 27, 2023 at 12:07 PM
TEP No. 315636.844757		S-37 Sector Mount.r3d



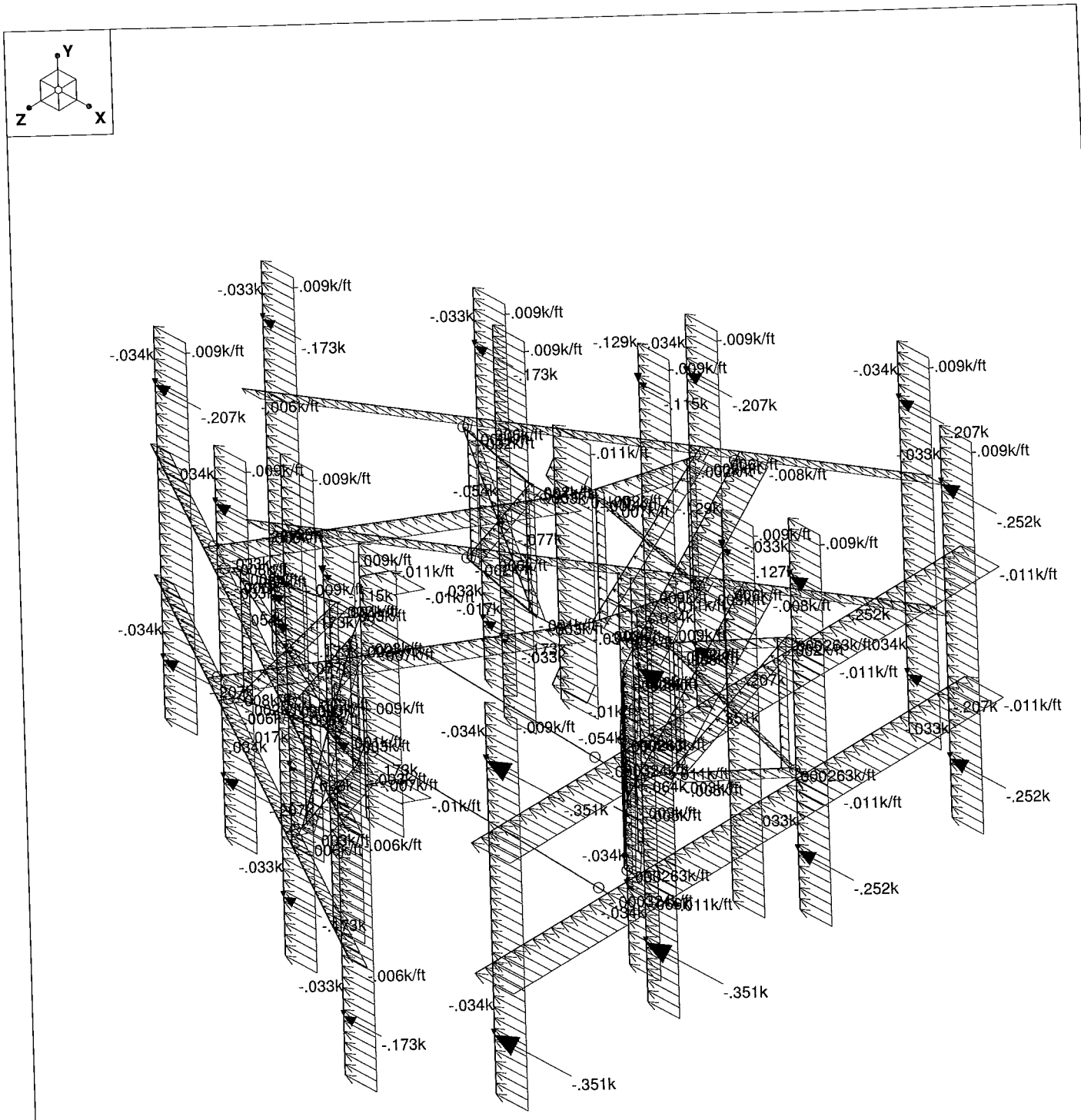
Loads: LC 5, 0.9D+1.0 60-Wind
Envelope Only Solution

Tower Engineering Profes...	Glastonebury Montano Rd (CTL01809)	SK - 4
CJB		Apr 27, 2023 at 12:07 PM
TEP No. 315636.844757		S-37 Sector Mount.r3d



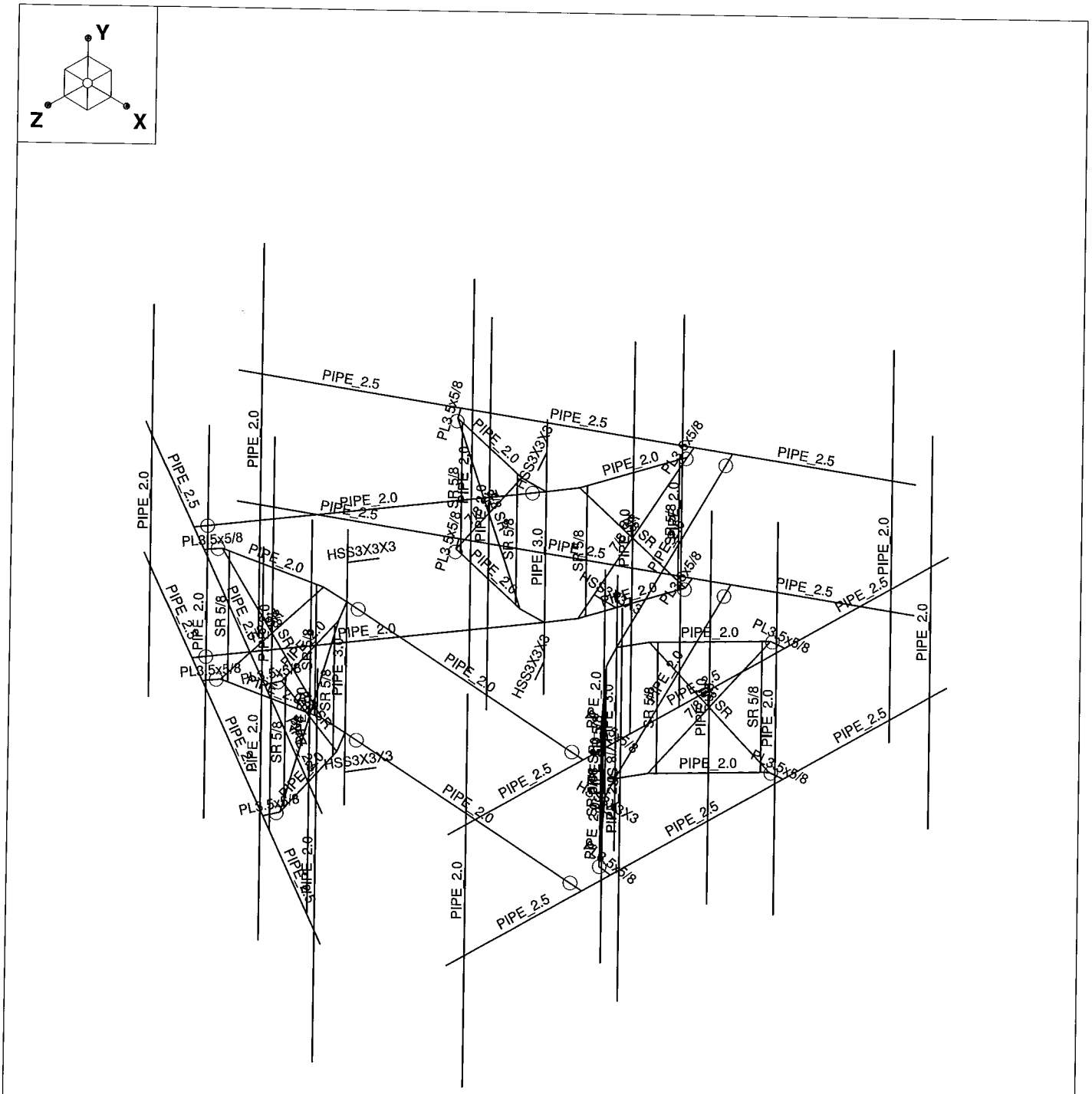
Loads: LC 3, 0.9D+1.0 30-Wind
Envelope Only Solution

Tower Engineering Profes...	Glastonebury Montano Rd (CTL01809)	SK - 3
CJB		Apr 27, 2023 at 12:07 PM
TEP No. 315636.844757		S-37 Sector Mount.r3d



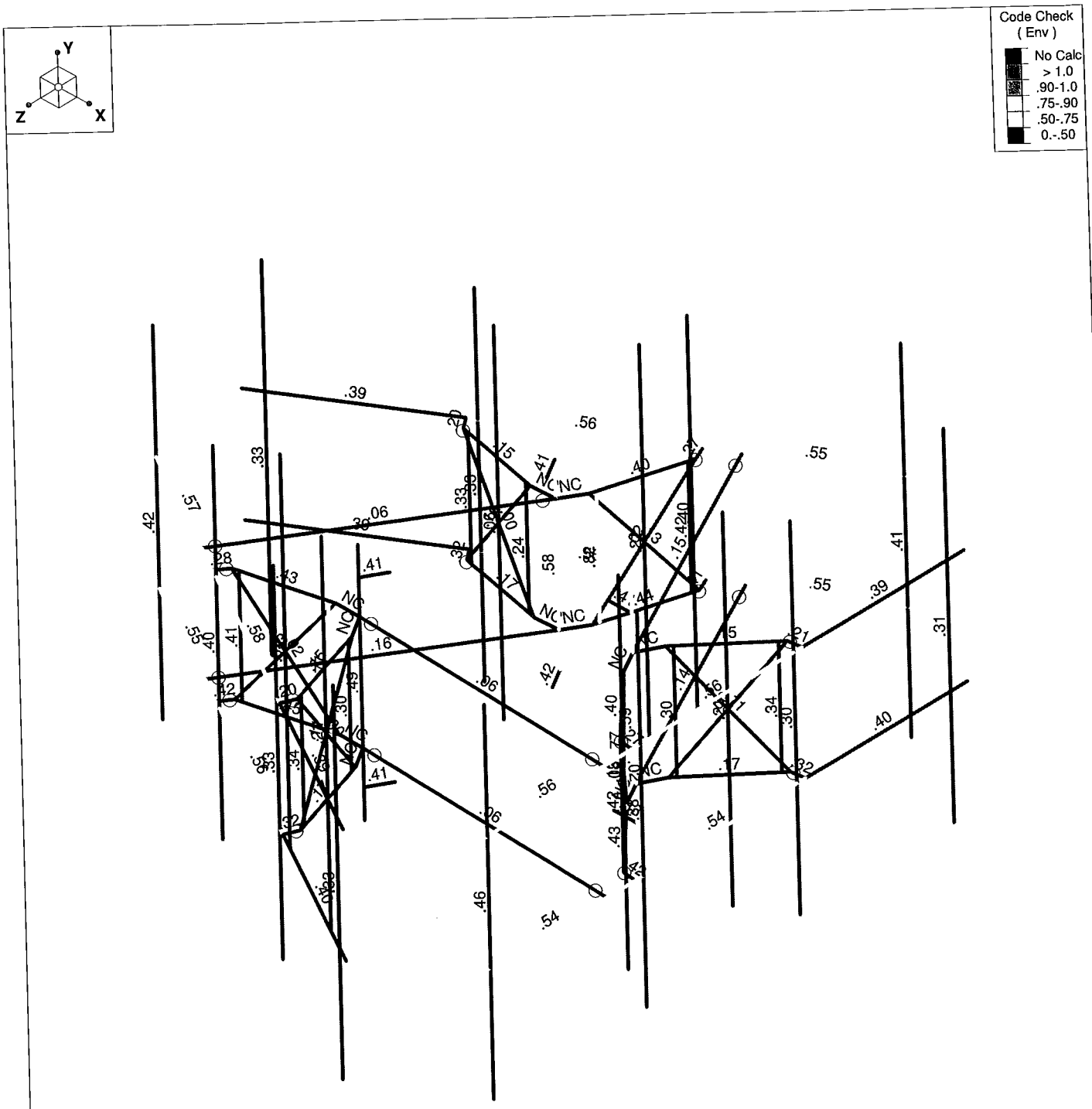
Loads: LC 2, 0.9D+1.0 0-Wind
Envelope Only Solution

Tower Engineering Profes...	Glastonebury Montano Rd (CTL01809)	SK - 2
CJB		Apr 27, 2023 at 12:06 PM
TEP No. 315636.844757		S-37 Sector Mount.r3d



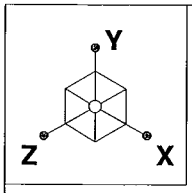
Envelope Only Solution

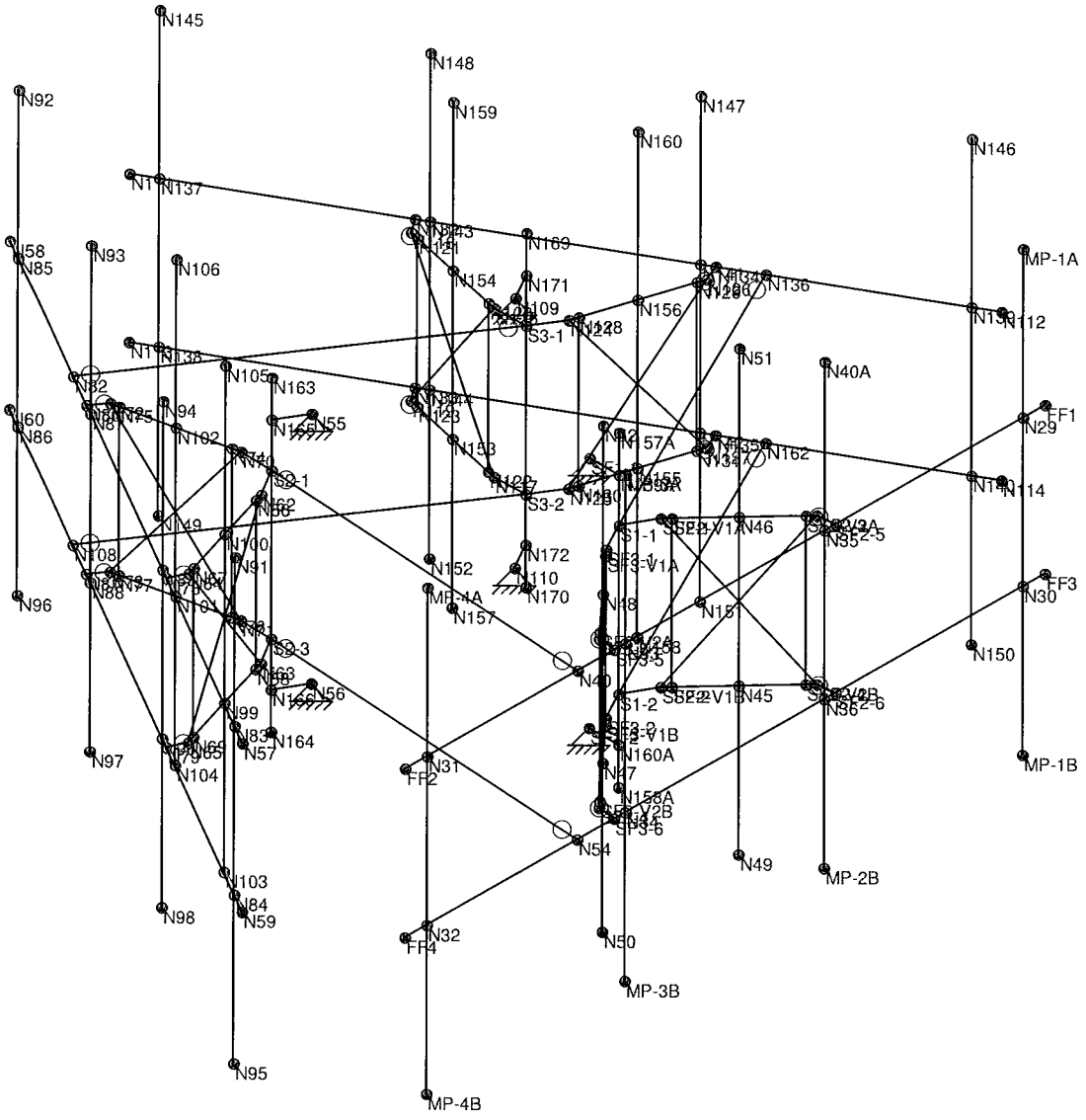
Tower Engineering Profes...	Glastonebury Montano Rd (CTL01809)	SK - 4
CJB		Apr 27, 2023 at 10:21 AM
TEP No. 315636.844757		S-37 Sector Mount.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

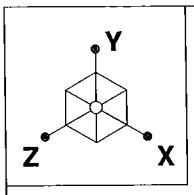
Tower Engineering Profes...	Glastonebury Montano Rd (CTL01809)	SK - 1
CJB		Apr 27, 2023 at 12:06 PM
TEP No. 315636.844757		S-37 Sector Mount.r3d

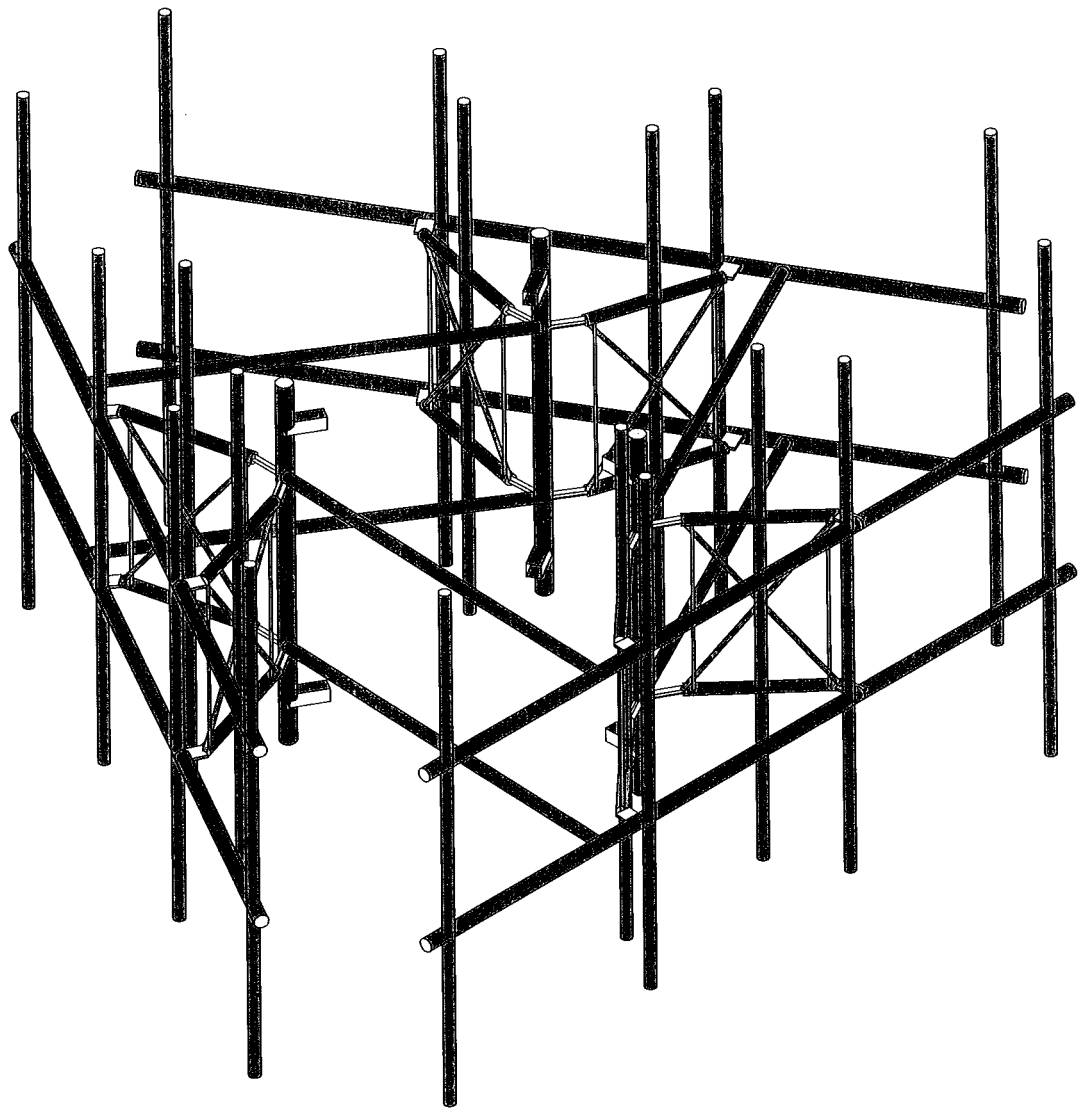




Envelope Only Solution

Tower Engineering Profes...	Glastonebury Montano Rd (CTL01809)	SK - 2
CJB		Apr 27, 2023 at 10:20 AM
TEP No. 315636.844757		S-37 Sector Mount.r3d





Envelope Only Solution

Tower Engineering Profes...	Glastonebury Montano Rd (CTL01809)	SK - 1
CJB		Apr 27, 2023 at 10:19 AM
TEP No. 315636.844757		S-37 Sector Mount.r3d

APPENDIX A

RISA-3D OUTPUT

Table 4 - TARP Mount Specification

RAD Center	Number of Loaded Mount Pipes / Sector	Allowable EPA per Pipe[1] (ft^2)	Allowable Weight per Pipe[1] (lbf)
100.0	***6***	***10.2***	***99.8***

Notes:
1) This allowable value is an average of the loaded mount pipes per sector

Table 5 - Documents Provided

Document	Remarks	Source
Mount Assembly Drawings	Site Pro 1, dated 12/7/2020 VFA14-H10-2120	TEP
Preliminary Construction Drawings	Hudson Design Group, LLC, dated 8/11/2022	Smartlink LLC
RFDS	RFDS ID: 5122980, dated April 24, 2022	Smartlink LLC

RECOMMENDATIONS

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

ANALYSIS 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, transmission cables, mounts and other appurtenances are as specified in Table 2. 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.
4) Serviceability with respect to antenna twist, tilt, roll, or lateral translation, is not checked and is left to the carrier or tower owner to ensure conformance.
5) 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 3-D 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 mount.

ANALYSIS CRITERIA

Table 1 - Mount Analysis Parameters

Ultimate Wind Speed (MPH)	Ice Thickness (in)	Ice Wind Speed (MPH)	Exposure Category	Risk Category	Topographic Procedure	K_{zt}	Seismic Design Category
119	*1.5*	*50*	*C*	*II*	*Method 1*	*1.0*	*B*

Table 2 - Existing, Proposed, and Reserved Antenna Loading Configuration

Existing/ Proposed/ Reserved	Mount Level (ft)	Ant CL (ft)	Qty	Antenna Model	Mount Type	Owner/ Tenant
Proposed	*100.0*	*100.0*	*6*	*CCI Antennas OPA65R-BU8DA*	(3) VFA14-H10-2120 Sector Mounts	*AT&T*
			3	*Ericsson RRUS 8843 B2/B66A*		
			3	*Ericsson RRUS 4449 B5/B12*		
			3	*Ericsson RRUS 4478 B14*		
Existing	100.0	100.0	6	CCI Antennas HPA-65R-BUU-H8	-	AT&T
			4	Raycap DC6-48-60-18-8F		
To Be Removed	*100.0*	*100.0*	*6*	*CCI Antennas HPA-65R-BUU-H8*	*Existing Platform Mount*	*AT&T*
			3	*Ericsson RRUS 11 B12*		
			3	*Ericsson RRUS-12 B2*		
			3	*Ericsson RRUS-A2 B25*		

ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity

Notes	Component	% Capacity	Pass / Fail
-	Face Horizontal	57.9	Pass
-	Support Vertical	81.8	Pass
-	Support Horizontal	45.1	Pass
-	Support Diagonal	12.9	Pass
-	Pipe Mount	58.8	Pass
-	Stabilizer	15.5	Pass
-	Mount Pipe	46.4	Pass
-	Connection Bolts	18.2	Pass
Structure Rating (max from all components) =			**81.8%**

April 27, 2023

Courtney Ruhff
Smartlink LLC
1997 Annapolis Exchange Pkwy, Suite 200
Annapolis, MD 21401
(407) 970 5858

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

Subject: **Appurtenance Replacement Mount Analysis**

Carrier Designation: ***AT&T Mobility* Reconfiguration**

Site Name: Glastonbury Montano RD
FA Location Code: 10577834

TEP Project Number: 315636.844757

Engineering Firm Designation:

Site Data: **58A Montano Rd, Glastonbury, Hartford County, CT 06033**
Latitude *41° 41' 57.99"*, Longitude *-72° 33' 50.40"*
119± Foot - Monopole Tower
100.0 Foot Mount Height - Sector

Dear Courtney Ruhff,

Tower Engineering Professionals is pleased to submit this **"Appurtenance Replacement Mount Analysis"** to determine the structural integrity of the antenna mount on the above mentioned tower.

The purpose of the analysis is to determine acceptability of the proposed mount's stress level. Based on our analysis we have determined the stress level for the mount structure, under the following load case, to be:

Sufficient Capacity

LC1: Existing + Proposed + Reserved Loading
Note: See Table 2 for the existing, proposed, and reserved loading

Mount Capacity
81.8%

The analysis has been performed in accordance with the ANSI/TIA-222-H Structural Standard for Antenna Supporting Structures, Antennas, and Small Wind Turbine Support Structures, the 2022 Connecticut State Building Code, and the AT&T Mount Technical Guidance – Revision 22.

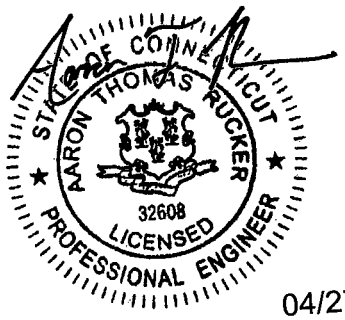
All equipment proposed in this report shall be installed in accordance with the appurtenances listed in Table 2 for the determined available structural capacity to be effective.

We at *Tower Engineering Professionals* appreciate the opportunity of providing our continuing professional services to you and Smartlink LLC. If you have any questions or need further assistance on this or any other projects please give us a call.

Structural analysis prepared by: Cooper Bowen, P.E. / DEN

Respectfully submitted by:

Aaron T. Rucker, P.E.



04/27/2023

Stiffened or Unstiffened, Exterior Flange Plate - Any Bolt Material TIA Rev H

Reactions		
Mu	422.34	ft-kips
Axial, Pu:	20.74	kips
Shear, Vu:	20.56	kips
Elevation:	81	feet

Bolt Threads:
X-Excluded
φVn=φ(0.55*Ab*Fu)
φ=0.75, φ*Vn (kips):
76.54

Pole Manufacturer:	Other

If No stiffeners, Criteria:	TIA H	<-Only Applcable to Unstiffened Cases

Bolt Data			
Qty:	20		
Diameter (in.):	1.5	Bolt Fu:	105
Bolt Material:	A325	Bolt Fy:	81
N/A:	100	<-- Disregard	
N/A:	75	<-- Disregard	
Circle (in.):	42.75		

Plate Data		
Diam:	48	in
Thick, t:	2	in
Grade (Fy):	60	ksi
Strength, Fu:	75	ksi
Single-Rod B-eff:	6.06	in

Stiffener Data (Welding at Both Sides)		
Config:	0	*
Weld Type:		
Groove Depth:		<-- Disregard
Groove Angle:		<-- Disregard
Fillet H. Weld:		in
Fillet V. Weld:		in
Width:		in
Height:		in
Thick:		in
Notch:		in
Grade:		ksi
Weld str.:		ksi

Pole Data		
Diam:	38.173	in
Thick:	0.3125	in
Grade:	65	ksi
# of Sides:	18	"0" IF Round
Fu	80	ksi
Reinf. Fillet Weld	0	"0" if None

Flange Bolt Results

Bolt Tension Capacity, φ*Tn,B1:	111.04	kips
Adjusted φ*Tn (due to Vu=Vu/Qty), B:	111.03	kips
Max Bolt directly applied Tu:	22.67	Kips
Min. PL "tc" for B cap. w/o Pry:	1.299	in
Min PL "treq" for actual T w/ Pry:	0.445	in
Min PL "t1" for actual T w/o Pry:	0.587	in
T allowable w/o Prying:	111.04	kips
Prying Force, q:	0.00	kips
Total Bolt Tension=Tu+q:	22.67	kips
Non-Prying Bolt Stress Ratio, Tu/B:	20.4%	**Pass**

Rigid
φ*Tn
φTn[(1-(Vu/φVn)^2]^0.5

α'<0 case

Exterior Flange Plate Results Flexural Check

Compression Side Plate Stress:	5.5	ksi
Allowable Plate Stress:	54.0	ksi
Compression Plate Stress Ratio:	10.2%	**Pass**
No Prying		
Tension Side Stress Ratio, (treq/t)^2:	4.9%	**Pass**

Rigid
TIA G
φ*Fy
Comp. Y.L. Length: 19.25

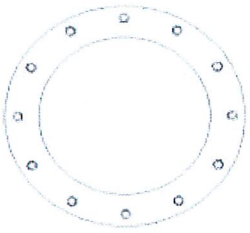
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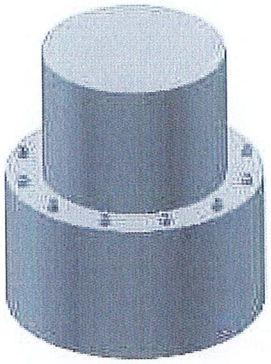
Stiffener Results

Horizontal Weld :	n/a
Vertical Weld:	n/a
Plate Flex+Shear, fb/Fb+(fv/Fv)^2:	n/a
Plate Tension+Shear, ft/Ft+(fv/Fv)^2:	n/a
Plate Comp. (AISC Bracket):	n/a

Pole Results

Pole Punching Shear Check: n/a





* 0 = none, 1 = every bolt, 2 = every 2 bolts, 3 = 2 per bolt

** Note: for complete joint penetration groove welds the groove depth must be exactly 1/2 the stiffener thickness for calculation purposes

Check Soil Capacities:

					Usage	
Allowable Foundation Overturning Resistance (kips-ft.):	11002.3	>	Design Factored Moment (kips-ft):	2934	0.27	OK!
Factor of Safety of Passive Soil Resistance against Moment:	3.75	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):		0.75		
Strength reduction factor (Axial compresion):	0.65	Wind Load Factor on Concrete Design:		1.00		
					Usage	
Reinforcing Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	1.27		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	7102.8	>	Design Factored Moment (Mu, K-Ft):	2495.9	0.35	OK!
Calculated Shear Capacity (Kips):	1120.9	>	Design Factored Shear (Kips):	228.1	0.20	OK!
Calculated Tension Capacity (Tn, Kips):	2331.7	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	9722	>	Design Factored Axial Load (Pu Kips):	45.7	0.00	OK!
Moment & Axial Strength Combination:	0.35	OK!	Max. Allowable Tie/Stirrup Spacing:	12.00	in.	
Pier Reinforcement Ratio:	0.008	Reinforcement Ratio is satisfied per ACI				

Pier Foundation Design For Monopole

Customer Name:	AT&T	TIA Standard:	TIA-222-H
Site Name:		Structure Height (Ft.):	120
Site Number:	CT13555-S	Engineer Name:	SBA Engineer
Engr. Number:		Engineer Login ID:	

Date: 3/29/2023

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

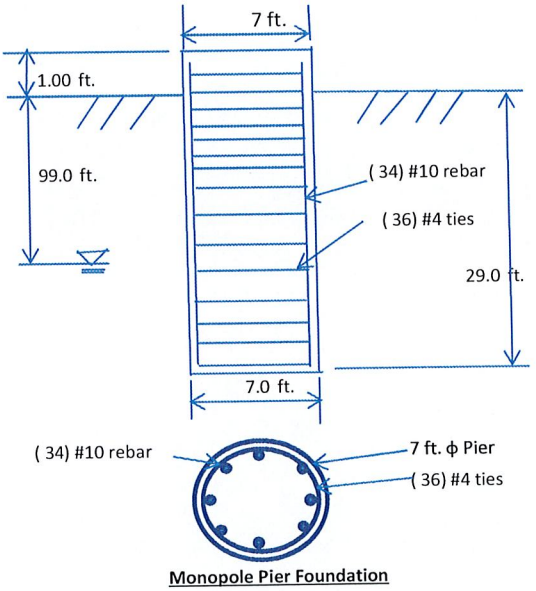
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	45.7	Shear Force (Kips):	27.2
Uplift Force (Kips):	0.0	Moment (Kips-ft):	2379.2

Foundation Geometries:

Mods required -Yes/No ?:	No			ft.
Diameter of Pier (ft.):	7.0	Depth of Base B. G. S. :	29.0	ft.
Pier Height A. G. (ft.):	1.00			



Monopole Pier Foundation

Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield strength:	60	ksi
Vertical Rebar Size #:	10	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	34	Tie Spacing:	12.0	in.
Concrete Cover (in.):	4	Concrete unit weight:	150.0	pcf

Soil Design Parameters:

Water Table B.G.S. (ft):	99.0	Unit weight of water:	62.4	psf
Ratio of Uplift/Axial Skin Friction:	1.0	Pullout failure Angle:	30	(°)
Skin Frictions are to be obtained from:		Soil Report		

Depth of Layers (ft) Top	Bottom	γ_{soil} (pcf)	ϕ (°)	Cohesion (psf)	Ultimate Skin Friction (psf)	Ultimate Bearing (psf)	Soil Types					
0.0	3.5	110	0	0			Sand					
3.5	25.0	110	33	0			Sand					
25.0	29.0	105	30	0			Sand					
29.0	34.0	105					Sand					

Soil weight Increase Factor for bouyant soils (1.0 to 1.15): 1.1

Foundation Analysis and Design:

Uplift Strength Reduction Factor:	0.75	Soil Bearing Strength Reduction Factor:	0.75	
Total Dry Soil Volume from Conical Failure (cu. Ft.):	13814	Dry Soil Weight from Conical Failure:	1501	Kips
Total Buoyant Soil Volume from Conical Failure (cu. Ft.):	0	Buoyant Soil Weight from Conical Failure (K	0	Kips
Total Dry Concrete Volume (cu. Ft.):	1155	Total Dry Concrete Weight:	173.2	Kips
Total Buoyant Concrete Volume (cu. Ft.):	0.0	Total Buoyant Concrete Weight:	0.00	Kips
Total Effective Concrete Weight (Kips):	173.2	Total Effective Soil Weight:	1501.2	Kips
Total Effective Vertical Load on Base (Kips):	97.6			

Base Plate Summary

Structure:	CT13555-S		**Code:**	TIA-222-H	3/31/2023
Site Name:	Montano		**Exposure:**	B	
Height:	119.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 38

Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	50.00	**Bolt Circle:**	65.50
Moment (kip-ft):	5405.00	**Width (in):**	66.00	**Number Bolts:**	20.00
Axial (kip):	60.85	**Style:**	Clipped	**Bolt Type:**	2.25" 18J
Shear (kip):	52.82	**Polygon Sides:**	0.00	**Bolt Diameter (in):**	2.25
		Clip Length (in):	15.00	**Yield (ksi):**	75.00
Analysis (1.2D + 1.0W)		**Effective Len (in):**	9.14	**Ultimate (ksi):**	100.00
Moment (kip-ft):	2379.24	**Moment (kip-in):**	299.25	**Arrangement:**	Clustered
Axial (kip):	45.68	**Allow Stress (ksi):**	67.50	**Cluster Dist (in):**	6.00
Shear (kip):	27.25	**Applied Stress (ksi):**	18.90	**Start Angle (deg):**	45.00
		Stress Ratio:	0.28	Compression	
				Force (kip):	89.46
				Allowable (kip):	268.39
				Ratio:	0.33
				Tension	
				Force (kip):	84.89
				Allowable (kip):	243.75
				Ratio:	0.35

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Final Analysis Summary

Structure:	CT13555-S		**Code:**	TIA-222-H	3/31/2023
Site Name:	Montano		**Exposure:**	B	
Height:	119.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 37

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 120 mph Wind	27.2	0.00	45.68	0.01	2.27	2379.24
0.9D + 1.0W 120 mph Wind	27.2	0.00	34.25	0.01	2.27	2367.97
1.2D + 1.0Di + 1.0Wi 50 mph Wind	7.2	0.00	69.91	0.00	0.50	620.17
1.2D + 1.0Ev + 1.0Eh	1.2	0.00	47.26	0.00	0.00	114.43
0.9D + 1.0Ev + 1.0Eh	1.2	0.00	35.80	0.00	0.00	114.05
1.0D + 1.0W 60 mph Wind	6.1	0.00	38.08	0.00	0.51	530.53

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.0W 120 mph Wind	-45.68	-27.25	-2.27	-2379.2	-0.01	-2379.2	5484.43	1422.5	6889.34	6589.47	0.00	0.370
0.9D + 1.0W 120 mph Wind	-34.25	-27.24	-2.27	-2367.9	-0.01	-2367.9	5484.43	1422.5	6889.34	6589.47	0.00	0.366
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-69.91	-7.21	-0.50	-620.17	0.00	-620.17	5484.43	1422.5	6889.34	6589.47	0.00	0.107
1.2D + 1.0Ev + 1.0Eh	-47.26	-1.15	0.00	-114.43	0.00	-114.43	5484.43	1422.5	6889.34	6589.47	0.00	0.026
0.9D + 1.0Ev + 1.0Eh	-35.80	-1.15	0.00	-114.05	0.00	-114.05	5484.43	1422.5	6889.34	6589.47	0.00	0.024
1.0D + 1.0W 60 mph Wind	-38.08	-6.09	-0.51	-530.53	0.00	-530.53	5484.43	1422.5	6889.34	6589.47	0.00	0.087

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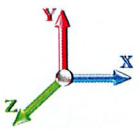
Calculated Forces

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 36	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 17

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-38.08	-6.09	-0.51	-530.53	0.00	530.53	5484.43	1422.51	6889.34	6589.47	0.00	0.000	0.000	0.087
5.00	-36.62	-6.00	-0.51	-500.06	0.00	500.06	5405.01	1390.34	6581.24	6346.09	0.01	-0.021	0.000	0.086
10.00	-35.18	-5.91	-0.51	-470.07	0.00	470.07	5323.53	1358.16	6280.19	6104.68	0.04	-0.042	0.000	0.084
15.00	-33.77	-5.82	-0.51	-440.54	0.00	440.54	5239.98	1325.99	5986.19	5865.43	0.10	-0.064	0.000	0.082
20.00	-32.40	-5.73	-0.51	-411.46	0.00	411.46	5154.37	1293.82	5699.23	5628.50	0.18	-0.085	0.000	0.079
25.00	-31.06	-5.64	-0.51	-382.83	0.00	382.83	5066.69	1261.65	5419.32	5394.05	0.28	-0.106	0.000	0.077
30.00	-29.74	-5.55	-0.51	-354.65	0.00	354.65	4976.95	1229.48	5146.47	5162.27	0.40	-0.128	0.000	0.075
35.00	-28.46	-5.46	-0.51	-326.90	0.00	326.90	4885.14	1197.31	4880.65	4933.31	0.55	-0.150	0.000	0.072
40.00	-27.22	-5.37	-0.51	-299.60	0.00	299.60	4791.27	1165.13	4621.89	4707.35	0.72	-0.171	0.000	0.069
45.00	-26.00	-5.27	-0.51	-272.76	0.00	272.76	4695.33	1132.96	4370.17	4484.56	0.91	-0.192	0.000	0.066
47.00	-25.52	-5.23	-0.51	-262.22	0.00	262.22	4656.37	1120.09	4271.46	4396.37	0.99	-0.201	0.000	0.065
50.00	-24.25	-5.18	-0.51	-246.51	0.00	246.51	4597.32	1100.79	4125.50	4265.11	1.12	-0.214	0.000	0.063
53.00	-23.00	-5.11	-0.51	-230.99	0.00	230.99	3769.04	943.96	3539.34	3503.08	1.26	-0.226	0.000	0.072
55.00	-22.59	-5.08	-0.51	-220.76	0.00	220.76	3738.97	932.93	3457.11	3434.19	1.36	-0.235	0.000	0.070
60.00	-21.60	-4.98	-0.51	-195.37	0.00	195.37	3662.35	905.35	3255.76	3263.55	1.61	-0.257	0.000	0.066
65.00	-20.63	-4.89	-0.51	-170.45	0.00	170.45	3583.67	877.78	3060.44	3095.34	1.89	-0.278	0.000	0.061
70.00	-19.69	-4.79	-0.51	-146.02	0.00	146.02	3502.92	850.20	2871.17	2929.70	2.20	-0.298	-0.001	0.055
75.00	-18.77	-4.69	-0.51	-122.08	0.00	122.08	3420.10	822.63	2687.94	2766.81	2.52	-0.317	-0.001	0.050
80.00	-17.89	-4.60	-0.51	-98.61	0.00	98.61	3335.22	795.05	2510.76	2606.84	2.86	-0.334	-0.001	0.043
81.00	-17.71	-4.58	-0.51	-94.02	0.00	94.02	3318.00	789.54	2476.04	2575.22	2.93	-0.337	-0.001	0.042
81.00	-17.71	-4.58	-0.51	-94.02	0.00	94.02	2626.87	659.03	2070.20	2045.56	2.93	-0.337	-0.001	0.053
85.00	-17.12	-4.50	-0.51	-75.71	0.00	75.71	2576.62	640.65	1956.31	1950.00	3.22	-0.349	-0.001	0.046
89.00	-13.76	-3.68	-0.51	-57.70	0.00	57.70	2525.05	622.27	1845.65	1855.67	3.52	-0.361	-0.001	0.037
90.00	-13.11	-3.56	-0.51	-54.02	0.00	54.02	2511.95	617.67	1818.49	1832.29	3.59	-0.364	-0.001	0.035
95.00	-12.43	-3.47	-0.51	-36.22	0.00	36.22	2445.22	594.69	1685.69	1716.68	3.98	-0.376	-0.001	0.026
99.00	-7.23	-1.71	-0.51	-22.35	0.00	22.35	2390.34	576.31	1583.08	1625.80	4.30	-0.382	-0.001	0.017
100.00	-7.10	-1.69	-0.51	-20.65	0.00	20.65	2376.41	571.71	1557.93	1603.32	4.38	-0.384	-0.001	0.016
105.00	-6.48	-1.60	-0.51	-12.21	0.00	12.21	2305.55	548.73	1435.21	1492.40	4.78	-0.389	-0.001	0.011
109.00	-4.45	-1.02	0.00	-5.81	0.00	5.81	2245.14	530.35	1340.65	1404.12	5.11	-0.391	-0.001	0.006
110.00	-4.33	-1.00	0.00	-4.79	0.00	4.79	2225.68	525.75	1317.52	1379.77	5.19	-0.392	-0.001	0.005
114.00	-0.49	-0.09	0.00	-0.36	0.00	0.36	2147.85	507.37	1226.99	1284.49	5.52	-0.393	-0.001	0.001
115.00	-0.39	-0.07	0.00	-0.28	0.00	0.28	2128.40	502.77	1204.86	1261.20	5.60	-0.393	-0.001	0.000
119.00	0.00	-0.07	0.00	0.00	0.00	0.00	2050.57	484.39	1118.36	1170.18	5.93	-0.393	-0.001	0.000

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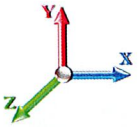
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 17

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
99.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	7.669	0.00	4.16
100.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.030	0.000	7.691	0.00	0.27
100.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.030	0.000	7.691	0.00	1.04
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	7.798	0.00	1.37
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	7.798	0.00	5.20
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.032	0.000	7.881	0.00	1.09
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.032	0.000	7.881	0.00	4.16
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	7.901	0.00	0.27
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	7.901	0.00	1.04
114.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.033	0.000	7.981	0.00	1.09
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.033	0.000	7.981	0.00	4.16
115.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.034	0.000	8.001	0.00	0.27
115.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.034	0.000	8.001	0.00	1.04
119.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.035	0.000	8.079	0.00	1.09
119.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.035	0.000	8.079	0.00	4.16
										Totals:	**0.0**	**156.2**

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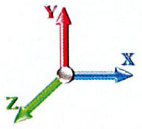
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 17

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	5.432	0.00	1.37
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	5.432	0.00	5.20
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	5.432	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	5.432	0.00	5.20
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	5.432	0.00	1.37
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	5.432	0.00	5.20
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	5.432	0.00	1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	5.432	0.00	5.20
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	5.432	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	5.432	0.00	5.20
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	5.488	0.00	1.37
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	5.488	0.00	5.20
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	5.727	0.00	1.37
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	5.727	0.00	5.20
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	5.944	0.00	1.37
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	5.944	0.00	5.20
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	6.143	0.00	1.37
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	6.143	0.00	5.20
47.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	6.218	0.00	0.55
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	6.218	0.00	2.08
50.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.022	0.000	6.327	0.00	0.82
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.022	0.000	6.327	0.00	3.12
53.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.022	0.000	6.431	0.00	0.82
53.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.022	0.000	6.431	0.00	3.12
55.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	6.498	0.00	0.55
55.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	6.498	0.00	2.08
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	6.659	0.00	1.37
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	6.659	0.00	5.20
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	6.810	0.00	1.37
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	6.810	0.00	5.20
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	6.954	0.00	1.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	6.954	0.00	5.20
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	7.090	0.00	1.37
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	7.090	0.00	5.20
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	7.221	0.00	1.37
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	7.221	0.00	5.20
81.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.026	0.000	7.246	0.00	0.27
81.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.026	0.000	7.246	0.00	1.04
85.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.026	0.000	7.345	0.00	1.09
85.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.026	0.000	7.345	0.00	4.16
89.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.027	0.000	7.441	0.00	1.09
89.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.027	0.000	7.441	0.00	4.16
90.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.028	0.000	7.465	0.00	0.27
90.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.028	0.000	7.465	0.00	1.04
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	7.580	0.00	1.37
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	7.580	0.00	5.20
99.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	7.669	0.00	1.09

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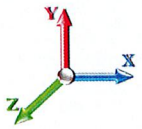
Total Applied Force Summary

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 33	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 17

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		107.32	1465.85	0.00	0.00
10.00		104.88	1434.66	0.00	0.00
15.00		102.44	1403.47	0.00	0.00
20.00		100.01	1372.28	0.00	0.00
25.00		97.57	1341.09	0.00	0.00
30.00		96.11	1309.90	0.00	0.00
35.00		97.74	1278.72	0.00	0.00
40.00		98.77	1247.53	0.00	0.00
45.00		99.32	1216.34	0.00	0.00
47.00		39.43	477.80	0.00	0.00
50.00		60.30	1270.86	0.00	0.00
53.00		60.25	1250.00	0.00	0.00
55.00		40.00	404.87	0.00	0.00
60.00		100.40	993.45	0.00	0.00
65.00		99.63	966.72	0.00	0.00
70.00		98.61	939.99	0.00	0.00
75.00		97.36	913.25	0.00	0.00
80.00		95.91	886.52	0.00	0.00
81.00		18.86	174.10	0.00	0.00
85.00		75.16	585.90	0.00	0.00
89.00	(21) attachments	802.38	3364.75	0.00	0.00
90.00	(1) attachments	118.81	652.48	0.00	0.00
95.00		90.49	679.05	0.00	0.00
99.00	(46) attachments	1727.34	5218.40	0.00	0.00
100.00		17.40	129.57	0.00	0.00
105.00		86.09	616.00	0.00	0.00
109.00	(15) attachments	563.42	2038.44	509.72	0.00
110.00		16.45	115.82	0.00	0.00
114.00	(27) attachments	891.97	3843.96	0.00	417.65
115.00		15.94	99.24	0.00	0.00
119.00	(1) attachments	66.33	394.55	0.00	0.00
	Totals:	**6,086.68**	**38,085.57**	**509.72**	**417.65**

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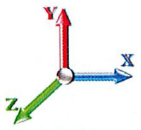
Discrete Appurtenance Forces

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 17

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	119.00	6' Lightning rod	1	8.079	8.887	1.00	1.00	0.38	6.50	0.000	0.000	3.38	0.00	0.00
2	114.00	Ericsson Air32	3	8.021	8.823	0.69	0.80	13.44	396.60	0.000	2.000	118.55	0.00	237.10
3	114.00	Ericsson AIR6449 B41	3	8.021	8.823	0.57	0.80	9.63	309.00	0.000	2.000	84.94	0.00	169.88
4	114.00	Ericsson 4460 B25 + B66	3	7.981	8.779	0.68	0.80	4.37	312.00	0.000	0.000	38.33	0.00	0.00
5	114.00	Ericsson 4449 B71 + B85	3	7.981	8.779	0.72	0.80	4.21	225.00	0.000	0.000	36.98	0.00	0.00
6	114.00	RFS	3	7.981	8.779	0.58	0.80	34.97	384.00	0.000	0.000	307.06	0.00	0.00
7	114.00	Mount Pipes	8	7.981	8.779	0.80	0.80	12.16	480.00	0.000	0.000	106.76	0.00	0.00
8	114.00	Ericsson KRY 112 144/1	3	8.021	8.823	0.58	0.80	0.60	33.00	0.000	2.000	5.34	0.00	10.67
9	114.00	Low Profile Platform	1	7.981	8.779	1.00	1.00	14.69	1250.00	0.000	0.000	128.97	0.00	0.00
10	109.00	Commscope VHLP2-18	2	7.881	8.669	1.00	1.00	25.54	54.00	2.302	0.000	221.40	509.72	0.00
11	109.00	Dual Sector Mounts	3	7.881	8.669	1.00	1.00	12.00	1050.00	0.000	0.000	104.02	0.00	0.00
12	109.00	Mount Pipes	4	7.881	8.669	0.80	0.80	6.08	240.00	0.000	0.000	52.70	0.00	0.00
13	109.00	Argus LLPX310R	3	7.881	8.669	0.58	0.80	7.60	82.68	0.000	0.000	65.91	0.00	0.00
14	109.00	Tower BTS	3	7.881	8.669	0.66	0.80	6.04	135.00	0.000	0.000	52.32	0.00	0.00
15	99.00	Raycap DC6-48-60-18-8F	4	7.669	8.436	0.65	0.80	12.49	131.20	0.000	0.000	105.39	0.00	0.00
16	99.00	CCI HPA-65R-BUU-H8	6	7.669	8.436	0.63	0.80	49.22	408.00	0.000	0.000	415.21	0.00	0.00
17	99.00	Ericsson 8843 B2/B66A	3	7.669	8.436	0.73	0.80	3.58	216.00	0.000	0.000	30.21	0.00	0.00
18	99.00	Ericcson 4449 B5/B12	3	7.669	8.436	0.69	0.80	4.07	213.00	0.000	0.000	34.30	0.00	0.00
19	99.00	Ericcson 4478 B14	3	7.669	8.436	0.63	0.80	3.87	168.00	0.000	0.000	32.63	0.00	0.00
20	99.00	Sector Frames	3	7.669	8.436	0.75	0.75	32.40	2016.00	0.000	0.000	273.32	0.00	0.00
21	99.00	CCI OPA65R-BU8DA	6	7.669	8.436	0.58	0.80	63.39	459.00	0.000	0.000	534.72	0.00	0.00
22	99.00	Mount Pipes	18	7.669	8.436	0.80	0.80	27.36	1080.00	0.000	0.000	230.80	0.00	0.00
23	90.00	Mod	1	7.465	8.211	1.00	1.00	12.25	514.00	0.000	0.000	100.59	0.00	0.00
24	89.00	Samsung B2-B66A	3	7.441	8.186	0.62	0.75	3.51	253.20	0.000	0.000	28.74	0.00	0.00
25	89.00	Samsung B5-B13	3	7.441	8.186	0.58	0.75	3.30	210.90	0.000	0.000	27.01	0.00	0.00
26	89.00	RFS DB-T1-6Z-8AB-0Z	1	7.441	8.186	0.53	0.75	2.56	44.00	0.000	0.000	20.92	0.00	0.00
27	89.00	Andrew LNX-6514DS-A1M	3	7.441	8.186	0.61	0.75	15.55	141.00	0.000	0.000	127.25	0.00	0.00
28	89.00	Low Profile Platform w/	1	7.441	8.186	1.00	1.00	23.81	1588.50	0.000	0.000	194.90	0.00	0.00
29	89.00	Samsung 64T64R	3	7.441	8.186	0.52	0.75	7.40	261.30	0.000	0.000	60.59	0.00	0.00
30	89.00	Commscope	6	7.441	8.186	0.62	0.75	30.18	262.20	0.000	0.000	247.03	0.00	0.00
31	89.00	RFS DB-C1-12C-24AB-0Z	1	7.441	8.186	0.66	0.75	2.68	32.00	0.000	0.000	21.93	0.00	0.00
							Totals:		**12,956.08**			**3,812.19**		

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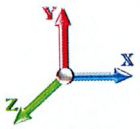
Wind Loading - Shaft

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 17

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	5.432	5.98	248.64	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	5.432	5.98	243.06	0.730	0.000	5.00	24.603	17.96	107.3	0.0	1363.5
10.00		1.00	0.70	5.432	5.98	237.48	0.730	0.000	5.00	24.044	17.55	104.9	0.0	1332.3
15.00		1.00	0.70	5.432	5.98	231.90	0.730	0.000	5.00	23.486	17.14	102.4	0.0	1301.1
20.00		1.00	0.70	5.432	5.98	226.32	0.730	0.000	5.00	22.927	16.74	100.0	0.0	1269.9
25.00		1.00	0.70	5.432	5.98	220.73	0.730	0.000	5.00	22.369	16.33	97.6	0.0	1238.7
30.00		1.00	0.71	5.488	6.04	216.25	0.730	0.000	5.00	21.810	15.92	96.1	0.0	1207.5
35.00		1.00	0.74	5.727	6.30	215.19	0.730	0.000	5.00	21.252	15.51	97.7	0.0	1176.3
40.00		1.00	0.77	5.944	6.54	213.39	0.730	0.000	5.00	20.693	15.11	98.8	0.0	1145.1
45.00		1.00	0.79	6.143	6.76	210.99	0.730	0.000	5.00	20.134	14.70	99.3	0.0	1113.9
47.00	Bot - Section 2	1.00	0.80	6.218	6.84	209.89	0.730	0.000	2.00	7.897	5.77	39.4	0.0	436.8
50.00		1.00	0.82	6.327	6.96	208.10	0.730	0.000	3.00	11.869	8.66	60.3	0.0	1209.4
53.00	Top - Section 1	1.00	0.83	6.431	7.07	206.16	0.730	0.000	3.00	11.668	8.52	60.3	0.0	1188.6
55.00		1.00	0.84	6.498	7.15	208.26	0.730	0.000	2.00	7.667	5.60	40.0	0.0	363.9
60.00		1.00	0.86	6.659	7.32	204.64	0.730	0.000	5.00	18.776	13.71	100.4	0.0	891.1
65.00		1.00	0.88	6.810	7.49	200.71	0.730	0.000	5.00	18.218	13.30	99.6	0.0	864.3
70.00		1.00	0.90	6.954	7.65	196.50	0.730	0.000	5.00	17.659	12.89	98.6	0.0	837.6
75.00		1.00	0.91	7.090	7.80	192.04	0.730	0.000	5.00	17.100	12.48	97.4	0.0	810.9
80.00		1.00	0.93	7.221	7.94	187.36	0.730	0.000	5.00	16.542	12.08	95.9	0.0	784.1
81.00	Top - Section 2	1.00	0.93	7.246	7.97	186.40	0.730	0.000	1.00	3.241	2.37	18.9	0.0	153.6
85.00		1.00	0.95	7.345	8.08	182.48	0.730	0.000	4.00	12.742	9.30	75.2	0.0	504.0
89.00	Appurtenance(s)	1.00	0.96	7.441	8.19	178.44	0.730	0.000	4.00	12.385	9.04	74.0	0.0	489.7
90.00	Appurtenance(s)	1.00	0.96	7.465	8.21	177.42	0.730	0.000	1.00	3.040	2.22	18.2	0.0	120.2
95.00		1.00	0.98	7.580	8.34	172.19	0.730	0.000	5.00	14.866	10.85	90.5	0.0	587.7
99.00	Appurtenance(s)	1.00	0.99	7.669	8.44	167.89	0.730	0.000	4.00	11.491	8.39	70.8	0.0	454.1
100.00		1.00	0.99	7.691	8.46	166.80	0.730	0.000	1.00	2.817	2.06	17.4	0.0	111.3
105.00		1.00	1.00	7.798	8.58	161.27	0.730	0.000	5.00	13.749	10.04	86.1	0.0	543.1
109.00	Appurtenance(s)	1.00	1.02	7.881	8.67	156.74	0.730	0.000	4.00	10.597	7.74	67.1	0.0	418.4
110.00		1.00	1.02	7.901	8.69	155.60	0.730	0.000	1.00	2.593	1.89	16.5	0.0	102.4
114.00	Appurtenance(s)	1.00	1.03	7.981	8.78	150.98	0.730	0.000	4.00	10.150	7.41	65.1	0.0	400.6
115.00		1.00	1.03	8.001	8.80	149.81	0.730	0.000	1.00	2.482	1.81	15.9	0.0	97.9
119.00	Appurtenance(s)	1.00	1.04	8.079	8.89	145.09	0.730	0.000	4.00	9.703	7.08	62.9	0.0	382.8
								Totals:	**119.00**			**2,274.5**		**22,901.0**

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Calculated Forces

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20			**Iterations**	16
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.55	**SA**	0.05			**S1**	0.06
								Seismic Importance Factor	1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-35.80	-1.15	0.00	-114.05	0.00	114.05	5484.43	1422.51	6889.34	6589.47		0.00	0.00	0.024
5.00	-34.43	-1.15	0.00	-108.29	0.00	108.29	5405.01	1390.34	6581.24	6346.09		0.00	0.00	0.023
10.00	-33.08	-1.16	0.00	-102.52	0.00	102.52	5323.53	1358.16	6280.19	6104.68		0.01	-0.01	0.023
15.00	-31.76	-1.16	0.00	-96.75	0.00	96.75	5239.98	1325.99	5986.19	5865.43		0.02	-0.01	0.023
20.00	-30.47	-1.16	0.00	-90.96	0.00	90.96	5154.37	1293.82	5699.23	5628.50		0.04	-0.02	0.022
25.00	-29.21	-1.15	0.00	-85.18	0.00	85.18	5066.69	1261.65	5419.32	5394.05		0.06	-0.02	0.022
30.00	-27.98	-1.15	0.00	-79.41	0.00	79.41	4976.95	1229.48	5146.47	5162.27		0.09	-0.03	0.021
35.00	-26.77	-1.15	0.00	-73.65	0.00	73.65	4885.14	1197.31	4880.65	4933.31		0.12	-0.03	0.020
40.00	-25.60	-1.14	0.00	-67.92	0.00	67.92	4791.27	1165.13	4621.89	4707.35		0.16	-0.04	0.020
45.00	-24.46	-1.13	0.00	-62.22	0.00	62.22	4695.33	1132.96	4370.17	4484.56		0.20	-0.04	0.019
47.00	-24.01	-1.13	0.00	-59.95	0.00	59.95	4656.37	1120.09	4271.46	4396.37		0.22	-0.04	0.019
50.00	-22.81	-1.12	0.00	-56.56	0.00	56.56	4597.32	1100.79	4125.50	4265.11		0.25	-0.05	0.018
53.00	-21.64	-1.11	0.00	-53.20	0.00	53.20	3769.04	943.96	3539.34	3503.08		0.28	-0.05	0.021
55.00	-21.26	-1.11	0.00	-50.99	0.00	50.99	3738.97	932.93	3457.11	3434.19		0.30	-0.05	0.021
60.00	-20.32	-1.10	0.00	-45.46	0.00	45.46	3662.35	905.35	3255.76	3263.55		0.36	-0.06	0.019
65.00	-19.41	-1.08	0.00	-39.98	0.00	39.98	3583.67	877.78	3060.44	3095.34		0.42	-0.06	0.018
70.00	-18.53	-1.07	0.00	-34.56	0.00	34.56	3502.92	850.20	2871.17	2929.70		0.49	-0.07	0.017
75.00	-17.67	-1.06	0.00	-29.20	0.00	29.20	3420.10	822.63	2687.94	2766.81		0.56	-0.07	0.016
80.00	-16.84	-1.05	0.00	-23.90	0.00	23.90	3335.22	795.05	2510.76	2606.84		0.64	-0.08	0.014
81.00	-16.68	-1.04	0.00	-22.85	0.00	22.85	3318.00	789.54	2476.04	2575.22		0.65	-0.08	0.014
81.00	-16.68	-1.04	0.00	-22.85	0.00	22.85	2626.87	659.03	2070.20	2045.56		0.65	-0.08	0.018
85.00	-16.13	-1.04	0.00	-18.67	0.00	18.67	2576.62	640.65	1956.31	1950.00		0.72	-0.08	0.016
89.00	-12.96	-0.87	0.00	-14.53	0.00	14.53	2525.05	622.27	1845.65	1855.67		0.79	-0.08	0.013
90.00	-12.35	-0.86	0.00	-13.66	0.00	13.66	2511.95	617.67	1818.49	1832.29		0.80	-0.08	0.012
95.00	-11.71	-0.85	0.00	-9.36	0.00	9.36	2445.22	594.69	1685.69	1716.68		0.89	-0.09	0.010
99.00	-6.80	-0.44	0.00	-5.97	0.00	5.97	2390.34	576.31	1583.08	1625.80		0.97	-0.09	0.007
100.00	-6.68	-0.44	0.00	-5.53	0.00	5.53	2376.41	571.71	1557.93	1603.32		0.98	-0.09	0.006
105.00	-6.10	-0.42	0.00	-3.35	0.00	3.35	2305.55	548.73	1435.21	1492.40		1.08	-0.09	0.005
109.00	-4.19	-0.32	0.00	-1.65	0.00	1.65	2245.14	530.35	1340.65	1404.12		1.15	-0.09	0.003
110.00	-4.08	-0.32	0.00	-1.33	0.00	1.33	2225.68	525.75	1317.52	1379.77		1.17	-0.09	0.003
114.00	-0.46	-0.01	0.00	-0.04	0.00	0.04	2147.85	507.37	1226.99	1284.49		1.25	-0.09	0.000
115.00	-0.37	-0.01	0.00	-0.03	0.00	0.03	2128.40	502.77	1204.86	1261.20		1.27	-0.09	0.000
119.00	0.00	-0.01	0.00	0.00	0.00	0.00	2050.57	484.39	1118.36	1170.18		1.34	-0.09	0.000

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Seismic Segment Forces (Factored)

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20	**Iterations**	16
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.55	**SA**	0.05	**S1**	0.06
						Seismic Importance Factor	1.00

R: 1.50

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)
0.00		0.00	0.00	0.00	0.00
5.00		1455.6	2.50	58.69	0.11
10.00		1424.4	7.50	57.43	0.66
15.00		1393.2	12.50	56.18	1.48
20.00		1362.0	17.50	54.92	2.49
25.00		1330.8	22.50	53.66	3.64
30.00		1299.6	27.50	52.40	4.89
35.00		1268.4	32.50	51.14	6.20
40.00		1237.2	37.50	49.89	7.55
45.00		1206.1	42.50	48.63	8.91
47.00	Bot - Section 2	473.71	46.00	19.10	2.15
50.00		1264.7	48.50	50.99	12.01
53.00	Top - Section 1	1243.8	51.50	50.15	12.91
55.00		400.77	54.00	16.16	2.12
60.00		983.22	57.50	39.64	10.49
65.00		956.48	62.50	38.57	11.51
70.00		929.75	67.50	37.49	12.48
75.00		903.01	72.50	36.41	13.39
80.00		876.28	77.50	35.33	14.23
81.00	Top - Section 2	172.05	80.50	6.94	1.01
85.00		577.71	83.00	23.29	7.98
89.00	Appurtenance(s)	3356.5	87.00	135.34	161.25
90.00	Appurtenance(s)	650.66	89.50	26.23	11.02
95.00		669.91	92.50	27.01	12.22
99.00	Appurtenance(s)	5211.0	97.00	210.11	401.85
100.00		127.75	99.50	5.15	0.88
105.00		608.71	102.50	24.54	12.36
109.00	Appurtenance(s)	2032.6	107.00	81.95	98.75
110.00		114.47	109.50	4.62	0.86
114.00	Appurtenance(s)	3838.5	112.00	154.77	306.94
115.00		99.11	114.50	4.00	0.72
119.00	Appurtenance(s)	394.03	117.00	15.89	7.47
	Totals:	**37,862.7**		**1,526.6**	**1,150.5**

Total Wind: **27,211.0**

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Calculated Forces

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20			**Iterations**	16
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.55	**SA**	0.05			**S1**	0.06
								Seismic Importance Factor	1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-47.26	-1.15	0.00	-114.43	0.00	114.43	5484.43	1422.51	6889.34	6589.47		0.00	0.00	0.026
5.00	-45.44	-1.16	0.00	-108.67	0.00	108.67	5405.01	1390.34	6581.24	6346.09		0.00	0.00	0.026
10.00	-43.66	-1.16	0.00	-102.89	0.00	102.89	5323.53	1358.16	6280.19	6104.68		0.01	-0.01	0.025
15.00	-41.92	-1.16	0.00	-97.10	0.00	97.10	5239.98	1325.99	5986.19	5865.43		0.02	-0.01	0.025
20.00	-40.21	-1.16	0.00	-91.31	0.00	91.31	5154.37	1293.82	5699.23	5628.50		0.04	-0.02	0.024
25.00	-38.55	-1.16	0.00	-85.51	0.00	85.51	5066.69	1261.65	5419.32	5394.05		0.06	-0.02	0.023
30.00	-36.92	-1.16	0.00	-79.71	0.00	79.71	4976.95	1229.48	5146.47	5162.27		0.09	-0.03	0.023
35.00	-35.34	-1.15	0.00	-73.93	0.00	73.93	4885.14	1197.31	4880.65	4933.31		0.12	-0.03	0.022
40.00	-33.79	-1.15	0.00	-68.18	0.00	68.18	4791.27	1165.13	4621.89	4707.35		0.16	-0.04	0.022
45.00	-32.28	-1.14	0.00	-62.45	0.00	62.45	4695.33	1132.96	4370.17	4484.56		0.20	-0.04	0.021
47.00	-31.68	-1.14	0.00	-60.17	0.00	60.17	4656.37	1120.09	4271.46	4396.37		0.22	-0.04	0.020
50.00	-30.11	-1.12	0.00	-56.76	0.00	56.76	4597.32	1100.79	4125.50	4265.11		0.25	-0.05	0.020
53.00	-28.56	-1.11	0.00	-53.39	0.00	53.39	3769.04	943.96	3539.34	3503.08		0.28	-0.05	0.023
55.00	-28.05	-1.11	0.00	-51.17	0.00	51.17	3738.97	932.93	3457.11	3434.19		0.30	-0.05	0.022
60.00	-26.82	-1.10	0.00	-45.61	0.00	45.61	3662.35	905.35	3255.76	3263.55		0.36	-0.06	0.021
65.00	-25.62	-1.09	0.00	-40.11	0.00	40.11	3583.67	877.78	3060.44	3095.34		0.42	-0.06	0.020
70.00	-24.45	-1.08	0.00	-34.66	0.00	34.66	3502.92	850.20	2871.17	2929.70		0.49	-0.07	0.019
75.00	-23.32	-1.06	0.00	-29.28	0.00	29.28	3420.10	822.63	2687.94	2766.81		0.56	-0.07	0.017
80.00	-22.22	-1.05	0.00	-23.96	0.00	23.96	3335.22	795.05	2510.76	2606.84		0.64	-0.08	0.016
81.00	-22.00	-1.05	0.00	-22.91	0.00	22.91	3318.00	789.54	2476.04	2575.22		0.66	-0.08	0.016
81.00	-22.00	-1.05	0.00	-22.91	0.00	22.91	2626.87	659.03	2070.20	2045.56		0.66	-0.08	0.020
85.00	-21.28	-1.04	0.00	-18.72	0.00	18.72	2576.62	640.65	1956.31	1950.00		0.72	-0.08	0.018
89.00	-17.10	-0.87	0.00	-14.56	0.00	14.56	2525.05	622.27	1845.65	1855.67		0.79	-0.08	0.015
90.00	-16.29	-0.86	0.00	-13.68	0.00	13.68	2511.95	617.67	1818.49	1832.29		0.81	-0.08	0.014
95.00	-15.45	-0.85	0.00	-9.37	0.00	9.37	2445.22	594.69	1685.69	1716.68		0.90	-0.09	0.012
99.00	-8.98	-0.44	0.00	-5.98	0.00	5.98	2390.34	576.31	1583.08	1625.80		0.97	-0.09	0.007
100.00	-8.82	-0.44	0.00	-5.54	0.00	5.54	2376.41	571.71	1557.93	1603.32		0.99	-0.09	0.007
105.00	-8.05	-0.42	0.00	-3.35	0.00	3.35	2305.55	548.73	1435.21	1492.40		1.08	-0.09	0.006
109.00	-5.52	-0.32	0.00	-1.65	0.00	1.65	2245.14	530.35	1340.65	1404.12		1.16	-0.09	0.004
110.00	-5.38	-0.32	0.00	-1.33	0.00	1.33	2225.68	525.75	1317.52	1379.77		1.18	-0.09	0.003
114.00	-0.61	-0.01	0.00	-0.04	0.00	0.04	2147.85	507.37	1226.99	1284.49		1.25	-0.09	0.000
115.00	-0.49	-0.01	0.00	-0.03	0.00	0.03	2128.40	502.77	1204.86	1261.20		1.27	-0.09	0.000
119.00	0.00	-0.01	0.00	0.00	0.00	0.00	2050.57	484.39	1118.36	1170.18		1.35	-0.09	0.000

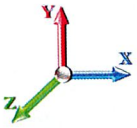
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Seismic Segment Forces (Factored)

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20	**Iterations**	16
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.55	**SA**	0.05	**S1**	0.06
						Seismic Importance Factor	1.00



Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
5.00		1486.3	2.50	59.93	0.11	
10.00		1455.1	7.50	58.67	0.67	
15.00		1423.9	12.50	57.41	1.51	
20.00		1392.7	17.50	56.16	2.55	
25.00		1361.5	22.50	54.90	3.73	
30.00		1330.3	27.50	53.64	5.01	
35.00		1299.1	32.50	52.38	6.36	
40.00		1268.0	37.50	51.13	7.75	
45.00		1236.8	42.50	49.87	9.16	
47.00	Bot - Section 2	485.99	46.00	19.60	2.21	
50.00		1283.1	48.50	51.74	12.13	
53.00	Top - Section 1	1262.2	51.50	50.90	13.05	
55.00		413.06	54.00	16.65	2.20	
60.00		1013.9	57.50	40.88	10.88	
65.00		987.20	62.50	39.80	11.96	
70.00		960.47	67.50	38.73	12.99	
75.00		933.73	72.50	37.65	13.96	
80.00		907.00	77.50	36.57	14.86	
81.00	Top - Section 2	178.19	80.50	7.18	1.06	
85.00		602.29	83.00	24.28	8.43	
89.00	Appurtenance(s)	3381.1	87.00	136.33	160.89	
90.00	Appurtenance(s)	656.14	89.50	26.46	11.02	
95.00		697.33	92.50	28.12	12.88	
99.00	Appurtenance(s)	5233.0	97.00	211.00	398.89	
100.00		133.23	99.50	5.37	0.93	
105.00		630.58	102.50	25.42	12.92	
109.00	Appurtenance(s)	2050.1	107.00	82.66	98.74	
110.00		118.50	109.50	4.78	0.89	
114.00	Appurtenance(s)	3854.7	112.00	155.42	304.68	
115.00		99.50	114.50	4.01	0.72	
119.00	Appurtenance(s)	395.60	117.00	15.95	7.41	
	Totals:	**38,531.3**		**1,553.6**	**1,150.5**	**Total Wind:** 27,211.0

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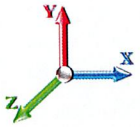
Calculated Forces

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 17

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-69.91	-7.21	-0.50	-620.17	0.00	620.17	5484.43	1422.51	6889.34	6589.47	0.00	0.000	0.000	0.107
5.00	-67.66	-7.09	-0.50	-584.13	0.00	584.13	5405.01	1390.34	6581.24	6346.09	0.01	-0.025	0.000	0.105
10.00	-65.42	-6.98	-0.50	-548.67	0.00	548.67	5323.53	1358.16	6280.19	6104.68	0.05	-0.049	0.000	0.102
15.00	-63.21	-6.87	-0.50	-513.78	0.00	513.78	5239.98	1325.99	5986.19	5865.43	0.12	-0.074	0.000	0.100
20.00	-61.04	-6.76	-0.50	-479.44	0.00	479.44	5154.37	1293.82	5699.23	5628.50	0.21	-0.099	0.000	0.097
25.00	-58.90	-6.65	-0.50	-445.66	0.00	445.66	5066.69	1261.65	5419.32	5394.05	0.33	-0.124	0.000	0.094
30.00	-56.81	-6.54	-0.50	-412.43	0.00	412.43	4976.95	1229.48	5146.47	5162.27	0.47	-0.149	0.000	0.091
35.00	-54.75	-6.42	-0.50	-379.74	0.00	379.74	4885.14	1197.31	4880.65	4933.31	0.64	-0.174	0.000	0.088
40.00	-52.74	-6.31	-0.50	-347.63	0.00	347.63	4791.27	1165.13	4621.89	4707.35	0.84	-0.199	0.000	0.085
45.00	-50.77	-6.18	-0.50	-316.11	0.00	316.11	4695.33	1132.96	4370.17	4484.56	1.06	-0.224	0.000	0.081
47.00	-50.00	-6.13	-0.50	-303.75	0.00	303.75	4656.37	1120.09	4271.46	4396.37	1.15	-0.234	0.000	0.080
50.00	-48.17	-6.06	-0.50	-285.35	0.00	285.35	4597.32	1100.79	4125.50	4265.11	1.31	-0.249	0.000	0.077
53.00	-46.36	-5.97	-0.50	-267.19	0.00	267.19	3769.04	943.96	3539.34	3503.08	1.47	-0.263	0.000	0.089
55.00	-45.68	-5.93	-0.50	-255.24	0.00	255.24	3738.97	932.93	3457.11	3434.19	1.58	-0.273	0.000	0.087
60.00	-43.99	-5.81	-0.50	-225.58	0.00	225.58	3662.35	905.35	3255.76	3263.55	1.88	-0.298	0.000	0.081
65.00	-42.35	-5.68	-0.50	-196.56	0.00	196.56	3583.67	877.78	3060.44	3095.34	2.21	-0.323	0.000	0.075
70.00	-40.75	-5.55	-0.50	-168.17	0.00	168.17	3502.92	850.20	2871.17	2929.70	2.56	-0.346	-0.001	0.069
75.00	-39.19	-5.42	-0.50	-140.43	0.00	140.43	3420.10	822.63	2687.94	2766.81	2.93	-0.368	-0.001	0.062
80.00	-37.68	-5.28	-0.50	-113.34	0.00	113.34	3335.22	795.05	2510.76	2606.84	3.33	-0.387	-0.001	0.055
81.00	-37.38	-5.26	-0.50	-108.05	0.00	108.05	3318.00	789.54	2476.04	2575.22	3.41	-0.391	-0.001	0.053
81.00	-37.38	-5.26	-0.50	-108.05	0.00	108.05	2626.87	659.03	2070.20	2045.56	3.41	-0.391	-0.001	0.067
85.00	-36.32	-5.16	-0.50	-87.01	0.00	87.01	2576.62	640.65	1956.31	1950.00	3.74	-0.405	-0.001	0.059
89.00	-28.45	-4.24	-0.50	-66.37	0.00	66.37	2525.05	622.27	1845.65	1855.67	4.09	-0.419	-0.001	0.047
90.00	-27.77	-4.06	-0.50	-62.13	0.00	62.13	2511.95	617.67	1818.49	1832.29	4.18	-0.422	-0.001	0.045
95.00	-26.54	-3.93	-0.50	-41.81	0.00	41.81	2445.22	594.69	1685.69	1716.68	4.63	-0.435	-0.001	0.035
99.00	-14.44	-2.00	-0.50	-26.07	0.00	26.07	2390.34	576.31	1583.08	1625.80	5.00	-0.443	-0.001	0.022
100.00	-14.21	-1.98	-0.50	-24.07	0.00	24.07	2376.41	571.71	1557.93	1603.32	5.09	-0.445	-0.001	0.021
105.00	-13.07	-1.85	-0.50	-14.17	0.00	14.17	2305.55	548.73	1435.21	1492.40	5.56	-0.451	-0.001	0.015
109.00	-9.25	-1.18	0.00	-6.77	0.00	6.77	2245.14	530.35	1340.65	1404.12	5.94	-0.454	-0.001	0.009
110.00	-9.03	-1.16	0.00	-5.59	0.00	5.59	2225.68	525.75	1317.52	1379.77	6.03	-0.454	-0.001	0.008
114.00	-0.99	-0.13	0.00	-0.55	0.00	0.55	2147.85	507.37	1226.99	1284.49	6.41	-0.455	-0.001	0.001
115.00	-0.79	-0.11	0.00	-0.42	0.00	0.42	2128.40	502.77	1204.86	1261.20	6.51	-0.455	-0.001	0.001
119.00	0.00	-0.10	0.00	0.00	0.00	0.00	2050.57	484.39	1118.36	1170.18	6.89	-0.455	-0.001	0.000

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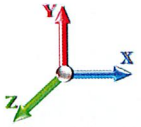
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 17

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
99.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	1.33	0.00	0.029	0.000	5.952	0.00	22.11
100.00	Safety Cable	Yes	1.00	0.000	0.38	0.31	0.00	0.030	0.000	5.969	0.00	4.27
100.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.33	0.00	0.030	0.000	5.969	0.00	5.53
105.00	Safety Cable	Yes	5.00	0.000	0.38	1.56	0.00	0.031	0.000	6.052	0.00	21.51
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.67	0.00	0.031	0.000	6.052	0.00	27.86
109.00	Safety Cable	Yes	4.00	0.000	0.38	1.25	0.00	0.032	0.000	6.116	0.00	17.32
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	1.34	0.00	0.032	0.000	6.116	0.00	22.40
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.31	0.00	0.032	0.000	6.132	0.00	4.34
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.33	0.00	0.032	0.000	6.132	0.00	5.61
114.00	Safety Cable	Yes	4.00	0.000	0.38	1.26	0.00	0.033	0.000	6.195	0.00	17.45
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	1.34	0.00	0.033	0.000	6.195	0.00	22.54
115.00	Safety Cable	Yes	1.00	0.000	0.38	0.32	0.00	0.034	0.000	6.210	0.00	4.37
115.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.34	0.00	0.034	0.000	6.210	0.00	5.64
119.00	Safety Cable	Yes	4.00	0.000	0.38	1.26	0.00	0.035	0.000	6.270	0.00	17.58
119.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	1.35	0.00	0.035	0.000	6.270	0.00	22.68
										Totals:	**0.0**	**1,056.8**

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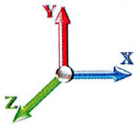
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 17

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	1.21	0.00	0.017	0.000	4.216	0.00	13.31
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.32	0.00	0.017	0.000	4.216	0.00	19.25
10.00	Safety Cable	Yes	5.00	0.000	0.38	1.28	0.00	0.018	0.000	4.216	0.00	14.69
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.38	0.00	0.018	0.000	4.216	0.00	20.70
15.00	Safety Cable	Yes	5.00	0.000	0.38	1.32	0.00	0.018	0.000	4.216	0.00	15.62
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.43	0.00	0.018	0.000	4.216	0.00	21.69
20.00	Safety Cable	Yes	5.00	0.000	0.38	1.35	0.00	0.018	0.000	4.216	0.00	16.34
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.46	0.00	0.018	0.000	4.216	0.00	22.44
25.00	Safety Cable	Yes	5.00	0.000	0.38	1.38	0.00	0.019	0.000	4.216	0.00	16.94
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.48	0.00	0.019	0.000	4.216	0.00	23.07
30.00	Safety Cable	Yes	5.00	0.000	0.38	1.40	0.00	0.019	0.000	4.259	0.00	17.44
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.50	0.00	0.019	0.000	4.259	0.00	23.60
35.00	Safety Cable	Yes	5.00	0.000	0.38	1.42	0.00	0.020	0.000	4.445	0.00	17.89
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.52	0.00	0.020	0.000	4.445	0.00	24.07
40.00	Safety Cable	Yes	5.00	0.000	0.38	1.44	0.00	0.020	0.000	4.614	0.00	18.29
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.54	0.00	0.020	0.000	4.614	0.00	24.48
45.00	Safety Cable	Yes	5.00	0.000	0.38	1.45	0.00	0.021	0.000	4.768	0.00	18.65
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.55	0.00	0.021	0.000	4.768	0.00	24.86
47.00	Safety Cable	Yes	2.00	0.000	0.38	0.58	0.00	0.021	0.000	4.826	0.00	7.51
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.62	0.00	0.021	0.000	4.826	0.00	10.00
50.00	Safety Cable	Yes	3.00	0.000	0.38	0.88	0.00	0.022	0.000	4.910	0.00	11.39
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.94	0.00	0.022	0.000	4.910	0.00	15.12
53.00	Safety Cable	Yes	3.00	0.000	0.38	0.88	0.00	0.022	0.000	4.991	0.00	11.50
53.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.95	0.00	0.022	0.000	4.991	0.00	15.24
55.00	Safety Cable	Yes	2.00	0.000	0.38	0.59	0.00	0.022	0.000	5.043	0.00	7.71
55.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.63	0.00	0.022	0.000	5.043	0.00	10.21
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.49	0.00	0.022	0.000	5.168	0.00	19.56
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.59	0.00	0.022	0.000	5.168	0.00	25.82
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.50	0.00	0.023	0.000	5.286	0.00	19.83
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.60	0.00	0.023	0.000	5.286	0.00	26.10
70.00	Safety Cable	Yes	5.00	0.000	0.38	1.51	0.00	0.024	0.000	5.397	0.00	20.08
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.61	0.00	0.024	0.000	5.397	0.00	26.36
75.00	Safety Cable	Yes	5.00	0.000	0.38	1.52	0.00	0.025	0.000	5.503	0.00	20.31
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.62	0.00	0.025	0.000	5.503	0.00	26.61
80.00	Safety Cable	Yes	5.00	0.000	0.38	1.53	0.00	0.025	0.000	5.604	0.00	20.54
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.63	0.00	0.025	0.000	5.604	0.00	26.84
81.00	Safety Cable	Yes	1.00	0.000	0.38	0.31	0.00	0.026	0.000	5.624	0.00	4.12
81.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.33	0.00	0.026	0.000	5.624	0.00	5.38
85.00	Safety Cable	Yes	4.00	0.000	0.38	1.23	0.00	0.026	0.000	5.701	0.00	16.60
85.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	1.31	0.00	0.026	0.000	5.701	0.00	21.65
89.00	Safety Cable	Yes	4.00	0.000	0.38	1.23	0.00	0.027	0.000	5.776	0.00	16.73
89.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	1.32	0.00	0.027	0.000	5.776	0.00	21.79
90.00	Safety Cable	Yes	1.00	0.000	0.38	0.31	0.00	0.028	0.000	5.794	0.00	4.19
90.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.33	0.00	0.028	0.000	5.794	0.00	5.45
95.00	Safety Cable	Yes	5.00	0.000	0.38	1.55	0.00	0.028	0.000	5.883	0.00	21.15
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.65	0.00	0.028	0.000	5.883	0.00	27.48
99.00	Safety Cable	Yes	4.00	0.000	0.38	1.24	0.00	0.029	0.000	5.952	0.00	17.04

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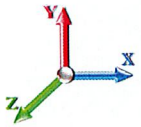
Total Applied Force Summary

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 17

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		142.79	2249.28	0.00	0.00
10.00		140.05	2233.31	0.00	0.00
15.00		137.17	2205.19	0.00	0.00
20.00		134.24	2171.27	0.00	0.00
25.00		131.28	2133.88	0.00	0.00
30.00		129.61	2094.14	0.00	0.00
35.00		132.10	2052.68	0.00	0.00
40.00		133.80	2009.91	0.00	0.00
45.00		134.85	1966.10	0.00	0.00
47.00		53.62	774.84	0.00	0.00
50.00		82.01	1828.99	0.00	0.00
53.00		82.06	1801.18	0.00	0.00
55.00		54.55	685.33	0.00	0.00
60.00		137.16	1682.34	0.00	0.00
65.00		136.46	1641.21	0.00	0.00
70.00		135.42	1599.61	0.00	0.00
75.00		134.09	1557.59	0.00	0.00
80.00		132.49	1515.20	0.00	0.00
81.00		26.10	298.77	0.00	0.00
85.00		104.17	1055.67	0.00	0.00
89.00	(21) attachments	865.34	7879.32	0.00	0.00
90.00	(1) attachments	176.02	676.37	0.00	0.00
95.00		126.25	1233.40	0.00	0.00
99.00	(46) attachments	1837.50	12106.84	0.00	0.00
100.00		24.40	236.90	0.00	0.00
105.00		121.06	1134.53	0.00	0.00
109.00	(15) attachments	636.05	3832.80	500.03	0.00
110.00		23.28	215.66	0.00	0.00
114.00	(27) attachments	965.78	8053.77	0.00	393.16
115.00		22.67	193.34	0.00	0.00
119.00	(1) attachments	99.69	792.77	0.00	0.00
	Totals:	**7,192.04**	**69,912.18**	**500.03**	**393.16**

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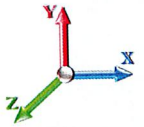
Discrete Appurtenance Forces

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 17

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	119.00	6' Lightning rod	1	6.270	6.897	1.00	1.00	1.44	38.00	0.000	0.000	9.96	0.00	0.00
2	114.00	Ericsson Air32	3	6.225	6.848	0.70	0.80	15.81	839.25	0.000	2.000	108.27	0.00	216.53
3	114.00	Ericsson AIR6449 B41	3	6.225	6.848	0.58	0.80	11.52	676.27	0.000	2.000	78.89	0.00	157.78
4	114.00	Ericsson 4460 B25 + B66	3	6.195	6.814	0.69	0.80	5.58	478.92	0.000	0.000	38.02	0.00	0.00
5	114.00	Ericsson 4449 B71 + B85	3	6.195	6.814	0.73	0.80	5.46	273.03	0.000	0.000	37.19	0.00	0.00
6	114.00	RFS	3	6.195	6.814	0.58	0.80	38.64	1477.48	0.000	0.000	263.31	0.00	0.00
7	114.00	Mount Pipes	8	6.195	6.814	0.80	0.80	22.49	923.33	0.000	0.000	153.27	0.00	0.00
8	114.00	Ericsson KRY 112 144/1	3	6.225	6.848	0.62	0.80	1.38	61.80	0.000	2.000	9.43	0.00	18.85
9	114.00	Low Profile Platform	1	6.195	6.814	1.00	1.00	27.17	2479.51	0.000	0.000	185.15	0.00	0.00
10	109.00	Commscope VHLP2-18	2	6.116	6.728	1.00	1.00	32.28	198.54	2.302	0.000	217.19	500.03	0.00
11	109.00	Dual Sector Mounts	3	6.116	6.728	1.00	1.00	20.12	1812.73	0.000	0.000	135.38	0.00	0.00
12	109.00	Mount Pipes	4	6.116	6.728	0.80	0.80	11.22	460.36	0.000	0.000	75.51	0.00	0.00
13	109.00	Argus LLPX310R	3	6.116	6.728	0.60	0.80	9.34	221.43	0.000	0.000	62.84	0.00	0.00
14	109.00	Tower BTS	3	6.116	6.728	0.67	0.80	7.50	258.99	0.000	0.000	50.47	0.00	0.00
15	99.00	Raycap DC6-48-60-18-8F	4	5.952	6.547	0.65	0.80	14.68	545.50	0.000	0.000	96.11	0.00	0.00
16	99.00	CCI HPA-65R-BUU-H8	6	5.952	6.547	0.64	0.80	55.66	1773.40	0.000	0.000	364.40	0.00	0.00
17	99.00	Ericsson 8843 B2/B66A	3	5.952	6.547	0.74	0.80	4.70	314.86	0.000	0.000	30.80	0.00	0.00
18	99.00	Ericcson 4449 B5/B12	3	5.952	6.547	0.70	0.80	5.24	319.32	0.000	0.000	34.32	0.00	0.00
19	99.00	Ericcson 4478 B14	3	5.952	6.547	0.65	0.80	5.03	263.61	0.000	0.000	32.94	0.00	0.00
20	99.00	Sector Frames	3	5.952	6.547	0.75	0.75	59.55	4389.76	0.000	0.000	389.89	0.00	0.00
21	99.00	CCI OPA65R-BU8DA	6	5.952	6.547	0.59	0.80	70.37	1481.09	0.000	0.000	460.75	0.00	0.00
22	99.00	Mount Pipes	18	5.952	6.547	0.80	0.80	50.29	2059.16	0.000	0.000	329.24	0.00	0.00
23	90.00	Mod	1	5.794	6.373	1.00	1.00	23.64	424.24	0.000	0.000	150.65	0.00	0.00
24	89.00	Samsung B2-B66A	3	5.776	6.353	0.62	0.75	4.49	344.36	0.000	0.000	28.52	0.00	0.00
25	89.00	Samsung B5-B13	3	5.776	6.353	0.58	0.75	4.22	356.92	0.000	0.000	26.80	0.00	0.00
26	89.00	RFS DB-T1-6Z-8AB-0Z	1	5.776	6.353	0.54	0.75	3.03	153.19	0.000	0.000	19.23	0.00	0.00
27	89.00	Andrew LNX-6514DS-A1M	3	5.776	6.353	0.61	0.75	18.00	597.95	0.000	0.000	114.38	0.00	0.00
28	89.00	Low Profile Platform w/	1	5.776	6.353	1.00	1.00	43.55	3591.34	0.000	0.000	276.69	0.00	0.00
29	89.00	Samsung 64T64R	3	5.776	6.353	0.53	0.75	8.88	563.45	0.000	0.000	56.40	0.00	0.00
30	89.00	Commscope	6	5.776	6.353	0.62	0.75	34.62	1120.38	0.000	0.000	219.96	0.00	0.00
31	89.00	RFS DB-C1-12C-24AB-0Z	1	5.776	6.353	0.67	0.75	3.23	120.18	0.000	0.000	20.51	0.00	0.00
							Totals:		**28,618.35**			**4,076.45**		

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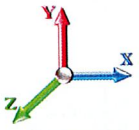
Wind Loading - Shaft

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 17

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.216	4.64	0.00	1.200	1.057	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.216	4.64	0.00	1.200	1.265	5.00	25.657	30.79	142.8	465.6	2101.7
10.00		1.00	0.70	4.216	4.64	0.00	1.200	1.344	5.00	25.164	30.20	140.0	484.2	2082.9
15.00		1.00	0.70	4.216	4.64	0.00	1.200	1.395	5.00	24.649	29.58	137.2	491.6	2052.9
20.00		1.00	0.70	4.216	4.64	0.00	1.200	1.434	5.00	24.122	28.95	134.2	493.6	2017.5
25.00		1.00	0.70	4.216	4.64	0.00	1.200	1.465	5.00	23.589	28.31	131.3	492.4	1978.9
30.00		1.00	0.71	4.259	4.69	0.00	1.200	1.491	5.00	23.052	27.66	129.6	489.1	1938.1
35.00		1.00	0.74	4.445	4.89	0.00	1.200	1.513	5.00	22.512	27.01	132.1	484.1	1895.7
40.00		1.00	0.77	4.614	5.07	0.00	1.200	1.533	5.00	21.970	26.36	133.8	478.0	1852.2
45.00		1.00	0.79	4.768	5.24	0.00	1.200	1.551	5.00	21.427	25.71	134.8	470.9	1807.6
47.00	Bot - Section 2	1.00	0.80	4.826	5.31	0.00	1.200	1.557	2.00	8.416	10.10	53.6	187.1	711.3
50.00		1.00	0.82	4.910	5.40	0.00	1.200	1.567	3.00	12.652	15.18	82.0	282.2	1733.5
53.00	Top - Section 1	1.00	0.83	4.991	5.49	0.00	1.200	1.576	3.00	12.456	14.95	82.1	279.2	1705.4
55.00		1.00	0.84	5.043	5.55	0.00	1.200	1.581	2.00	8.194	9.83	54.5	184.7	621.4
60.00		1.00	0.86	5.168	5.68	0.00	1.200	1.595	5.00	20.105	24.13	137.2	452.7	1522.0
65.00		1.00	0.88	5.286	5.81	0.00	1.200	1.608	5.00	19.557	23.47	136.5	443.1	1480.3
70.00		1.00	0.90	5.397	5.94	0.00	1.200	1.619	5.00	19.009	22.81	135.4	433.1	1438.2
75.00		1.00	0.91	5.503	6.05	0.00	1.200	1.631	5.00	18.459	22.15	134.1	422.6	1395.7
80.00		1.00	0.93	5.604	6.16	0.00	1.200	1.641	5.00	17.909	21.49	132.5	411.9	1352.8
81.00	Top - Section 2	1.00	0.93	5.624	6.19	0.00	1.200	1.643	1.00	3.515	4.22	26.1	81.9	266.3
85.00		1.00	0.95	5.701	6.27	0.00	1.200	1.651	4.00	13.843	16.61	104.2	320.6	925.4
89.00	Appurtenance(s)	1.00	0.96	5.776	6.35	0.00	1.200	1.658	4.00	13.490	16.19	102.8	313.4	901.1
90.00	Appurtenance(s)	1.00	0.96	5.794	6.37	0.00	1.200	1.660	1.00	3.317	3.98	25.4	77.9	222.1
95.00		1.00	0.98	5.883	6.47	0.00	1.200	1.669	5.00	16.257	19.51	126.2	377.8	1083.0
99.00	Appurtenance(s)	1.00	0.99	5.952	6.55	0.00	1.200	1.676	4.00	12.608	15.13	99.1	294.7	839.6
100.00		1.00	0.99	5.969	6.57	0.00	1.200	1.678	1.00	3.096	3.72	24.4	73.2	206.7
105.00		1.00	1.00	6.052	6.66	0.00	1.200	1.686	5.00	15.154	18.18	121.1	353.8	1005.6
109.00	Appurtenance(s)	1.00	1.02	6.116	6.73	0.00	1.200	1.692	4.00	11.725	14.07	94.7	275.2	777.4
110.00		1.00	1.02	6.132	6.75	0.00	1.200	1.693	1.00	2.876	3.45	23.3	68.3	191.2
114.00	Appurtenance(s)	1.00	1.03	6.195	6.81	0.00	1.200	1.699	4.00	11.283	13.54	92.3	265.3	746.0
115.00		1.00	1.03	6.210	6.83	0.00	1.200	1.701	1.00	2.765	3.32	22.7	65.8	183.3
119.00	Appurtenance(s)	1.00	1.04	6.270	6.90	0.00	1.200	1.707	4.00	10.841	13.01	89.7	255.2	714.5
								Totals:	**119.00**			**3,115.6**		**37,750.2**

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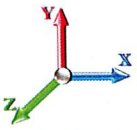
Calculated Forces

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 19

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-34.25	-27.24	-2.27	-2367.9	-0.01	2367.97	5484.43	1422.51	6889.34	6589.47	0.00	0.000	0.000	0.366
5.00	-32.89	-26.81	-2.27	-2231.7	-0.01	2231.77	5405.01	1390.34	6581.24	6346.09	0.05	-0.094	0.000	0.358
10.00	-31.56	-26.39	-2.27	-2097.7	-0.01	2097.70	5323.53	1358.16	6280.19	6104.68	0.20	-0.188	0.000	0.350
15.00	-30.25	-25.98	-2.27	-1965.7	-0.01	1965.74	5239.98	1325.99	5986.19	5865.43	0.45	-0.283	0.000	0.341
20.00	-28.98	-25.57	-2.27	-1835.8	-0.01	1835.84	5154.37	1293.82	5699.23	5628.50	0.80	-0.379	0.000	0.332
25.00	-27.73	-25.18	-2.27	-1707.9	-0.01	1707.97	5066.69	1261.65	5419.32	5394.05	1.25	-0.475	-0.001	0.323
30.00	-26.52	-24.78	-2.27	-1582.0	-0.01	1582.09	4976.95	1229.48	5146.47	5162.27	1.80	-0.571	-0.001	0.312
35.00	-25.33	-24.37	-2.27	-1458.1	-0.01	1458.19	4885.14	1197.31	4880.65	4933.31	2.45	-0.667	-0.001	0.301
40.00	-24.17	-23.96	-2.28	-1336.3	-0.01	1336.32	4791.27	1165.13	4621.89	4707.35	3.20	-0.763	-0.001	0.289
45.00	-23.06	-23.52	-2.28	-1216.5	-0.01	1216.53	4695.33	1132.96	4370.17	4484.56	4.05	-0.857	-0.001	0.277
47.00	-22.61	-23.36	-2.28	-1169.4	-0.02	1169.48	4656.37	1120.09	4271.46	4396.37	4.42	-0.896	-0.001	0.271
50.00	-21.45	-23.09	-2.28	-1099.4	-0.02	1099.40	4597.32	1100.79	4125.50	4265.11	5.00	-0.953	-0.001	0.263
53.00	-20.31	-22.82	-2.28	-1030.1	-0.02	1030.12	3769.04	943.96	3539.34	3503.08	5.62	-1.009	-0.001	0.300
55.00	-19.92	-22.66	-2.28	-984.48	-0.02	984.48	3738.97	932.93	3457.11	3434.19	6.05	-1.046	-0.002	0.293
60.00	-19.00	-22.23	-2.28	-871.17	-0.02	871.17	3662.35	905.35	3255.76	3263.55	7.20	-1.145	-0.002	0.273
65.00	-18.10	-21.79	-2.28	-760.04	-0.03	760.04	3583.67	877.78	3060.44	3095.34	8.45	-1.240	-0.002	0.251
70.00	-17.23	-21.36	-2.28	-651.08	-0.03	651.08	3502.92	850.20	2871.17	2929.70	9.80	-1.330	-0.002	0.228
75.00	-16.39	-20.93	-2.28	-544.28	-0.04	544.28	3420.10	822.63	2687.94	2766.81	11.24	-1.413	-0.003	0.202
80.00	-15.59	-20.49	-2.28	-439.65	-0.04	439.65	3335.22	795.05	2510.76	2606.84	12.76	-1.490	-0.003	0.174
81.00	-15.42	-20.41	-2.28	-419.16	-0.04	419.16	3318.00	789.54	2476.04	2575.22	13.07	-1.504	-0.003	0.168
81.00	-15.42	-20.41	-2.28	-419.16	-0.04	419.16	2626.87	659.03	2070.20	2045.56	13.07	-1.504	-0.003	0.212
85.00	-14.89	-20.08	-2.28	-337.51	-0.04	337.51	2576.62	640.65	1956.31	1950.00	14.36	-1.557	-0.003	0.180
89.00	-11.95	-16.41	-2.28	-257.21	-0.05	257.21	2525.05	622.27	1845.65	1855.67	15.69	-1.612	-0.004	0.144
90.00	-11.37	-15.87	-2.28	-240.80	-0.05	240.80	2511.95	617.67	1818.49	1832.29	16.03	-1.624	-0.004	0.137
95.00	-10.76	-15.46	-2.28	-161.44	-0.06	161.44	2445.22	594.69	1685.69	1716.68	17.76	-1.675	-0.005	0.099
99.00	-6.29	-7.60	-2.28	-99.61	-0.06	99.61	2390.34	576.31	1583.08	1625.80	19.18	-1.705	-0.005	0.064
100.00	-6.17	-7.52	-2.28	-92.01	-0.06	92.01	2376.41	571.71	1557.93	1603.32	19.53	-1.711	-0.005	0.060
105.00	-5.63	-7.12	-2.28	-54.40	-0.06	54.41	2305.55	548.73	1435.21	1492.40	21.34	-1.734	-0.006	0.039
109.00	-3.87	-4.55	0.00	-25.92	0.00	25.92	2245.14	530.35	1340.65	1404.12	22.80	-1.746	-0.007	0.020
110.00	-3.77	-4.47	0.00	-21.37	0.00	21.37	2225.68	525.75	1317.52	1379.77	23.16	-1.748	-0.007	0.017
114.00	-0.43	-0.38	0.00	-1.61	0.00	1.61	2147.85	507.37	1226.99	1284.49	24.63	-1.752	-0.007	0.001
115.00	-0.35	-0.31	0.00	-1.23	0.00	1.23	2128.40	502.77	1204.86	1261.20	25.00	-1.752	-0.007	0.001
119.00	0.00	-0.30	0.00	0.00	0.00	0.00	2050.57	484.39	1118.36	1170.18	26.47	-1.752	-0.007	0.000

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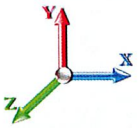
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
99.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	34.284	0.00	3.74
100.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.030	0.000	34.382	0.00	0.25
100.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.030	0.000	34.382	0.00	0.94
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	34.860	0.00	1.23
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	34.860	0.00	4.68
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.032	0.000	35.231	0.00	0.98
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.032	0.000	35.231	0.00	3.74
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	35.322	0.00	0.25
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	35.322	0.00	0.94
114.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.033	0.000	35.681	0.00	0.98
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.033	0.000	35.681	0.00	3.74
115.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.034	0.000	35.769	0.00	0.25
115.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.034	0.000	35.769	0.00	0.94
119.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.035	0.000	36.117	0.00	0.98
119.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.035	0.000	36.117	0.00	3.74
										Totals:	**0.0**	**140.6**

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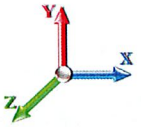
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	24.285	0.00	1.23
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	24.285	0.00	4.68
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	24.285	0.00	1.23
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	24.285	0.00	4.68
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	24.285	0.00	1.23
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	24.285	0.00	4.68
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	24.285	0.00	1.23
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	24.285	0.00	4.68
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	24.285	0.00	1.23
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	24.285	0.00	4.68
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	24.534	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	24.534	0.00	4.68
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	25.605	0.00	1.23
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	25.605	0.00	4.68
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	26.574	0.00	1.23
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	26.574	0.00	4.68
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	27.462	0.00	1.23
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	27.462	0.00	4.68
47.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	27.798	0.00	0.49
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	27.798	0.00	1.87
50.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.022	0.000	28.284	0.00	0.74
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.022	0.000	28.284	0.00	2.81
53.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.022	0.000	28.750	0.00	0.74
53.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.022	0.000	28.750	0.00	2.81
55.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	29.050	0.00	0.49
55.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	29.050	0.00	1.87
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	29.769	0.00	1.23
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	29.769	0.00	4.68
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	30.446	0.00	1.23
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	30.446	0.00	4.68
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	31.088	0.00	1.23
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	31.088	0.00	4.68
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	31.699	0.00	1.23
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	31.699	0.00	4.68
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	32.281	0.00	1.23
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	32.281	0.00	4.68
81.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.026	0.000	32.394	0.00	0.25
81.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.026	0.000	32.394	0.00	0.94
85.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.026	0.000	32.838	0.00	0.98
85.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.026	0.000	32.838	0.00	3.74
89.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.027	0.000	33.267	0.00	0.98
89.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.027	0.000	33.267	0.00	3.74
90.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.028	0.000	33.373	0.00	0.25
90.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.028	0.000	33.373	0.00	0.94
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	33.887	0.00	1.23
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	33.887	0.00	4.68
99.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	34.284	0.00	0.98

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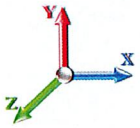
Total Applied Force Summary

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 19

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		479.77	1319.26	0.00	0.00
10.00		468.88	1291.19	0.00	0.00
15.00		457.99	1263.12	0.00	0.00
20.00		447.10	1235.05	0.00	0.00
25.00		436.20	1206.98	0.00	0.00
30.00		429.68	1178.91	0.00	0.00
35.00		436.95	1150.84	0.00	0.00
40.00		441.57	1122.77	0.00	0.00
45.00		444.01	1094.70	0.00	0.00
47.00		176.29	430.02	0.00	0.00
50.00		269.57	1143.77	0.00	0.00
53.00		269.36	1125.00	0.00	0.00
55.00		178.85	364.38	0.00	0.00
60.00		448.83	894.11	0.00	0.00
65.00		445.39	870.05	0.00	0.00
70.00		440.84	845.99	0.00	0.00
75.00		435.27	821.93	0.00	0.00
80.00		428.79	797.87	0.00	0.00
81.00		84.32	156.69	0.00	0.00
85.00		335.99	527.31	0.00	0.00
89.00	(21) attachments	3587.10	3028.27	0.00	0.00
90.00	(1) attachments	531.17	587.24	0.00	0.00
95.00		404.52	611.15	0.00	0.00
99.00	(46) attachments	7722.21	4696.56	0.00	0.00
100.00		77.77	116.62	0.00	0.00
105.00		384.87	554.40	0.00	0.00
109.00	(15) attachments	2518.80	1834.59	2278.74	0.00
110.00		73.56	104.23	0.00	0.00
114.00	(27) attachments	3987.61	3459.56	0.00	1867.15
115.00		71.28	89.32	0.00	0.00
119.00	(1) attachments	296.52	355.10	0.00	0.00
	Totals:	**27,211.05**	**34,277.01**	**2,278.74**	**1,867.15**

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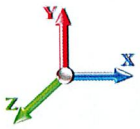
Discrete Appurtenance Forces

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 19

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	119.00	6' Lightning rod	1	36.117	39.729	1.00	1.00	0.38	5.85	0.000	0.000	15.10	0.00	0.00
2	114.00	Ericsson Air32	3	35.857	39.443	0.69	0.80	13.44	356.94	0.000	2.000	529.98	0.00	1059.96
3	114.00	Ericsson AIR6449 B41	3	35.857	39.443	0.57	0.80	9.63	278.10	0.000	2.000	379.74	0.00	759.48
4	114.00	Ericsson 4460 B25 + B66	3	35.681	39.249	0.68	0.80	4.37	280.80	0.000	0.000	171.35	0.00	0.00
5	114.00	Ericsson 4449 B71 + B85	3	35.681	39.249	0.72	0.80	4.21	202.50	0.000	0.000	165.32	0.00	0.00
6	114.00	RFS	3	35.681	39.249	0.58	0.80	34.97	345.60	0.000	0.000	1372.72	0.00	0.00
7	114.00	Mount Pipes	8	35.681	39.249	0.80	0.80	12.16	432.00	0.000	0.000	477.27	0.00	0.00
8	114.00	Ericsson KRY 112 144/1	3	35.857	39.443	0.58	0.80	0.60	29.70	0.000	2.000	23.85	0.00	47.71
9	114.00	Low Profile Platform	1	35.681	39.249	1.00	1.00	14.69	1125.00	0.000	0.000	576.57	0.00	0.00
10	109.00	Commscope VHLP2-18	2	35.231	38.754	1.00	1.00	25.54	48.60	2.302	0.000	989.77	2278.7	0.00
11	109.00	Dual Sector Mounts	3	35.231	38.754	1.00	1.00	12.00	945.00	0.000	0.000	465.04	0.00	0.00
12	109.00	Mount Pipes	4	35.231	38.754	0.80	0.80	6.08	216.00	0.000	0.000	235.62	0.00	0.00
13	109.00	Argus LLPX310R	3	35.231	38.754	0.58	0.80	7.60	74.41	0.000	0.000	294.67	0.00	0.00
14	109.00	Tower BTS	3	35.231	38.754	0.66	0.80	6.04	121.50	0.000	0.000	233.91	0.00	0.00
15	99.00	Raycap DC6-48-60-18-8F	4	34.284	37.713	0.65	0.80	12.49	118.08	0.000	0.000	471.16	0.00	0.00
16	99.00	CCI HPA-65R-BUU-H8	6	34.284	37.713	0.63	0.80	49.22	367.20	0.000	0.000	1856.22	0.00	0.00
17	99.00	Ericsson 8843 B2/B66A	3	34.284	37.713	0.73	0.80	3.58	194.40	0.000	0.000	135.08	0.00	0.00
18	99.00	Ericcson 4449 B5/B12	3	34.284	37.713	0.69	0.80	4.07	191.70	0.000	0.000	153.34	0.00	0.00
19	99.00	Ericcson 4478 B14	3	34.284	37.713	0.63	0.80	3.87	151.20	0.000	0.000	145.87	0.00	0.00
20	99.00	Sector Frames	3	34.284	37.713	0.75	0.75	32.40	1814.40	0.000	0.000	1221.89	0.00	0.00
21	99.00	CCI OPA65R-BU8DA	6	34.284	37.713	0.58	0.80	63.39	413.10	0.000	0.000	2390.50	0.00	0.00
22	99.00	Mount Pipes	18	34.284	37.713	0.80	0.80	27.36	972.00	0.000	0.000	1031.82	0.00	0.00
23	90.00	Mod	1	33.373	36.710	1.00	1.00	12.25	462.60	0.000	0.000	449.70	0.00	0.00
24	89.00	Samsung B2-B66A	3	33.267	36.594	0.62	0.75	3.51	227.88	0.000	0.000	128.48	0.00	0.00
25	89.00	Samsung B5-B13	3	33.267	36.594	0.58	0.75	3.30	189.81	0.000	0.000	120.74	0.00	0.00
26	89.00	RFS DB-T1-6Z-8AB-0Z	1	33.267	36.594	0.53	0.75	2.56	39.60	0.000	0.000	93.53	0.00	0.00
27	89.00	Andrew LNX-6514DS-A1M	3	33.267	36.594	0.61	0.75	15.55	126.90	0.000	0.000	568.89	0.00	0.00
28	89.00	Low Profile Platform w/	1	33.267	36.594	1.00	1.00	23.81	1429.65	0.000	0.000	871.31	0.00	0.00
29	89.00	Samsung 64T64R	3	33.267	36.594	0.52	0.75	7.40	235.17	0.000	0.000	270.89	0.00	0.00
30	89.00	Commscope	6	33.267	36.594	0.62	0.75	30.18	235.98	0.000	0.000	1104.37	0.00	0.00
31	89.00	RFS DB-C1-12C-24AB-0Z	1	33.267	36.594	0.66	0.75	2.68	28.80	0.000	0.000	98.06	0.00	0.00
							Totals:		**11,660.47**			**17,042.72**		

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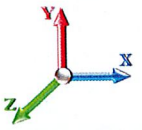
Wind Loading - Shaft

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 19

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	24.285	26.71	497.28	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	24.285	26.71	486.12	0.730	0.000	5.00	24.603	17.96	479.8	0.0	1227.1
10.00		1.00	0.70	24.285	26.71	474.96	0.730	0.000	5.00	24.044	17.55	468.9	0.0	1199.0
15.00		1.00	0.70	24.285	26.71	463.79	0.730	0.000	5.00	23.486	17.14	458.0	0.0	1171.0
20.00		1.00	0.70	24.285	26.71	452.63	0.730	0.000	5.00	22.927	16.74	447.1	0.0	1142.9
25.00		1.00	0.70	24.285	26.71	441.47	0.730	0.000	5.00	22.369	16.33	436.2	0.0	1114.8
30.00		1.00	0.71	24.534	26.99	432.51	0.730	0.000	5.00	21.810	15.92	429.7	0.0	1086.8
35.00		1.00	0.74	25.605	28.17	430.38	0.730	0.000	5.00	21.252	15.51	436.9	0.0	1058.7
40.00		1.00	0.77	26.574	29.23	426.78	0.730	0.000	5.00	20.693	15.11	441.6	0.0	1030.6
45.00		1.00	0.79	27.462	30.21	421.98	0.730	0.000	5.00	20.134	14.70	444.0	0.0	1002.6
47.00	Bot - Section 2	1.00	0.80	27.798	30.58	419.78	0.730	0.000	2.00	7.897	5.77	176.3	0.0	393.2
50.00		1.00	0.82	28.284	31.11	416.20	0.730	0.000	3.00	11.869	8.66	269.6	0.0	1088.5
53.00	Top - Section 1	1.00	0.83	28.750	31.62	412.32	0.730	0.000	3.00	11.668	8.52	269.4	0.0	1069.7
55.00		1.00	0.84	29.050	31.96	416.52	0.730	0.000	2.00	7.667	5.60	178.8	0.0	327.5
60.00		1.00	0.86	29.769	32.75	409.28	0.730	0.000	5.00	18.776	13.71	448.8	0.0	802.0
65.00		1.00	0.88	30.446	33.49	401.42	0.730	0.000	5.00	18.218	13.30	445.4	0.0	777.9
70.00		1.00	0.90	31.088	34.20	393.00	0.730	0.000	5.00	17.659	12.89	440.8	0.0	753.8
75.00		1.00	0.91	31.699	34.87	384.08	0.730	0.000	5.00	17.100	12.48	435.3	0.0	729.8
80.00		1.00	0.93	32.281	35.51	374.72	0.730	0.000	5.00	16.542	12.08	428.8	0.0	705.7
81.00	Top - Section 2	1.00	0.93	32.394	35.63	372.80	0.730	0.000	1.00	3.241	2.37	84.3	0.0	138.3
85.00		1.00	0.95	32.838	36.12	364.96	0.730	0.000	4.00	12.742	9.30	336.0	0.0	453.6
89.00	Appurtenance(s)	1.00	0.96	33.267	36.59	356.89	0.730	0.000	4.00	12.385	9.04	330.8	0.0	440.8
90.00	Appurtenance(s)	1.00	0.96	33.373	36.71	354.84	0.730	0.000	1.00	3.040	2.22	81.5	0.0	108.2
95.00		1.00	0.98	33.887	37.28	344.37	0.730	0.000	5.00	14.866	10.85	404.5	0.0	528.9
99.00	Appurtenance(s)	1.00	0.99	34.284	37.71	335.77	0.730	0.000	4.00	11.491	8.39	316.3	0.0	408.7
100.00		1.00	0.99	34.382	37.82	333.60	0.730	0.000	1.00	2.817	2.06	77.8	0.0	100.2
105.00		1.00	1.00	34.860	38.35	322.53	0.730	0.000	5.00	13.749	10.04	384.9	0.0	488.8
109.00	Appurtenance(s)	1.00	1.02	35.231	38.75	313.49	0.730	0.000	4.00	10.597	7.74	299.8	0.0	376.6
110.00		1.00	1.02	35.322	38.85	311.20	0.730	0.000	1.00	2.593	1.89	73.6	0.0	92.1
114.00	Appurtenance(s)	1.00	1.03	35.681	39.25	301.95	0.730	0.000	4.00	10.150	7.41	290.8	0.0	360.6
115.00		1.00	1.03	35.769	39.35	299.62	0.730	0.000	1.00	2.482	1.81	71.3	0.0	88.1
119.00	Appurtenance(s)	1.00	1.04	36.117	39.73	290.18	0.730	0.000	4.00	9.703	7.08	281.4	0.0	344.5
								Totals:	**119.00**			**10,168.3**		**20,610.9**

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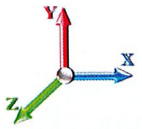
Calculated Forces

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-45.68	-27.25	-2.27	-2379.2	-0.01	2379.24	5484.43	1422.51	6889.34	6589.47	0.00	0.000	0.000	0.370
5.00	-43.88	-26.84	-2.27	-2242.9	-0.01	2242.99	5405.01	1390.34	6581.24	6346.09	0.05	-0.094	0.000	0.362
10.00	-42.11	-26.44	-2.27	-2108.7	-0.01	2108.79	5323.53	1358.16	6280.19	6104.68	0.20	-0.189	0.000	0.354
15.00	-40.39	-26.04	-2.27	-1976.6	-0.01	1976.60	5239.98	1325.99	5986.19	5865.43	0.45	-0.285	0.000	0.345
20.00	-38.70	-25.65	-2.27	-1846.4	-0.01	1846.40	5154.37	1293.82	5699.23	5628.50	0.80	-0.381	0.000	0.336
25.00	-37.05	-25.26	-2.27	-1718.1	-0.01	1718.15	5066.69	1261.65	5419.32	5394.05	1.25	-0.478	-0.001	0.326
30.00	-35.44	-24.88	-2.27	-1591.8	-0.01	1591.84	4976.95	1229.48	5146.47	5162.27	1.81	-0.574	-0.001	0.316
35.00	-33.87	-24.48	-2.27	-1467.4	-0.01	1467.44	4885.14	1197.31	4880.65	4933.31	2.46	-0.671	-0.001	0.305
40.00	-32.34	-24.08	-2.27	-1345.0	-0.01	1345.03	4791.27	1165.13	4621.89	4707.35	3.22	-0.767	-0.001	0.293
45.00	-30.86	-23.65	-2.28	-1224.6	-0.02	1224.65	4695.33	1132.96	4370.17	4484.56	4.07	-0.862	-0.001	0.280
47.00	-30.27	-23.49	-2.28	-1177.3	-0.02	1177.36	4656.37	1120.09	4271.46	4396.37	4.44	-0.901	-0.001	0.275
50.00	-28.72	-23.22	-2.28	-1106.9	-0.02	1106.90	4597.32	1100.79	4125.50	4265.11	5.03	-0.958	-0.001	0.266
53.00	-27.21	-22.95	-2.28	-1037.2	-0.02	1037.23	3769.04	943.96	3539.34	3503.08	5.65	-1.015	-0.001	0.304
55.00	-26.70	-22.79	-2.28	-991.33	-0.02	991.33	3738.97	932.93	3457.11	3434.19	6.08	-1.053	-0.002	0.296
60.00	-25.48	-22.37	-2.28	-877.37	-0.02	877.37	3662.35	905.35	3255.76	3263.55	7.24	-1.152	-0.002	0.276
65.00	-24.29	-21.94	-2.28	-765.54	-0.03	765.54	3583.67	877.78	3060.44	3095.34	8.50	-1.247	-0.002	0.255
70.00	-23.14	-21.50	-2.28	-655.87	-0.03	655.87	3502.92	850.20	2871.17	2929.70	9.85	-1.338	-0.002	0.231
75.00	-22.03	-21.07	-2.28	-548.35	-0.04	548.35	3420.10	822.63	2687.94	2766.81	11.30	-1.422	-0.003	0.205
80.00	-20.96	-20.63	-2.28	-442.98	-0.04	442.98	3335.22	795.05	2510.76	2606.84	12.84	-1.499	-0.003	0.177
81.00	-20.74	-20.56	-2.28	-422.34	-0.04	422.34	3318.00	789.54	2476.04	2575.22	13.15	-1.514	-0.003	0.171
81.00	-20.74	-20.56	-2.28	-422.34	-0.04	422.34	2626.87	659.03	2070.20	2045.56	13.15	-1.514	-0.003	0.215
85.00	-20.03	-20.22	-2.28	-340.11	-0.05	340.11	2576.62	640.65	1956.31	1950.00	14.44	-1.567	-0.003	0.183
89.00	-16.08	-16.53	-2.28	-259.23	-0.05	259.23	2525.05	622.27	1845.65	1855.67	15.78	-1.622	-0.004	0.147
90.00	-15.30	-15.99	-2.28	-242.70	-0.05	242.70	2511.95	617.67	1818.49	1832.29	16.12	-1.634	-0.004	0.139
95.00	-14.49	-15.57	-2.28	-162.76	-0.06	162.76	2445.22	594.69	1685.69	1716.68	17.87	-1.686	-0.005	0.101
99.00	-8.46	-7.67	-2.28	-100.48	-0.06	100.48	2390.34	576.31	1583.08	1625.80	19.29	-1.716	-0.005	0.066
100.00	-8.30	-7.59	-2.28	-92.81	-0.06	92.81	2376.41	571.71	1557.93	1603.32	19.65	-1.722	-0.005	0.062
105.00	-7.57	-7.18	-2.28	-54.87	-0.06	54.87	2305.55	548.73	1435.21	1492.40	21.47	-1.746	-0.006	0.040
109.00	-5.21	-4.59	0.00	-26.14	0.00	26.14	2245.14	530.35	1340.65	1404.12	22.94	-1.757	-0.007	0.021
110.00	-5.07	-4.51	0.00	-21.55	0.00	21.55	2225.68	525.75	1317.52	1379.77	23.31	-1.759	-0.007	0.018
114.00	-0.58	-0.39	0.00	-1.63	0.00	1.63	2147.85	507.37	1226.99	1284.49	24.78	-1.763	-0.007	0.002
115.00	-0.46	-0.31	0.00	-1.24	0.00	1.24	2128.40	502.77	1204.86	1261.20	25.15	-1.764	-0.007	0.001
119.00	0.00	-0.30	0.00	0.00	0.00	0.00	2050.57	484.39	1118.36	1170.18	26.63	-1.764	-0.007	0.000

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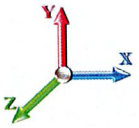
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
99.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	34.284	0.00	4.99
100.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.030	0.000	34.382	0.00	0.33
100.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.030	0.000	34.382	0.00	1.25
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	34.860	0.00	1.64
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	34.860	0.00	6.24
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.032	0.000	35.231	0.00	1.31
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.032	0.000	35.231	0.00	4.99
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	35.322	0.00	0.33
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	35.322	0.00	1.25
114.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.033	0.000	35.681	0.00	1.31
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.033	0.000	35.681	0.00	4.99
115.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.034	0.000	35.769	0.00	0.33
115.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.034	0.000	35.769	0.00	1.25
119.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.035	0.000	36.117	0.00	1.31
119.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.035	0.000	36.117	0.00	4.99
										Totals:	**0.0**	**187.5**

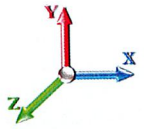
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Linear Appurtenance Segment Forces (Factored)

Structure: CT13555-S
Site Name: Montano
Height: 119.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 3/31/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

Load Case: 1.2D + 1.0W 120 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	24.285	0.00	1.64
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	24.285	0.00	6.24
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	24.285	0.00	1.64
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	24.285	0.00	6.24
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	24.285	0.00	1.64
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	24.285	0.00	6.24
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	24.285	0.00	1.64
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	24.285	0.00	6.24
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	24.285	0.00	1.64
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	24.285	0.00	6.24
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	24.534	0.00	1.64
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	24.534	0.00	6.24
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	25.605	0.00	1.64
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	25.605	0.00	6.24
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	26.574	0.00	1.64
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	26.574	0.00	6.24
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	27.462	0.00	1.64
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	27.462	0.00	6.24
47.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	27.798	0.00	0.66
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	27.798	0.00	2.50
50.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.022	0.000	28.284	0.00	0.98
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.022	0.000	28.284	0.00	3.74
53.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.022	0.000	28.750	0.00	0.98
53.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.022	0.000	28.750	0.00	3.74
55.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	29.050	0.00	0.66
55.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	29.050	0.00	2.50
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	29.769	0.00	1.64
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	29.769	0.00	6.24
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	30.446	0.00	1.64
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	30.446	0.00	6.24
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	31.088	0.00	1.64
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	31.088	0.00	6.24
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	31.699	0.00	1.64
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	31.699	0.00	6.24
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	32.281	0.00	1.64
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	32.281	0.00	6.24
81.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.026	0.000	32.394	0.00	0.33
81.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.026	0.000	32.394	0.00	1.25
85.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.026	0.000	32.838	0.00	1.31
85.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.026	0.000	32.838	0.00	4.99
89.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.027	0.000	33.267	0.00	1.31
89.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.027	0.000	33.267	0.00	4.99
90.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.028	0.000	33.373	0.00	0.33
90.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.028	0.000	33.373	0.00	1.25
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	33.887	0.00	1.64
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	33.887	0.00	6.24
99.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	34.284	0.00	1.31

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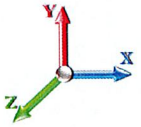
Total Applied Force Summary

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		479.77	1759.02	0.00	0.00
10.00		468.88	1721.59	0.00	0.00
15.00		457.99	1684.17	0.00	0.00
20.00		447.10	1646.74	0.00	0.00
25.00		436.20	1609.31	0.00	0.00
30.00		429.68	1571.88	0.00	0.00
35.00		436.95	1534.46	0.00	0.00
40.00		441.57	1497.03	0.00	0.00
45.00		444.01	1459.60	0.00	0.00
47.00		176.29	573.36	0.00	0.00
50.00		269.57	1525.03	0.00	0.00
53.00		269.36	1500.01	0.00	0.00
55.00		178.85	485.84	0.00	0.00
60.00		448.83	1192.15	0.00	0.00
65.00		445.39	1160.07	0.00	0.00
70.00		440.84	1127.98	0.00	0.00
75.00		435.27	1095.90	0.00	0.00
80.00		428.79	1063.82	0.00	0.00
81.00		84.32	208.92	0.00	0.00
85.00		335.99	703.09	0.00	0.00
89.00	(21) attachments	3587.10	4037.70	0.00	0.00
90.00	(1) attachments	531.17	782.98	0.00	0.00
95.00		404.52	814.86	0.00	0.00
99.00	(46) attachments	7722.21	6262.08	0.00	0.00
100.00		77.77	155.49	0.00	0.00
105.00		384.87	739.20	0.00	0.00
109.00	(15) attachments	2518.80	2446.13	2278.74	0.00
110.00		73.56	138.98	0.00	0.00
114.00	(27) attachments	3987.61	4612.75	0.00	1867.15
115.00		71.28	119.09	0.00	0.00
119.00	(1) attachments	296.52	473.46	0.00	0.00
	Totals:	**27,211.05**	**45,702.68**	**2,278.74**	**1,867.15**

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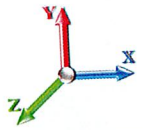
Discrete Appurtenance Forces

Structure: CT13555-S
Site Name: Montano
Height: 119.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1
Topography: 1

Code: TIA-222-H
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

3/31/2023

Load Case: 1.2D + 1.0W 120 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 19

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	119.00	6' Lightning rod	1	36.117	39.729	1.00	1.00	0.38	7.80	0.000	0.000	15.10	0.00	0.00
2	114.00	Ericsson Air32	3	35.857	39.443	0.69	0.80	13.44	475.92	0.000	2.000	529.98	0.00	1059.96
3	114.00	Ericsson AIR6449 B41	3	35.857	39.443	0.57	0.80	9.63	370.80	0.000	2.000	379.74	0.00	759.48
4	114.00	Ericsson 4460 B25 + B66	3	35.681	39.249	0.68	0.80	4.37	374.40	0.000	0.000	171.35	0.00	0.00
5	114.00	Ericsson 4449 B71 + B85	3	35.681	39.249	0.72	0.80	4.21	270.00	0.000	0.000	165.32	0.00	0.00
6	114.00	RFS	3	35.681	39.249	0.58	0.80	34.97	460.80	0.000	0.000	1372.72	0.00	0.00
7	114.00	Mount Pipes	8	35.681	39.249	0.80	0.80	12.16	576.00	0.000	0.000	477.27	0.00	0.00
8	114.00	Ericsson KRY 112 144/1	3	35.857	39.443	0.58	0.80	0.60	39.60	0.000	2.000	23.85	0.00	47.71
9	114.00	Low Profile Platform	1	35.681	39.249	1.00	1.00	14.69	1500.00	0.000	0.000	576.57	0.00	0.00
10	109.00	Commscope VHLP2-18	2	35.231	38.754	1.00	1.00	25.54	64.80	2.302	0.000	989.77	2278.7	0.00
11	109.00	Dual Sector Mounts	3	35.231	38.754	1.00	1.00	12.00	1260.00	0.000	0.000	465.04	0.00	0.00
12	109.00	Mount Pipes	4	35.231	38.754	0.80	0.80	6.08	288.00	0.000	0.000	235.62	0.00	0.00
13	109.00	Argus LLPX310R	3	35.231	38.754	0.58	0.80	7.60	99.22	0.000	0.000	294.67	0.00	0.00
14	109.00	Tower BTS	3	35.231	38.754	0.66	0.80	6.04	162.00	0.000	0.000	233.91	0.00	0.00
15	99.00	Raycap DC6-48-60-18-8F	4	34.284	37.713	0.65	0.80	12.49	157.44	0.000	0.000	471.16	0.00	0.00
16	99.00	CCI HPA-65R-BUU-H8	6	34.284	37.713	0.63	0.80	49.22	489.60	0.000	0.000	1856.22	0.00	0.00
17	99.00	Ericsson 8843 B2/B66A	3	34.284	37.713	0.73	0.80	3.58	259.20	0.000	0.000	135.08	0.00	0.00
18	99.00	Ericcson 4449 B5/B12	3	34.284	37.713	0.69	0.80	4.07	255.60	0.000	0.000	153.34	0.00	0.00
19	99.00	Ericcson 4478 B14	3	34.284	37.713	0.63	0.80	3.87	201.60	0.000	0.000	145.87	0.00	0.00
20	99.00	Sector Frames	3	34.284	37.713	0.75	0.75	32.40	2419.20	0.000	0.000	1221.89	0.00	0.00
21	99.00	CCI OPA65R-BU8DA	6	34.284	37.713	0.58	0.80	63.39	550.80	0.000	0.000	2390.50	0.00	0.00
22	99.00	Mount Pipes	18	34.284	37.713	0.80	0.80	27.36	1296.00	0.000	0.000	1031.82	0.00	0.00
23	90.00	Mod	1	33.373	36.710	1.00	1.00	12.25	616.80	0.000	0.000	449.70	0.00	0.00
24	89.00	Samsung B2-B66A	3	33.267	36.594	0.62	0.75	3.51	303.84	0.000	0.000	128.48	0.00	0.00
25	89.00	Samsung B5-B13	3	33.267	36.594	0.58	0.75	3.30	253.08	0.000	0.000	120.74	0.00	0.00
26	89.00	RFS DB-T1-6Z-8AB-0Z	1	33.267	36.594	0.53	0.75	2.56	52.80	0.000	0.000	93.53	0.00	0.00
27	89.00	Andrew LNX-6514DS-A1M	3	33.267	36.594	0.61	0.75	15.55	169.20	0.000	0.000	568.89	0.00	0.00
28	89.00	Low Profile Platform w/	1	33.267	36.594	1.00	1.00	23.81	1906.20	0.000	0.000	871.31	0.00	0.00
29	89.00	Samsung 64T64R	3	33.267	36.594	0.52	0.75	7.40	313.56	0.000	0.000	270.89	0.00	0.00
30	89.00	Commscope	6	33.267	36.594	0.62	0.75	30.18	314.64	0.000	0.000	1104.37	0.00	0.00
31	89.00	RFS DB-C1-12C-24AB-0Z	1	33.267	36.594	0.66	0.75	2.68	38.40	0.000	0.000	98.06	0.00	0.00
								Totals:	**15,547.30**			**17,042.72**		

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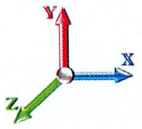
Wind Loading - Shaft

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	24.285	26.71	497.28	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	24.285	26.71	486.12	0.730	0.000	5.00	24.603	17.96	479.8	0.0	1636.2
10.00		1.00	0.70	24.285	26.71	474.96	0.730	0.000	5.00	24.044	17.55	468.9	0.0	1598.7
15.00		1.00	0.70	24.285	26.71	463.79	0.730	0.000	5.00	23.486	17.14	458.0	0.0	1561.3
20.00		1.00	0.70	24.285	26.71	452.63	0.730	0.000	5.00	22.927	16.74	447.1	0.0	1523.9
25.00		1.00	0.70	24.285	26.71	441.47	0.730	0.000	5.00	22.369	16.33	436.2	0.0	1486.4
30.00		1.00	0.71	24.534	26.99	432.51	0.730	0.000	5.00	21.810	15.92	429.7	0.0	1449.0
35.00		1.00	0.74	25.605	28.17	430.38	0.730	0.000	5.00	21.252	15.51	436.9	0.0	1411.6
40.00		1.00	0.77	26.574	29.23	426.78	0.730	0.000	5.00	20.693	15.11	441.6	0.0	1374.2
45.00		1.00	0.79	27.462	30.21	421.98	0.730	0.000	5.00	20.134	14.70	444.0	0.0	1336.7
47.00	Bot - Section 2	1.00	0.80	27.798	30.58	419.78	0.730	0.000	2.00	7.897	5.77	176.3	0.0	524.2
50.00		1.00	0.82	28.284	31.11	416.20	0.730	0.000	3.00	11.869	8.66	269.6	0.0	1451.3
53.00	Top - Section 1	1.00	0.83	28.750	31.62	412.32	0.730	0.000	3.00	11.668	8.52	269.4	0.0	1426.3
55.00		1.00	0.84	29.050	31.96	416.52	0.730	0.000	2.00	7.667	5.60	178.8	0.0	436.7
60.00		1.00	0.86	29.769	32.75	409.28	0.730	0.000	5.00	18.776	13.71	448.8	0.0	1069.3
65.00		1.00	0.88	30.446	33.49	401.42	0.730	0.000	5.00	18.218	13.30	445.4	0.0	1037.2
70.00		1.00	0.90	31.088	34.20	393.00	0.730	0.000	5.00	17.659	12.89	440.8	0.0	1005.1
75.00		1.00	0.91	31.699	34.87	384.08	0.730	0.000	5.00	17.100	12.48	435.3	0.0	973.0
80.00		1.00	0.93	32.281	35.51	374.72	0.730	0.000	5.00	16.542	12.08	428.8	0.0	941.0
81.00	Top - Section 2	1.00	0.93	32.394	35.63	372.80	0.730	0.000	1.00	3.241	2.37	84.3	0.0	184.3
85.00		1.00	0.95	32.838	36.12	364.96	0.730	0.000	4.00	12.742	9.30	336.0	0.0	604.8
89.00	Appurtenance(s)	1.00	0.96	33.267	36.59	356.89	0.730	0.000	4.00	12.385	9.04	330.8	0.0	587.7
90.00	Appurtenance(s)	1.00	0.96	33.373	36.71	354.84	0.730	0.000	1.00	3.040	2.22	81.5	0.0	144.2
95.00		1.00	0.98	33.887	37.28	344.37	0.730	0.000	5.00	14.866	10.85	404.5	0.0	705.2
99.00	Appurtenance(s)	1.00	0.99	34.284	37.71	335.77	0.730	0.000	4.00	11.491	8.39	316.3	0.0	544.9
100.00		1.00	0.99	34.382	37.82	333.60	0.730	0.000	1.00	2.817	2.06	77.8	0.0	133.6
105.00		1.00	1.00	34.860	38.35	322.53	0.730	0.000	5.00	13.749	10.04	384.9	0.0	651.7
109.00	Appurtenance(s)	1.00	1.02	35.231	38.75	313.49	0.730	0.000	4.00	10.597	7.74	299.8	0.0	502.1
110.00		1.00	1.02	35.322	38.85	311.20	0.730	0.000	1.00	2.593	1.89	73.6	0.0	122.9
114.00	Appurtenance(s)	1.00	1.03	35.681	39.25	301.95	0.730	0.000	4.00	10.150	7.41	290.8	0.0	480.7
115.00		1.00	1.03	35.769	39.35	299.62	0.730	0.000	1.00	2.482	1.81	71.3	0.0	117.5
119.00	Appurtenance(s)	1.00	1.04	36.117	39.73	290.18	0.730	0.000	4.00	9.703	7.08	281.4	0.0	459.4
								Totals:	**119.00**			**10,168.3**		**27,481.1**

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Shaft Section Properties

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Increment Length: 5 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4375	58.810	81.055	34893.7	22.29	134.42	75.2	1168.	0.0
5.00		0.4375	57.490	79.221	32579.4	21.76	131.41	75.8	1116.	1363.5
10.00		0.4375	56.170	77.388	30369.7	21.23	128.39	76.4	1064.	1332.3
15.00		0.4375	54.849	75.555	28262.2	20.70	125.37	77.1	1014.	1301.1
20.00		0.4375	53.529	73.722	26254.6	20.16	122.35	77.7	966.0	1269.9
25.00		0.4375	52.209	71.889	24344.4	19.63	119.34	78.3	918.4	1238.7
30.00		0.4375	50.889	70.056	22529.1	19.10	116.32	78.9	872.0	1207.5
35.00		0.4375	49.569	68.223	20806.4	18.57	113.30	79.6	826.7	1176.3
40.00		0.4375	48.249	66.389	19173.9	18.04	110.28	80.2	782.7	1145.1
45.00		0.4375	46.928	64.556	17629.0	17.50	107.27	80.8	739.9	1113.9
47.00	Bot - Section 2	0.4375	46.400	63.823	17035.1	17.29	106.06	81.1	723.1	436.8
50.00		0.4375	45.608	62.723	16169.5	16.97	104.25	81.4	698.3	1209.4
53.00	Top - Section 1	0.3750	45.566	53.787	13878.3	20.01	121.51	0.0	0.0	1188.6
55.00		0.3750	45.038	53.158	13397.5	19.77	120.10	78.2	585.9	363.9
60.00		0.3750	43.718	51.587	12244.2	19.15	116.58	78.9	551.6	891.1
65.00		0.3750	42.398	50.016	11159.1	18.53	113.06	79.6	518.4	864.3
70.00		0.3750	41.078	48.445	10140.1	17.90	109.54	80.3	486.2	837.6
75.00		0.3750	39.757	46.873	9185.1	17.28	106.02	81.1	455.0	810.9
80.00		0.3750	38.437	45.302	8292.0	16.66	102.50	81.8	424.9	784.1
81.00	Top - Section 2	0.3750	38.173	44.988	8120.7	16.54	101.80	81.9	419.0	153.6
81.00	Bot - Section 3	0.3125	38.173	37.552	6800.8	19.85	122.15	77.7	350.9	
85.00		0.3125	37.117	36.504	6247.4	19.53	118.77	78.4	331.5	504.0
89.00		0.3125	36.061	35.457	5724.9	18.94	115.40	79.1	312.7	489.7
90.00		0.3125	35.797	35.195	5599.0	18.79	114.55	79.3	308.1	120.2
95.00		0.3125	34.477	33.886	4997.0	18.04	110.33	80.2	285.5	587.7
99.00		0.3125	33.421	32.838	4547.8	17.45	106.95	80.9	268.0	454.1
100.00		0.3125	33.157	32.576	4439.8	17.30	106.10	81.1	263.7	111.3
105.00		0.3125	31.836	31.267	3925.7	16.55	101.88	81.9	242.9	543.1
109.00		0.3125	30.780	30.219	3544.2	15.96	98.50	82.5	226.8	418.4
110.00		0.3125	30.516	29.957	3452.9	15.81	97.65	82.5	222.9	102.4
114.00		0.3125	29.460	28.910	3103.2	15.21	94.27	82.5	207.5	400.6
115.00		0.3125	29.196	28.648	3019.6	15.06	93.43	82.5	203.7	97.9
119.00		0.3125	28.140	27.600	2700.3	14.47	90.05	82.5	189.0	382.8
										22901.0

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Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
0.00	100.00	(8) 3/4" DC			0.00	Inside					
0.00	100.00	(3) 3/8" RET			0.00	Inside					
0.00	89.00	(2) 1 5/8" Hybrid			0.00	Inside					

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Load Summary

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	119.00	6' Lightning rod	1	6.50	0.38	1.00	42.00	1.444	1.00	0.00	0.00
2	114.00	Ericsson AIR6449 B41	3	103.00	5.65	0.71	236.52	6.576	0.73	0.00	2.00
3	114.00	Ericsson 4449 B71 + B85 RRU	3	75.00	1.95	0.90	132.61	2.499	0.91	0.00	0.00
4	114.00	Ericsson 4460 B25 + B66 RRU	3	104.00	2.14	0.85	160.84	2.703	0.86	0.00	0.00
5	114.00	Ericsson Air32	3	132.20	6.51	0.86	294.41	7.572	0.87	0.00	2.00
6	114.00	RFS APXVAARR24_43-U-NA20	3	128.00	20.24	0.72	568.19	22.056	0.73	0.00	0.00
7	114.00	Mount Pipes	8	60.00	1.90	1.00	133.42	3.514	1.00	0.00	0.00
8	114.00	Ericsson KRY 112 144/1	3	11.00	0.35	0.72	21.50	0.745	0.77	0.00	2.00
9	114.00	Low Profile Platform	1	1250.00	14.69	1.00	2779.51	27.172	1.00	0.00	0.00
10	109.00	Tower BTS	3	45.00	3.03	0.83	124.03	3.721	0.84	0.00	0.00
11	109.00	Argus LLPX310R	3	27.56	4.34	0.73	127.18	5.189	0.75	0.00	0.00
12	109.00	Mount Pipes	4	60.00	1.90	1.00	133.09	3.507	1.00	0.00	0.00
13	109.00	Dual Sector Mounts	3	350.00	4.00	1.00	634.24	6.707	1.00	0.00	0.00
14	109.00	Commscope VHLP2-18	2	27.00	12.77	1.00	121.87	16.140	1.00	1.00	0.00
15	99.00	CCI OPA65R-BU8DA	6	76.50	18.09	0.73	460.96	19.812	0.74	0.00	0.00
16	99.00	Sector Frames (VFA14-H10-2120)	3	672.00	14.40	1.00	1482.85	26.466	1.00	0.00	0.00
17	99.00	Ericcson 4478 B14	3	56.00	2.04	0.79	107.24	2.588	0.81	0.00	0.00
18	99.00	Ericcson 4449 B5/B12	3	71.00	1.97	0.86	123.64	2.510	0.87	0.00	0.00
19	99.00	Ericsson 8843 B2/B66A	3	72.00	1.64	0.91	118.04	2.130	0.92	0.00	0.00
20	99.00	Mount Pipes	18	60.00	1.90	1.00	132.40	3.492	1.00	0.00	0.00
21	99.00	CCI HPA-65R-BUU-H8	6	68.00	12.98	0.79	344.65	14.494	0.80	0.00	0.00
22	99.00	Raycap DC6-48-60-18-8F	4	32.80	4.82	0.81	152.90	5.663	0.81	0.00	0.00
23	90.00	Mod	1	514.00	12.25	1.00	1094.25	23.639	1.00	0.00	0.00
24	89.00	Andrew LNX-6514DS-A1M	3	47.00	8.53	0.81	232.22	9.758	0.82	0.00	0.00
25	89.00	Samsung B2-B66A RRH-BR049	3	84.40	1.88	0.83	133.11	2.404	0.83	0.00	0.00
26	89.00	Samsung B5-B13 RRH-BR04C	3	70.30	1.88	0.78	116.51	2.404	0.78	0.00	0.00
27	89.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	4.80	0.71	153.39	5.606	0.72	0.00	0.00
28	89.00	Samsung 64T64R	3	87.10	4.70	0.70	193.70	5.557	0.71	0.00	0.00
29	89.00	Commscope NHH-65B-R2B	6	43.70	8.08	0.83	224.29	9.270	0.83	0.00	0.00
30	89.00	RFS DB-C1-12C-24AB-0Z	1	32.00	4.06	0.88	140.38	4.836	0.89	0.00	0.00
31	89.00	Low Profile Platform w/ Handrails &	1	1588.50	23.81	1.00	3485.14	43.552	1.00	0.00	0.00
		Totals:	**111**	**12,956.08**			**33,132.72**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	119.00	(1) Safety Cable	0.38	Outside
0.00	119.00	(1) Step bolts (ladder)	0.63	Outside
0.00	114.00	(8) 1 5/8" Coax	0.00	Inside
0.00	114.00	(3) 1 5/8" Fiber	0.00	Inside
0.00	114.00	(1) 1.9" Fiber	0.00	Inside
0.00	109.00	(2) 1/2" Coax	0.00	Inside
0.00	109.00	(3) 1/4" Fiber	0.00	Inside
0.00	109.00	(3) 5/16" Coax	0.00	Inside
0.00	109.00	(3) 5/8" DC Power	0.00	Inside
0.00	100.00	(2) 1/2" Fiber	0.00	Inside

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Shaft Properties

Structure:	CT13555-S	**Code:**	TIA-222-H	3/31/2023	
Site Name:	Montano	**Exposure:**	B		
Height:	119.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	53.000	0.4375	65		0.00	12,866
2	18	34.000	0.3750	65	Slip	72.00	5,823
3	18	38.000	0.3125	65	Flange	0.00	4,212
					Total Shaft Weight:		**22,901**

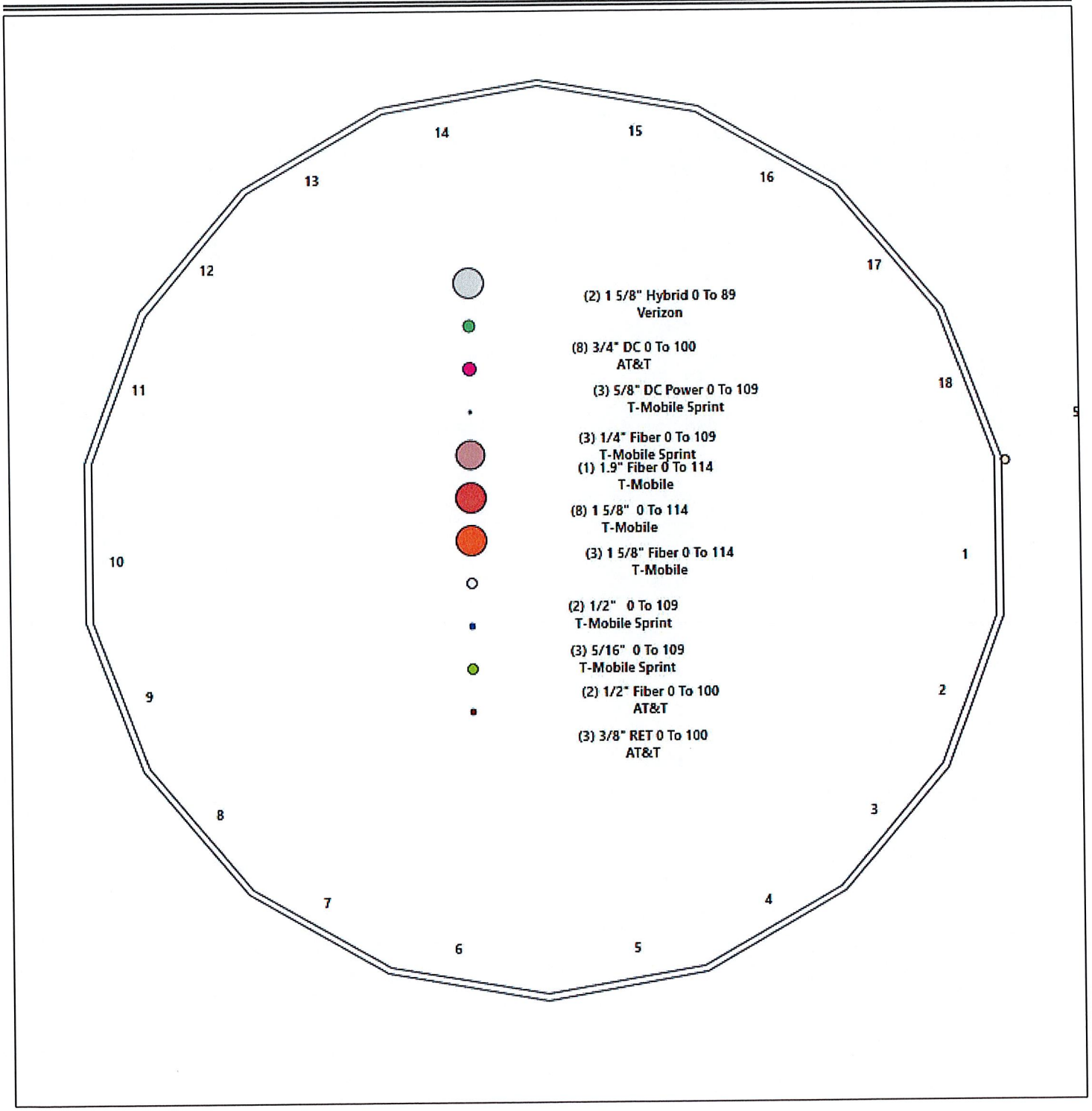
	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	58.81	0.00	81.05	34893.72	22.29	134.42	44.82	53.00	61.62	15333.6	16.65	102.4	0.264034
2	47.15	47.00	55.67	15389.65	20.76	125.73	38.17	81.00	44.99	8120.67	16.54	101.8	0.264034
3	38.17	81.00	37.55	6800.85	20.13	122.15	28.14	119.00	27.60	2700.33	14.47	90.05	0.264034

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Structure: CT13555-S - Coax Line Placement

Type: Monopole
Site Name: Montano
Height: 119.00 (ft)

3/31/2023



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0.00	89.00	Inside	1 5/8" Hybrid	Verizon

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
20	2.25" 18J	75.0	Cluster

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.2500	66.0	50.0	Clipped

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 120 mph Wind	2379.2	27.2	45.7
0.9D + 1.0W 120 mph Wind	2368.0	27.2	34.3
1.2D + 1.0Di + 1.0Wi 50 mph Wind	620.2	7.2	69.9
1.2D + 1.0Ev + 1.0Eh	114.4	1.2	47.3
0.9D + 1.0Ev + 1.0Eh	114.0	1.2	35.8
1.0D + 1.0W 60 mph Wind	530.5	6.1	38.1

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Structure: CT13555-S

Type: Tapered
Site Name: Montano
Height: 119.00 (ft)
Base Elev: 1.00 (ft)

Base Shape: 18 Sided
Taper: 0.26403

3/31/2023

Shaft Properties

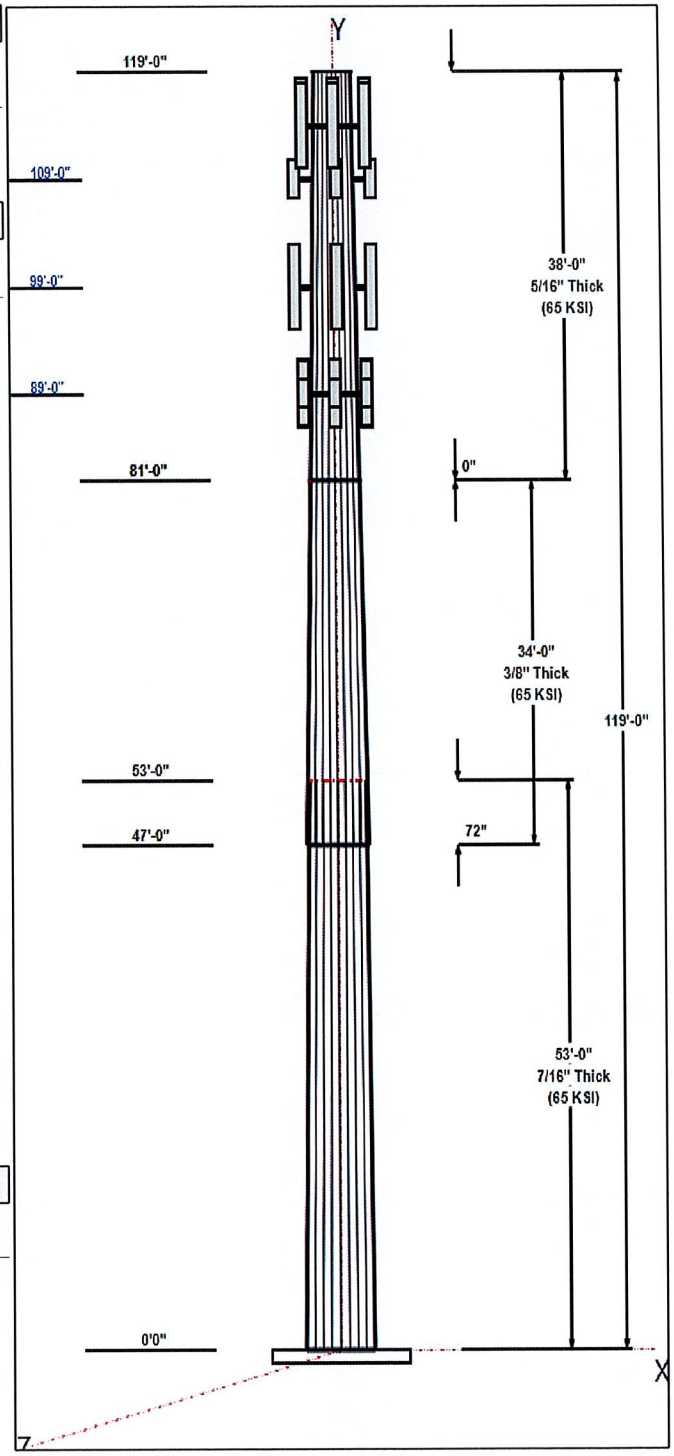
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	53.00	44.82	58.81	0.438		0.26403	65
2	34.00	38.17	47.15	0.375	Slip	0.26403	65
3	38.00	28.14	38.17	0.313	Butt	0.26403	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
119.00	119.00	1	6' Lightning rod	
114.00	116.00	3	Ericsson AIR6449 B41	T-Mobile
114.00	114.00	3	Ericsson 4449 B71 + B85	T-Mobile
114.00	114.00	3	Ericsson 4460 B25 + B66	T-Mobile
114.00	116.00	3	Ericsson Air32	T-Mobile
114.00	114.00	3	RFS	T-Mobile
114.00	114.00	8	Mount Pipes	T-Mobile
114.00	116.00	3	Ericsson KRY 112 144/1	T-Mobile
114.00	114.00	1	Low Profile Platform	T-Mobile
109.00	109.00	3	Tower BTS	T-Mobile Sprint
109.00	109.00	3	Argus LLPX310R	T-Mobile Sprint
109.00	109.00	4	Mount Pipes	T-Mobile Sprint
109.00	109.00	3	Dual Sector Mounts	T-Mobile Sprint
109.00	109.00	2	Commscope VHLP2-18	T-Mobile Sprint
99.00	99.00	6	CCI OPA65R-BU8DA	AT&T
99.00	99.00	3	Sector Frames	AT&T
99.00	99.00	3	Ericcson 4478 B14	AT&T
99.00	99.00	3	Ericcson 4449 B5/B12	AT&T
99.00	99.00	3	Ericsson 8843 B2/B66A	AT&T
99.00	99.00	18	Mount Pipes	AT&T
99.00	99.00	6	CCI HPA-65R-BUU-H8	AT&T
99.00	99.00	4	Raycap DC6-48-60-18-8F	AT&T
90.00	90.00	1	Mod	Verizon
89.00	89.00	3	Andrew LNX-6514DS-A1M	Verizon
89.00	89.00	3	Samsung B2-B66A	Verizon
89.00	89.00	3	Samsung B5-B13	Verizon
89.00	89.00	1	RFS DB-T1-6Z-8AB-0Z	Verizon
89.00	89.00	3	Samsung 64T64R	Verizon
89.00	89.00	6	Commscope	Verizon
89.00	89.00	1	RFS DB-C1-12C-24AB-0Z	Verizon
89.00	89.00	1	Low Profile Platform w/	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	119.00	Outside	Safety Cable	
0.00	119.00	Outside	Step bolts (ladder)	
0.00	114.00	Inside	1 5/8" Coax	T-Mobile
0.00	114.00	Inside	1 5/8" Fiber	T-Mobile
0.00	114.00	Inside	1.9" Fiber	T-Mobile
0.00	109.00	Inside	1/2" Coax	T-Mobile Sprint
0.00	109.00	Inside	1/4" Fiber	T-Mobile Sprint
0.00	109.00	Inside	5/16" Coax	T-Mobile Sprint
0.00	109.00	Inside	5/8" DC Power	T-Mobile Sprint
0.00	100.00	Inside	1/2" Fiber	AT&T
0.00	100.00	Inside	3/4" DC	AT&T
0.00	100.00	Inside	3/8" RET	AT&T



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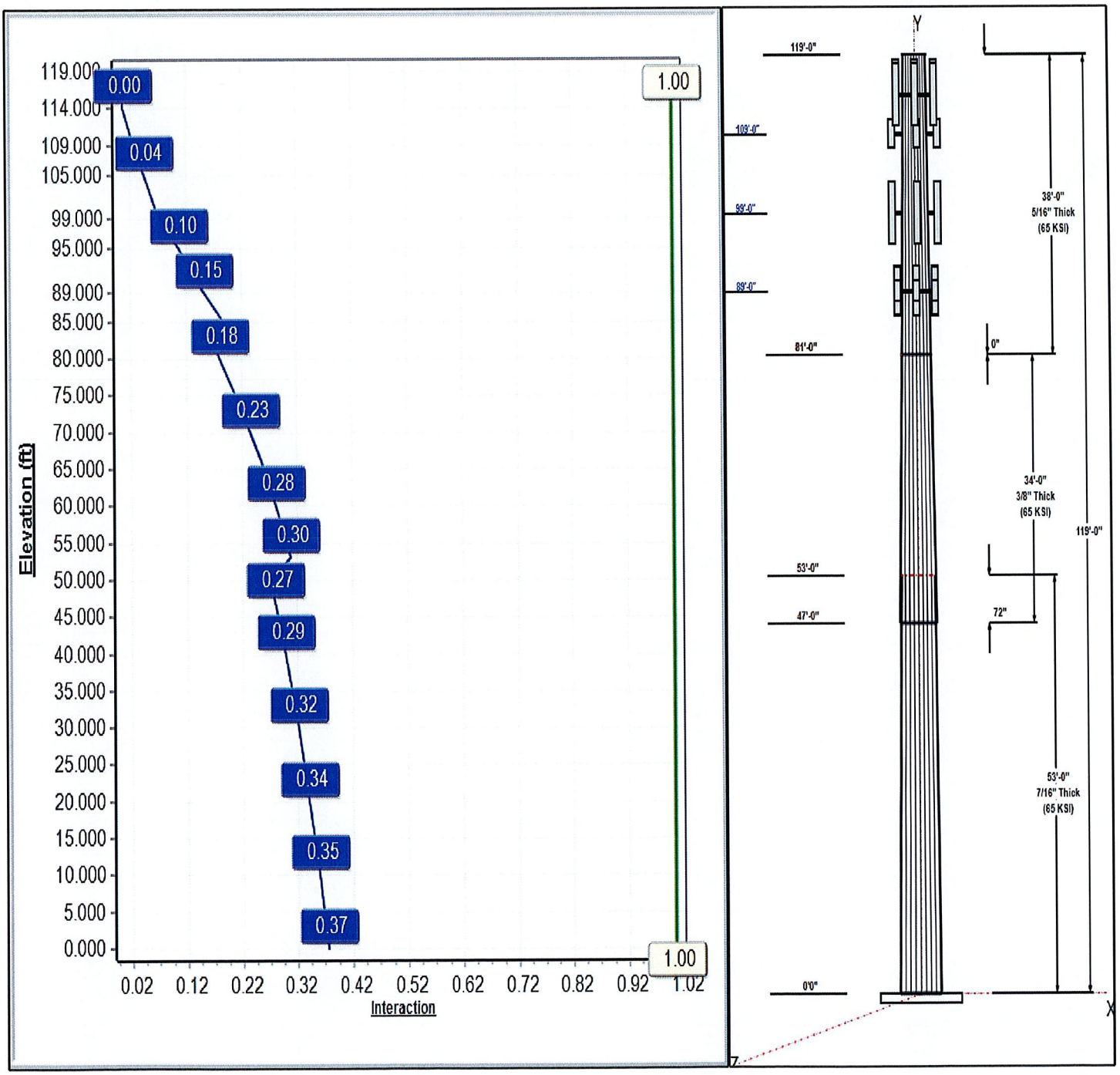
Usage Diagram - Max Ratio 36.98% at 0.0ft

Structure:	CT13555-S	**Code:**	EIA/TIA-222-H	3/31/2023
Site Name:	Montano	**Exposure:**	B	
Height:	119.00 (ft)	**Gh:**	1.1	
Base Elev:	1.000 (ft)			Page: 1

Dead Load Factor:	1.20	**Iterations:**	19
Wind Load Factor:	1.00		

Load Case : 1.2D + 1.0W 120 mph Wind

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Appendix

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

Conclusions

Based on the analysis results, the existing tower and foundation were found to be ***sufficient*** to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.

Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate	Flange Plate
Max. Usage:	37.0%	35.0%	28.0%	20.4%
Pass/Fail	Pass	Pass	Pass	Pass

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	35.0%	Pass

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 222708, v3 from AT&T and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
10	100.0	6	CCI OPA65R-BU8DA - Panel	(3) Sector Frames [SitePro1 VFA14-H10-2120] + (2) Ring Collar Mount [SitePro1 LWRM]	(8) 3/4" DC Power (2) 1/2" Fiber (3) 3/8" RET	AT&T
11		3	Ericcson 4478 B14			
12		3	Ericcson 4449 B5/B12			
13		3	Ericsson 8843 B2/B66A			
14		6	CCI HPA-65R-BUU-H8 - Panel			
15		4	Raycap DC6-48-60-18-8F			

Note: AT&T loading includes FirstNET equipment

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	117.0	3	Ericsson AIR6449 B41 - Panel	Low Profile Platform	(8) 1-5/8" (3) 1-5/8" Fiber (1) 1.9" Fiber	T-Mobile
2		3	Ericsson Air32 KRD901146-1_B66A_B2A - Panel			
3		3	Ericsson KRY 112 144/1			
4	115.0	3	RFS APXVAARR24_43-U-NA20 - Panel			
5		3	Ericsson 4449 B71 + B85			
6		3	Ericsson 4460 B25 + B66			
7	110.0	3	Tower BTS	(3) Dual Sector Mounts	(2) 1/2" (3) 1/4" Fiber (3) 5/16" 5/8" DC Power	T-Mobile Sprint
8		3	Argus LLPX310R - Panel			
9		2	Andrew VHLP2-18 - Dish			
-	100.0	12	CCI HPA-65R-BUU-H8 - Panel	Low Profile Platform w/ Handrails [Commscope MTC3067R AD]	(8) 3/4" DC Power (2) 1/2" Fiber (3) 3/8" RET	AT&T
-		9	Ericcson RRUS-11 B12			
-		6	Ericcson RRUS-12 B2 + RRUS-A2 B25			
-		3	Ericsson RRUS32			
-		3	Ericsson RRUS E2			
-		6	Ericsson RRU A2			
-		4	Raycap DC6-48-60-18-8F			
-		3	Alcatel-Lucent IBC700-1			
16	90.0	3	Andrew LNX-6514DS-A1M - Panel	Low Profile Platform + Support Rail Kit [VZW SMART] + Stand-Off Assembly [SitePro1 115-352]	(2) 1-5/8" Hybrid	Verizon
17		3	Samsung B2-B66A RRH-BR049 (RFV01U-D1A)			
18		3	Samsung B5-B13 RRH-BR04C (RFV01U-D2A)			
19		1	RFS DB-T1-6Z-8AB-0Z			
20		3	Samsung 64T64R - Panel			
21		6	Commscope NHH-65B-R2B - Panel			
22		1	RFS DB-C1-12C-24AB-0Z			

Note: AT&T loading includes FirstNET equipment

Introduction

The purpose of this report is to summarize the analysis results on the 120 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	Sabre, Job # 09-11137, dated 11/19/2008
Foundation drawings	Sabre, Job # 09-11137, dated 11/19/2008
Geotechnical report	TEP, Project # 082695.01, dated 10/27/2008
Mount Analysis	TEP, Project # 315636.733994, dated 8/19/2022
Latest SA	TES, Project # 127113, dated 4/6/2022

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/Hartford/Glastonbury
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 Connecticut State Building Code
Ultimate Wind Speed (3-Sec gust)	120.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.50"
Risk Category	II
Exposure Category	B
Topographic Category	1
Crest Height	0 ft
Ground Elevation	260.28 ft.
Seismic Parameter S_s	0.200
Seismic Parameter S_1	0.055

This structural analysis is based upon the tower being classified as a risk category II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

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SBA Communications Corporation
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Boca Raton, FL 33487-1307

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sbasite.com

Structural Analysis Report

Client: AT&T

Client Site ID / Name: CTL01809 / GLASTONBURY MONTANO RD
Application #: 222708, v3

SBA Site ID / Name: CT13555-S / Montano

120 ft Monopole

58A Montano Road
Glastonbury, Connecticut 06033
Lat: 41.699444, Long: -72.564000

Project number: CT13555-ATT-032923

Analysis Results

Tower	37.0%	Pass
Foundation	35.0%	Pass

Change in tower stress due to mount modification / replacement	0%

Prepared by:

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March 31, 2023



Section 1 - RFDS GENERAL INFORMATION

RFDS NAME:	CTL01809	DATE:	04/11/2022	RF DESIGN ENG:	Harpreet Singh
ISSUE:	Bronze Standard	Approved? (Y/N):	Yes	RF DESIGN PHONE:	202 999 2776
REVISION:	Final	RF MANAGER:	John Benedetto	RF DESIGN EMAIL:	hs357s@att.com
INITIATIVE /PROJECT:	LTE 3C AWS, LTE 4C 700 UPPER D, LTE 850 5G NR, 700C RETROFIT & LTE PCS 5G NR Software Upgrade				

RF PERF ENG:		RFDS PROGRAM TYPE:	2022 LTE Next Carrier		
RF PERF PHONE:		RFDS TECHNOLOGY:	LTE		
RF PERF EMAIL:		STATE/STATUS:	Final/Approved		
ADDITIONAL WORKFLOW NOTIFICATIONS:		RFDS ID:	5122980		
RFDS VERSION:	4.00	Created By:	hs357s	Updated By:	mh705r
UMTS FREQUENCY:		Date Created:	4/11/2022 2:06:44 PM	Date Updated:	4/14/2023 4:27:54 PM
LTE FREQUENCY:	700, 850, 1900	Estimated SQIN:	24.609	Expiration :	
5G FREQUENCY:		RER initiative:		Calculation ID:	20230414161520717 8
I-PLAN JOB # 1:	ER_-RCTB-22-00415	IPLAN PRD GRP || SUB GRP #1:	Antenna Modifications || 4TX4RX Software Retrofit		
I-PLAN JOB # 2:	ER_-RCTB-22-00273	IPLAN PRD GRP || SUB GRP #2:	LTE Next Carrier || LTE 4C		
I-PLAN JOB # 3:	ER_-RCTB-22-00239	IPLAN PRD GRP || SUB GRP #3:	LTE Next Carrier || LTE 3C		
I-PLAN JOB # 4:	ER_-RCTB-22-00457	IPLAN PRD GRP || SUB GRP #4:	Cell Site RF Modifications || 5G NR Software Upgrade		
I-PLAN JOB # 5:	ER_-RCTB-22-00362	IPLAN PRD GRP || SUB GRP #5:	5G NR Radio || 5G NR 1DR-1		
I-PLAN JOB # 6:		IPLAN PRD GRP || SUB GRP #6:			
I-PLAN JOB # 7:		IPLAN PRD GRP || SUB GRP #7:			
I-PLAN JOB # 8:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 9:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 10:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 11:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 12:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 13:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 14:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 15:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 16:		IPLAN PRD GRP || SUB GRP #8:			

Section 2 - LOCATION INFORMATION

USID:	155250	FA LOCATION CODE:	10577834	LOCATION NAME:	GLASTONBURY MONTANO RD
REGION:	NORTHEAST	MARKET CLUSTER:	NEW ENGLAND	MARKET:	CONNECTICUT
ADDRESS:	58A MONTANO ROAD	CITY:	GLASTONBURY	STATE:	CT
ZIP CODE:	06033	COUNTY:	HARTFORD	LONG (DEC. DEG.):	-72.5640000
LATITUDE (D-M-S):	41d 41m 57.9984s	LONGITUDE (D-M-S):	-72d -33m -50.4s	LAT (DEC. DEG.):	41.6994440
DIRECTIONS, ACCESS AND EQUIPMENT LOCATION:	FROM ROCKY HILL, CT: TAKE I-91N 4.1 MI. TAKE EXIT 25-26 FOR CT-3 N TOWARD GLASTONBURY/OLD WETHERSFIELD. TAKE EXIT 25 ON THE LEFT TO MERGE ONTO CT 3 N TOWARD GLASTONBURY. KEEP RIGHT AT THE FORK. FOLLOW SIGNS FOR CT 2 E/NORWICH AND MERGE ONTO CT 2 E. TAKE EXIT 7 ON THE LEFT FOR CT 17 S TOWARD PORTLAND. KEEP LEFT AT THE FORK. FOLLOW SIGNS FOR NEW LONDON TPKE/EAST GLASTONBURY. TURN RIGHT ONTO NEW LONDON TPKE. URN LEFT ONTO HALE ROAD. TURN LEFT ONTO MONTANO RD AND THE DISTINATIO WILL BE ON THE RIGHT. STEVE ROTH (SITE ACCESS CONTACT) 860-539-4920. GATE COMBO: 4722—SHELTER DOOR COMBO IS; 3534 OR MASTER CODE				

ORACLE PTN # 1:	2051A147FM	PACE JOB # 1:	MRCTB062281		
ORACLE PTN # 2:	2051A146GB	PACE JOB # 2:	MRCTB062207		
ORACLE PTN # 3:	2051A1466F	PACE JOB # 3:	MRCTB062184		
ORACLE PTN # 4:	2051A146KA	PACE JOB # 4:	MRCTB062267		
ORACLE PTN # 5:	2051A146E0	PACE JOB # 5:	MRCTB062282		
ORACLE PTN # 6:		PACE JOB # 6:			
ORACLE PTN # 7:		PACE JOB # 7:			
ORACLE PTN # 8:		PACE JOB # 8:			
ORACLE PTN # 9:		PACE JOB # 9:			
ORACLE PTN # 10:		PACE JOB # 10:			
ORACLE PTN # 11:		PACE JOB # 11:			
ORACLE PTN # 12:		PACE JOB # 12:			
ORACLE PTN # 13:		PACE JOB # 13:			
ORACLE PTN # 14:		PACE JOB # 14:			
ORACLE PTN # 15:		PACE JOB # 15:			
ORACLE PTN # 16:		PACE JOB # 16:			
BORDER CELL WITH CONTOUR COORD:		SEARCH RING NAME:			
AM STUDY REQ'D (Y/N):	No	SEARCH_RING_ID:			
FREQ COORD:		BTA:		MSA / RSA:	
		LAC(UMTS):	05996		
RF DISTRICT:	TBD				
RF ZONE:	TBD	RNC(UMTS):	MDTWCTNIRNC002		
		MME POOL ID(LTE):	FF01		
PARENT NAME(UMTS):	MIDDLETOWN RNC02				

Section 3 - LICENSE COVERAGE/FILING INFORMATION

CGSA - NO FILING TRIGGERED (Yes/No):	No	CGSA LOSS:		PCS REDUCED - UPS ZIP:	
CGSA - MINOR FILING NEEDED (Yes/No)::	No	CGSA EXT AGMT NEEDED:		PCS POPS REDUCED:	
CGSA - MAJOR FILING NEEDED (Yes/No):	Yes	CGSA SCORECARD UPDATED:			
CGSA CALL SIGNS:	z_KNLB312,z_KNLB312,z_KNLB312				

Section 4 - TOWER/REGULATORY INFORMATION

STRUCTURE AT&T OWNED?:	Yes	GROUND ELEVATION (ft):		STRUCTURE TYPE:	MONOPOLE
ADDITIONAL REGULATORY?:	Yes	HEIGHT OVERALL (ft):	100.00	FCC ASR NUMBER:	
SUB-LEASE RIGHTS?:	Yes	STRUCTURE HEIGHT (ft):	100.00		
LIGHTING TYPE:	NOT REQUIRED				

MARKET LOCATION 700 MHz Band:			
MARKET LOCATION 850 MHz Band:			
MARKET LOCATION 1900 MHz Band:			
MARKET LOCATION AWS Band:			
MARKET LOCATION WCS Band:			
MARKET LOCATION Future Band:			

Section 5 - E-911 INFORMATION - existing

		PSAP NAME:	PSAP ID:	E911 PHASE:	MPC SVC PROVIDER:	LMU REQUIRED:	ESRN:	DATE LIVE PH1:	DATE LIVE PH2:		
SECTOR A	E-911				INTRADO		0				
SECTOR B					INTRADO		0				
SECTOR C					INTRADO		0				
SECTOR D											
SECTOR E											
SECTOR F											
OMNI											

Section 5 - E-911 INFORMATION - final

		PSAP NAME:	PSAP ID:	E911 PHASE:	MPC SVC PROVIDER:	LMU REQUIRED:	ESRN:	DATE LIVE PH1:	DATE LIVE PH2:		
SECTOR A	E-911				INTRADO		0				
SECTOR B					INTRADO		0				
SECTOR C					INTRADO		0				
SECTOR D											
SECTOR E											
SECTOR F											
OMNI											

SECTION 6/7 - BBU INFORMATION - existing

	BBU 1	BBU 2							
BBU RBS ID:	464663	472065							
TECHNOLOGY:	UMTS	LTE							
BBU NAME:	CTU1809	CTL01809							
BBU USID:	155250	155250							
CELL ID / BCF:	CTU1809	CTL01809							
BTA/TID:	184W	184L							
4-9 DIGIT SITE ID:	1809	1809							
COW OR TOY?:	No	No							
CELL SITE TYPE:	SECTORIZED	SECTORIZED							
SITE TYPE:	MACRO-CONVENTIONAL	MACRO-CONVENTIONAL							
BTS LOCATION ID:	INTERNAL	INTERNAL							
BASE STATION TYPE:	BASE	OVERLAY							
EQUIPMENT NAME:	GLASTONBURY MONTANO RD	GLASTONBURY MONTANO RD LTE							
DISASTER PRIORITY:	0	0							
EQUIPMENT VENDOR:	ERICSSON	ERICSSON							
EQUIPMENT TYPE (Model):	6601 MAIN UNIT UMTS	6601 INDOOR MU							
BASEBAND CONFIGURATION:									
MARKET STATE CODE:		CT							
NODE B NUMBER:	0	1809							
SIDEHAUL SWITCH VENDOR:									
SIDEHAUL SWITCH MODEL:									
SIDEHAUL SWITCH NAME:									
SIDEHAUL SWITCH ADDITIONAL CARDS:									
UL-CoMP:									
CSS - CTS COMMON ID:	CTU1809	CTL01809							
CSS - SECONDARY FUNCTION ID:									

SECTION 6/7 - BBU INFORMATION - final

	BBU 1	BBU 2							
BBU RBS ID:	472065	RFDS_78303715							
TECHNOLOGY:	LTE	LTE,5G							
BBU NAME:	CTL01809	CTL00809R,CTCN001809							
BBU USID:	155250	155250							
CELL ID / BCF:	CTL01809	CTCN001809							
BTA/TID:	184L	184L							
4-9 DIGIT SITE ID:	1809	14001809							
COW OR TOY?:	No	No							
CELL SITE TYPE:	SECTORIZED	SECTORIZED							
SITE TYPE:	MACRO-CONVENTIONAL	MACRO-CONVENTIONAL							
BTS LOCATION ID:	INTERNAL	INTERNAL							
BASE STATION TYPE:	OVERLAY	OVERLAY							
EQUIPMENT NAME:	GLASTONBURY MONTANO RD LTE	CTCN001809							
DISASTER PRIORITY:	0	0							
EQUIPMENT VENDOR:	ERICSSON	ERICSSON							
EQUIPMENT TYPE (Model):	BASEBAND 6630	RAN PROCESSOR 6651							
BASEBAND CONFIGURATION:	1x6601 / 1x6630 / 1xXMU	xxxxx / 1x6651 / xxxxx + IDLe							
MARKET STATE CODE:	CT	CT,CTC							
NODE B NUMBER:	1809	809,1809							
SIDEHAUL SWITCH VENDOR:									
SIDEHAUL SWITCH MODEL:									
SIDEHAUL SWITCH NAME:									
SIDEHAUL SWITCH ADDITIONAL CARDS:									
UL-CoMP:									
CSS - CTS COMMON ID:	CTL01809								
CSS - SECONDARY FUNCTION ID:									

Section 8 - RBS/SECTOR ASSOCIATION - existing

	BBU 1	BBU 2
CTS Common ID	CTU1809	CTL01809
Soft Sector IDs	CTU18097	CTL01809_7A_1
	CTU18098	CTL01809_7B_1
	CTU18099	CTL01809_7C_1
	CTV18091	CTL01809_9A_1
	CTV18092	CTL01809_9A_2
	CTV18093	CTL01809_9B_1
		CTL01809_9B_2
		CTL01809_9C_1
		CTL01809_9C_2

Section 8 - RBS/SECTOR ASSOCIATION - final

	BBU 1	BBU 2
CTS Common ID	CTL01809	CTL00809R,CTCN001809
Soft Sector IDs	CTL01809_7A_1	CTCN001809_N002A_1
	CTL01809_7A_3_F	CTCN001809_N002B_1
	CTL01809_7B_1	CTCN001809_N002C_1
	CTL01809_7B_3_F	CTCN001809_N005A_1
	CTL01809_7C_1	CTCN001809_N005B_1
	CTL01809_7C_3_F	CTCN001809_N005C_1
		CTCN001809_N066A_1
		CTCN001809_N066B_1
		CTCN001809_N066C_1
		CTL00809_2A_2
		CTL00809_2B_2
		CTL00809_2C_2
		CTL00809_9A_1
		CTL00809_9A_2
		CTL00809_9B_1
		CTL00809_9B_2
		CTL00809_9C_1
		CTL00809_9C_2

Section 9 - SOFT SECTOR ID - existing

		UMTS 1ST 850	UMTS 1ST 1900	LTE 1ST 700	LTE 1ST 1900	LTE 2ND 1900	LTE 4TH AWS	LTE 5TH 700	5G 1ST 850	5G 1ST 1900	5G 1ST AWS
SEID (excluding ard Sector)		155250.850.3G.1	155250.1900.3G.1								
ECTOR A	SOFT SECTOR ID	CTV18091	CTU18097	CTL01809_7A_1	CTL01809_9A_1	CTL01809_9A_2					
ECTOR B		CTV18092	CTU18098	CTL01809_7B_1	CTL01809_9B_1	CTL01809_9B_2					
ECTOR C		CTV18093	CTU18099	CTL01809_7C_1	CTL01809_9C_1	CTL01809_9C_2					
ECTOR D											
ECTOR E											
ECTOR F											
MNI											

Section 9 - SOFT SECTOR ID - final

		UMTS 1ST 850	UMTS 1ST 1900	LTE 1ST 700	LTE 1ST 1900	LTE 2ND 1900	LTE 4TH AWS	LTE 5TH 700	5G 1ST 850	5G 1ST 1900	5G 1ST AWS
SEID (excluding ard Sector)											
ECTOR A	SOFT SECTOR ID			CTL01809_7A_1	CTL00809_9A_1	CTL00809_9A_2	CTL00809_2A_2	CTL01809_7A_3_F	CTCN001809_N005A_1	CTCN001809_N002A_1	CTCN001809_N066A_1
ECTOR B				CTL01809_7B_1	CTL00809_9B_1	CTL00809_9B_2	CTL00809_2B_2	CTL01809_7B_3_F	CTCN001809_N005B_1	CTCN001809_N002B_1	CTCN001809_N066B_1
ECTOR C				CTL01809_7C_1	CTL00809_9C_1	CTL00809_9C_2	CTL00809_2C_2	CTL01809_7C_3_F	CTCN001809_N005C_1	CTCN001809_N002C_1	CTCN001809_N066C_1
ECTOR D											
ECTOR E											
ECTOR F											
ANI											

Section 9 - Cell Number - existing

	UMTS 1ST 850	UMTS 1ST 1900	LTE 1ST 700	LTE 1ST 1900	LTE 2ND 1900	LTE 4TH AWS	LTE 5TH 700	5G 1ST 850	5G 1ST 1900	5G 1ST AWS
USEID (excluding Hard Sector)	155250.850.3G.1	155250.1900.3G.1								
SECTOR A CELL NUMBER			15	8	178					
SECTOR B			16	9	179					
SECTOR C			17	10	180					
SECTOR D										
SECTOR E										
SECTOR F										
OMNI										

Section 9 - Cell Number - final

	UMTS 1ST 850	UMTS 1ST 1900	LTE 1ST 700	LTE 1ST 1900	LTE 2ND 1900	LTE 4TH AWS	LTE 5TH 700	5G 1ST 850	5G 1ST 1900	5G 1ST AWS
USEID (excluding Hard Sector)										
SECTOR A CELL NUMBER			15	8	178	192	171			
SECTOR B			16	9	179	193	172			
SECTOR C			17	10	180	194	173			
SECTOR D										
SECTOR E										
SECTOR F										
OMNI										

Section 10 - CID/SAC - existing

		UMTS 1ST 850	UMTS 1ST 1900	LTE 1ST 700	LTE 1ST 1900	LTE 2ND 1900	LTE 4TH AWS	LTE 5TH 700	5G 1ST 850	5G 1ST 1900	5G 1ST AWS																
SECTOR A	CID/SAC	18091	18097																								
SECTOR B		18092	18098																								
SECTOR C		18093	18099																								
SECTOR D																											
SECTOR E																											
SECTOR F																											
OMNI																											

Section 10 - CID/SAC - final

		UMTS 1ST 850	UMTS 1ST 1900	LTE 1ST 700	LTE 1ST 1900	LTE 2ND 1900	LTE 4TH AWS	LTE 5TH 700	5G 1ST 850	5G 1ST 1900	5G 1ST AWS																
SECTOR A	CID/SAC																										
SECTOR B																											
SECTOR C																											
SECTOR D																											
SECTOR E																											
SECTOR F																											
OMNI																											

Section 15A - CURRENT TOWER CONFIGURATION - SECTOR A (OR OMNI)

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1		ANTENNA POSITION 2		ANTENNA POSITION 3		ANTENNA POSITION 4		ANTENNA POSITION 5		ANTENNA POSITION 6		ANTENNA POSITION 7	
ANTENNA MAKE - MODEL	HPA-65R-BUU-H8		HPA-65R-BUU-H8		HPA-65R-BUU-H8		HPA-65R-BUU-H8							
ANTENNA VENDOR	CCI Antennas		CCI Antennas		CCI Antennas		CCI Antennas							
ANTENNA SIZE (H x W x D)	92.4X14.8X7.4		92.4X14.8X7.4		92.4X14.8X7.4		92.4X14.8X7.4							
ANTENNA WEIGHT	68		68		68		68							
AZIMUTH	20		20		20		20							
MAGNETIC DECLINATION														
RADIATION CENTER (feet)	100.02		100.02		100.02		100.02							
ANTENNA TIP HEIGHT	104.02		104.02		104.02		104.02							
MECHANICAL DOWNTILT	0		0		0		0							
FEEDER AMOUNT														
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)														
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)														
Antenna RET Motor (QTY/MODEL)														
SURGE ARRESTOR (QTY/MODEL)														
DIPLEXER (QTY/MODEL)														
DUPLEXER (QTY/MODEL)														
Antenna RET CONTROL UNIT (QTY/MODEL)	1	Kathrein / 860-10006												
DC BLOCK (QTY/MODEL)														
TMA/LNA (QTY/MODEL)														
CURRENT INJECTORS FOR TMA (QTY/MODEL)														
PDU FOR TMAS (QTY/MODEL)														
FILTER (QTY/MODEL)														
SQUID (QTY/MODEL)	2	DC6-48-60-18-8F			2		2	DC-48-60-0-8F						
FIBER TRUNK (QTY/MODEL)														
DC TRUNK (QTY/MODEL)														
REPEATER (QTY/MODEL)														
RRH - 700 band (QTY/MODEL)					1	4478 B14	1	RRUS-11 B12						
RRH - 850 band (QTY/MODEL)														
RRH - 1900 band (QTY/MODEL)							1	RRUS-12 B2 + RRUS-A2 B25						
RRH - AWS band (QTY/MODEL)						RRH is shared with another band								
RRH - WCS band (QTY/MODEL)														
Additional RRH #1 - any band (QTY/MODEL)														
Additional RRH #2 - any band (QTY/MODEL)														
RRH 7B 1 (QTY/MODEL)														
RRH 7B 2 (QTY/MODEL)														
RRH 7B 3 (QTY/MODEL)														
Additional Component 1 (QTY/MODEL)														
Additional Component 2 (QTY/MODEL)														
Additional Component 3 (QTY/MODEL)														
Local Market Note 1														
Local Market Note 2														
Local Market Note 3														

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1		155250.A.850.3G.1	CTV18091	CTV18091		UMTS 850	HPA-65R-BUU-H8_849MHz_02DT	16.2	20	2	Top	FIBER	0						799.83		1	
ANTENNA POSITION 2	PORT 1					Future	LTE 700	HPA-65R-BUU-H8_719MHz_02DT	15.3	20	2	Top	FIBER							1044.7202			

ANTENNA POSITION 3	PORT 1					Future		HPA-65R-BUU-H8_849MHz_02DT	16.2	20	2	Top	FIBER							1000			
ANTENNA POSITION 4	PORT 1		155250.A.700.4G.1	CTL01809_7A_1	CTL01809_7A_1		LTE 700	HPA-65R-BUU-H8_719MHz_02DT	15.3	20	2	Top	FIBER							1044.7202			
	PORT 3		155250.A.1900.4G.1	CTL01809_9A_1	CTL01809_9A_1		LTE 1900	HPA-65R-BUU-H8_1948MHz_02DT	15.3	20	2	Top	FIBER							3380.6483			
	PORT 4		155250.A.1900.4G.2	CTL01809_9A_2	CTL01809_9A_2		LTE 1900	HPA-65R-BUU-H8_1948MHz_02DT	15.3	20	2	Top	FIBER							3380.6483			

Section 15B - CURRENT TOWER CONFIGURATION - SECTOR B

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
ANTENNA MAKE - MODEL	HPA-65R-BUU-H8	HPA-65R-BUU-H8	HPA-65R-BUU-H8	HPA-65R-BUU-H8			
ANTENNA VENDOR	CCI Antennas	CCI Antennas	CCI Antennas	CCI Antennas			
ANTENNA SIZE (H x W x D)	92.4X14.8X7.4	92.4X14.8X7.4	92.4X14.8X7.4	92.4X14.8X7.4			
ANTENNA WEIGHT	68	68	68	68			
AZIMUTH	140	140	140	140			
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	100.02	100.02	100.02	100.02			
ANTENNA TIP HEIGHT	104.02	104.02	104.02	104.02			
MECHANICAL DOWNTILT	0	0	0	0			
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4478 B14	1 RRUS-11 B12			
RRH - 850 band (QTY/MODEL)							
RRH - 1900 band (QTY/MODEL)				1 RRUS-12 B2 + RRUS-A2 B25			
RRH - AWS band (QTY/MODEL)			RRH is shared with another band				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1							
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/ Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1		155250.B.850.3G.1	CTV18092	CTV18092		UMTS 850	HPA-65R-BUU-H8_849MHz_02DT	16.2	140	2	Top	FIBER							799.83			
ANTENNA POSITION 2	PORT 1					Future	LTE 700	HPA-65R-BUU-H8_719MHz_02DT	15.3	140	2	Top	FIBER							1044.7202			

ANTENNA POSITION 3	**PORT 1**					Future		HPA-65R-BUU-H8_849MHz_02DT	16.2	140	2	Top	FIBER							1000			
ANTENNA POSITION 4	**PORT 1**		155250.B.700.4G.1	CTL01809_7B_1	CTL01809_7B_1		LTE 700	HPA-65R-BUU-H8_719MHz_02DT	15.3	140	2	Top	FIBER							1044.7202			
	PORT 3		155250.B.1900.4G.1	CTL01809_9B_1	CTL01809_9B_1		LTE 1900	HPA-65R-BUU-H8_1948MHz_02DT	15.3	140	2	Top	FIBER							3380.6483			
	PORT 4		155250.B.1900.4G.2	CTL01809_9B_2	CTL01809_9B_2		LTE 1900	HPA-65R-BUU-H8_1948MHz_02DT	15.3	140	2	Top	FIBER							3380.6483			

Section 15C - CURRENT TOWER CONFIGURATION - SECTOR C

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
ANTENNA MAKE - MODEL	HPA-65R-BUU-H8	HPA-65R-BUU-H8	HPA-65R-BUU-H8	HPA-65R-BUU-H8			
ANTENNA VENDOR	CCI Antennas	CCI Antennas	CCI Antennas	CCI Antennas			
ANTENNA SIZE (H x W x D)	92.4X14.8X7.4	92.4X14.8X7.4	92.4X14.8X7.4	92.4X14.8X7.4			
ANTENNA WEIGHT	68	68	68	68			
AZIMUTH	260	260	260	260			
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	100.02	100.02	100.02	100.02			
ANTENNA TIP HEIGHT	104.02	104.02	104.02	104.02			
MECHANICAL DOWNTILT	0	0	0	0			
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4478 B14	1 RRUS-11 B12			
RRH - 850 band (QTY/MODEL)							
RRH - 1900 band (QTY/MODEL)				1 RRUS-12 B2 + RRUS-A2 B25			
RRH - AWS band (QTY/MODEL)			RRH is shared with another band				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1							
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/ Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1		155250.C.850.3G.1	CTV18093	CTV18093		UMTS 850	HPA-65R-BUU-H8_849MHz_02DT	16.2	260	2	Top	FIBER							799.83			
ANTENNA POSITION 2	PORT 1					Future	LTE 700	HPA-65R-BUU-H8_719MHz_02DT	15.3	260	2	Top	FIBER							1044.7202			

NTENNA POSITION 3	PORT 1					Future		HPA-65R-BUU-H8_849MHz_02DT	16.2	260	2	Top	FIBER							1000			
NTENNA POSITION 4	PORT 1		155250.C.700.4G.1	CTL01809_7C_1	CTL01809_7C_1		LTE 700	HPA-65R-BUU-H8_719MHz_02DT	15.3	260	2	Top	FIBER							1044.7202			
	PORT 3		155250.C.1900.4G.1	CTL01809_9C_1	CTL01809_9C_1		LTE 1900	HPA-65R-BUU-H8_1948MHz_02DT	15.3	260	2	Top	FIBER							3380.6483			
	PORT 4		155250.C.1900.4G.2	CTL01809_9C_2	CTL01809_9C_2		LTE 1900	HPA-65R-BUU-H8_1948MHz_02DT	15.3	260	2	Top	FIBER							3380.6483			

Section 16A - PLANNED/PROPOSED TOWER CONFIGURATION - SECTOR A (OR OMNI)

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
Existing Antenna?							
ANTENNA MAKE - MODEL			OPA65R-BU8DA	OPA65R-BU8DA			
ANTENNA VENDOR			CCI	CCI			
ANTENNA SIZE (H x W x D)			96X21X7.8	96X21X7.8			
ANTENNA WEIGHT			76.5	76.5			
AZIMUTH			20	20			
MAGNETIC DECLINATION							
RADIATION CENTER (feet)			100.02	100.02			
ANTENNA TIP HEIGHT			104.02	104.02			
MECHANICAL DOWNTILT			0	0			
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4478 B14	1 4449 B5/B12			
RRH - 850 band (QTY/MODEL)				RRH is shared with another band			
RRH - 1900 band (QTY/MODEL)				1 8843 B2/B66A			
RRH - AWS band (QTY/MODEL)			RRH is shared with another band				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)				2 Y-CABLE			
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1	Arrange antenna and radio postions as per PD. Swap and add antennas. Swap and add LTE radios. Add 6651+Xcede Cable. Add Y-Cable for dual band radios.Decomm UMTS.						
Local Market Note 2							
Local Market Note 3	6630 + XMU /6651+Xcede Cable.						

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 3	PORT 1			CTL01809_7A_3_F	CTL01809_7A_3_F		LTE 700	OPA65R-BU8D_770MHz_02DT	15	20	2	Top	FIBER	0						2951.413		5	
	PORT 3			CTL00809_2A_2	CTL00809_2A_2		LTE AWS	OPA65R-BU8D_2130MHz_02D	17.7	20	2	Top	FIBER	0						3837.0724		6	

								T														
	PORT 4			CTCN001809_N066A_1	CTCN001809_N066A_1		5G AWS	OPA65R-BU8D_2130MHz_02DT	17.7	20	2	Top	FIBER	0						3837.0724		6	
ANTENNA POSITION 4	PORT 1			CTL01809_7A_1	CTL01809_7A_1		LTE 700	OPA65R-BU8D_725MHz_02DT	14.7	20	2	Top	FIBER	0						1475.7065		7	
	PORT 2			CTCN001809_N005A_1	CTCN001809_N005A_1		5G 850	OPA65R-BU8D_850MHz_02DT	15.5	20	2	Top	FIBER	0						1000		7	
	PORT 3			CTL00809_9A_1	CTL00809_9A_1		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	20	4	Top	FIBER	0						3664.3757		8	
	PORT 4			CTL00809_9A_2	CTL00809_9A_2		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	20	4	Top	FIBER	0						3664.3757		8	
	PORT 7			CTCN001809_N002A_1	CTCN001809_N002A_1		5G 1900	OPA65R-BU8D_1930MHz_04DT	17.2	20	4	Top	FIBER	0						3664.3757		8	

Section 16B - PLANNED/PROPOSED TOWER CONFIGURATION - SECTOR B

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
Existing Antenna?							
ANTENNA MAKE - MODEL			OPA65R-BU8DA	OPA65R-BU8DA			
ANTENNA VENDOR			CCI	CCI			
ANTENNA SIZE (H x W x D)			96X21X7.8	96X21X7.8			
ANTENNA WEIGHT			76.5	76.5			
AZIMUTH			140	140			
MAGNETIC DECLINATION							
RADIATION CENTER (feet)			100.02	100.02			
ANTENNA TIP HEIGHT			104.02	104.02			
MECHANICAL DOWNTILT			0	0			
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4478 B14	1 4449 B5/B12			
RRH - 850 band (QTY/MODEL)				RRH is shared with another band			
RRH - 1900 band (QTY/MODEL)				1 8843 B2/B66A			
RRH - AWS band (QTY/MODEL)			RRH is shared with another band				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)				2 Y-CABLE			
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1	Arrange antenna and radio postions as per PD. Swap and add antennas. Swap and add LTE radios. Add 6651+Xcede Cable. Add Y-Cable for dual band radios.Decomm UMTS.						
Local Market Note 2							
Local Market Note 3	6630 + XMU /6651+Xcede Cable.						

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (AtoII)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/ Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 3	PORT 1			CTL01809_7B_3_F	CTL01809_7B_3_F		LTE 700	OPA65R-BU8D_770MHz_02DT	15	140	2	Top	FIBER	0						2951.413		13	
	PORT 3			CTL00809_2B_2	CTL00809_2B_2		LTE AWS	OPA65R-BU8D_2130MHz_02D	17.7	140	2	Top	FIBER	0						3837.0724		14	

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	PORT 4			CTCN001809_N066B_1	CTCN001809_N066B_1		5G AWS	OPA65R-BU8D_2130MHz_02DT	17.7	140	2	Top	FIBER	0						3837.0724		14	
ANTENNA POSITION 4	PORT 1			CTL01809_7B_1	CTL01809_7B_1		LTE 700	OPA65R-BU8D_725MHz_02DT	14.7	140	2	Top	FIBER	0						1475.7065		15	
	PORT 2			CTCN001809_N005B_1	CTCN001809_N005B_1		5G 850	OPA65R-BU8D_850MHz_02DT	15.5	140	2	Top	FIBER	0						1000		15	
	PORT 3			CTL00809_9B_1	CTL00809_9B_1		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	140	4	Top	FIBER	0						3664.3757		16	
	PORT 4			CTL00809_9B_2	CTL00809_9B_2		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	140	4	Top	FIBER	0						3664.3757		16	
	PORT 7			CTCN001809_N002B_1	CTCN001809_N002B_1		5G 1900	OPA65R-BU8D_1930MHz_04DT	17.2	140	4	Top	FIBER	0						3664.3757		16	

Section 16C - PLANNED/PROPOSED TOWER CONFIGURATION - SECTOR C

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
Existing Antenna?							
ANTENNA MAKE - MODEL			OPA65R-BU8DA	OPA65R-BU8DA			
ANTENNA VENDOR			CCI	CCI			
ANTENNA SIZE (H x W x D)			96X21X7.8	96X21X7.8			
ANTENNA WEIGHT			76.5	76.5			
AZIMUTH			260	260			
MAGNETIC DECLINATION							
RADIATION CENTER (feet)			100.02	100.02			
ANTENNA TIP HEIGHT			104.02	104.02			
MECHANICAL DOWNTILT			0	0			
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4478 B14	1 4449 B5/B12			
RRH - 850 band (QTY/MODEL)				RRH is shared with another band			
RRH - 1900 band (QTY/MODEL)				1 8843 B2/B66A			
RRH - AWS band (QTY/MODEL)			RRH is shared with another band				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)				2 Y-CABLE			
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1	Arrange antenna and radio postions as per PD. Swap and add antennas. Swap and add LTE radios. Add 6651+Xcode Cable. Add Y-Cable for dual band radios.Decomm UMTS.						
Local Market Note 2							
Local Market Note 3	6630 + XMU /6651+Xcode Cable.						

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 3	PORT 1			CTL01809_7C_3_F	CTL01809_7C_3_F		LTE 700	OPA65R-BU8D_770MHz_02DT	15	260	2	Top	FIBER	0						2951.413		21	
	PORT 3			CTL00809_2C_2	CTL00809_2C_2		LTE AWS	OPA65R-BU8D_2130MHz_02D	17.7	260	2	Top	FIBER	0						3837.0724		22	

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	PORT 4			CTCN001809_N066C_1	CTCN001809_N066C_1		5G AWS	OPA65R-BU8D_2130MHz_02DT	17.7	260	2	Top	FIBER	0						3837.0724		22	
ANTENNA POSITION 4	PORT 1			CTL01809_7C_1	CTL01809_7C_1		LTE 700	OPA65R-BU8D_725MHz_02DT	14.7	260	2	Top	FIBER	0						1475.7065		23	
	PORT 2			CTCN001809_N005C_1	CTCN001809_N005C_1		5G 850	OPA65R-BU8D_850MHz_02DT	15.5	260	2	Top	FIBER	0						1000		23	
	PORT 3			CTL00809_9C_1	CTL00809_9C_1		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	260	4	Top	FIBER	0						3664.3757		24	
	PORT 4			CTL00809_9C_2	CTL00809_9C_2		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	260	4	Top	FIBER	0						3664.3757		24	
	PORT 7			CTCN001809_N002C_1	CTCN001809_N002C_1		5G 1900	OPA65R-BU8D_1930MHz_04DT	17.2	260	4	Top	FIBER	0						3664.3757		24	

Section 17A - FINAL TOWER CONFIGURATION - SECTOR A (OR OMNI)

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1		ANTENNA POSITION 2		ANTENNA POSITION 3		ANTENNA POSITION 4		ANTENNA POSITION 5		ANTENNA POSITION 6		ANTENNA POSITION 7	
ANTENNA MAKE - MODEL	HPA-65R-BUU-H8		HPA-65R-BUU-H8		OPA65R-BU8DA		OPA65R-BU8DA							
ANTENNA VENDOR	CCI Antennas		CCI Antennas		CCI		CCI							
ANTENNA SIZE (H x W x D)	92.4X14.8X7.4		92.4X14.8X7.4		96X21X7.8		96X21X7.8							
ANTENNA WEIGHT	68		68		76.5		76.5							
AZIMUTH	20		20		20		20							
MAGNETIC DECLINATION														
RADIATION CENTER (feet)	100.02		100.02		100.02		100.02							
ANTENNA TIP HEIGHT	104.02		104.02		104.02		104.02							
MECHANICAL DOWNTILT	0		0		0		0							
FEEDER AMOUNT														
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)														
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)														
Antenna RET Motor (QTY/MODEL)														
SURGE ARRESTOR (QTY/MODEL)														
DIPLEXER (QTY/MODEL)														
DUPLEXER (QTY/MODEL)														
Antenna RET CONTROL UNIT (QTY/MODEL)														
DC BLOCK (QTY/MODEL)														
TMA/LNA (QTY/MODEL)														
CURRENT INJECTORS FOR TMA (QTY/MODEL)														
PDU FOR TMAS (QTY/MODEL)														
FILTER (QTY/MODEL)														
SQUID (QTY/MODEL)	2	DC6-48-60-08F			2	DC-48-60-0-8F	2	DC6-48-60-18-8F						
FIBER TRUNK (QTY/MODEL)														
DC TRUNK (QTY/MODEL)														
REPEATER (QTY/MODEL)														
RRH - 700 band (QTY/MODEL)					1	4478 B14	1	4449 B5/B12						
RRH - 850 band (QTY/MODEL)								RRH is shared with another band						
RRH - 1900 band (QTY/MODEL)							1	8843 B2/B66A						
RRH - AWS band (QTY/MODEL)						RRH is shared with another band								
RRH - WCS band (QTY/MODEL)														
Additional RRH #1 - any band (QTY/MODEL)														
Additional RRH #2 - any band (QTY/MODEL)														
RRH 7B 1 (QTY/MODEL)														
RRH 7B 2 (QTY/MODEL)														
RRH 7B 3 (QTY/MODEL)														
Additional Component 1 (QTY/MODEL)							2	Y-CABLE						
Additional Component 2 (QTY/MODEL)														
Additional Component 3 (QTY/MODEL)														
Local Market Note 1	Arrange antenna and radio postions as per PD. Swap and add antennas. Swap and add LTE radios. Add 6651+Xcede Cable. Add Y-Cable for dual band radios.Decomm UMTS.													
Local Market Note 2														
Local Market Note 3	6630 + XMU /6651+Xcede Cable.													

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/ Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1					SPARE				20	0												
ANTENNA POSITION 2	PORT 1					SPARE				20	0												

ANTENNA POSITION 3	PORT 1	155250.A.700.4G.tmp5		CTL01809_7A_3_F	CTL01809_7A_3_F		LTE 700	OPA65R-BU8D_770MHz_02DT	15	20	2	Top	FIBER	0						2951.413		5	
	PORT 3	155250.A.AWS.4G.tmp4		CTL00809_2A_2	CTL00809_2A_2		LTE AWS	OPA65R-BU8D_2130MHz_02DT	17.7	20	2	Top	FIBER	0						3837.0724		6	
	PORT 4	155250.A.AWS.5G.tmp1		CTCN001809_N066A_1	CTCN001809_N066A_1		5G AWS	OPA65R-BU8D_2130MHz_02DT	17.7	20	2	Top	FIBER	0						3837.0724		6	
ANTENNA POSITION 4	PORT 1	155250.A.700.4G.1		CTL01809_7A_1	CTL01809_7A_1		LTE 700	OPA65R-BU8D_725MHz_02DT	14.7	20	2	Top	FIBER	0						1475.7065		7	
	PORT 2	155250.A.850.5G.tmp1		CTCN001809_N005A_1	CTCN001809_N005A_1		5G 850	OPA65R-BU8D_850MHz_02DT	15.5	20	2	Top	FIBER	0						1000		7	
	PORT 3	155250.A.1900.4G.tmp1		CTL00809_9A_1	CTL00809_9A_1		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	20	4	Top	FIBER	0						3664.3757		8	
	PORT 4	155250.A.1900.4G.tmp2		CTL00809_9A_2	CTL00809_9A_2		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	20	4	Top	FIBER	0						3664.3757		8	
	PORT 7	155250.A.1900.5G.tmp1		CTCN001809_N002A_1	CTCN001809_N002A_1		5G 1900	OPA65R-BU8D_1930MHz_04DT	17.2	20	4	Top	FIBER	0						3664.3757		8	

Section 17B - FINAL TOWER CONFIGURATION - SECTOR B

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
ANTENNA MAKE - MODEL	HPA-65R-BUU-H8	HPA-65R-BUU-H8	OPA65R-BU8DA	OPA65R-BU8DA			
ANTENNA VENDOR	CCI Antennas	CCI Antennas	CCI	CCI			
ANTENNA SIZE (H x W x D)	92.4X14.8X7.4	92.4X14.8X7.4	96X21X7.8	96X21X7.8			
ANTENNA WEIGHT	68	68	76.5	76.5			
AZIMUTH	140	140	140	140			
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	100.02	100.02	100.02	100.02			
ANTENNA TIP HEIGHT	104.02	104.02	104.02	104.02			
MECHANICAL DOWNTILT	0	0	0	0			
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4478 B14	1 4449 B5/B12			
RRH - 850 band (QTY/MODEL)				RRH is shared with another band			
RRH - 1900 band (QTY/MODEL)				1 8843 B2/B66A			
RRH - AWS band (QTY/MODEL)			RRH is shared with another band				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)				2 Y-CABLE			
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1	Arrange antenna and radio postions as per PD. Swap and add antennas. Swap and add LTE radios. Add 6651+Xcede Cable. Add Y-Cable for dual band radios.Decomm UMTS.						
Local Market Note 2							
Local Market Note 3	6630 + XMU /6651+Xcede Cable.						

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/ Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1					SPARE				140	0												
ANTENNA POSITION 2	PORT 1					SPARE				140	0												

NTENNA POSITION 3	PORT 1	155250.B.700.4G.tmp5		CTL01809_7B_3_F	CTL01809_7B_3_F		LTE 700	OPA65R-BU8D_770MHz_02DT	15	140	2	Top	FIBER	0						2951.413		13	
	PORT 3	155250.B.AWS.4G.tmp4		CTL00809_2B_2	CTL00809_2B_2		LTE AWS	OPA65R-BU8D_2130MHz_02DT	17.7	140	2	Top	FIBER	0						3837.0724		14	
	PORT 4	155250.B.AWS.5G.tmp1		CTCN001809_N066B_1	CTCN001809_N066B_1		5G AWS	OPA65R-BU8D_2130MHz_02DT	17.7	140	2	Top	FIBER	0						3837.0724		14	
NTENNA POSITION 4	PORT 1	155250.B.700.4G.1		CTL01809_7B_1	CTL01809_7B_1		LTE 700	OPA65R-BU8D_725MHz_02DT	14.7	140	2	Top	FIBER	0						1475.7065		15	
	PORT 2	155250.B.850.5G.tmp1		CTCN001809_N005B_1	CTCN001809_N005B_1		5G 850	OPA65R-BU8D_850MHz_02DT	15.5	140	2	Top	FIBER	0						1000		15	
	PORT 3	155250.B.1900.4G.tmp1		CTL00809_9B_1	CTL00809_9B_1		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	140	4	Top	FIBER	0						3664.3757		16	
	PORT 4	155250.B.1900.4G.tmp2		CTL00809_9B_2	CTL00809_9B_2		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	140	4	Top	FIBER	0						3664.3757		16	
	PORT 7	155250.B.1900.5G.tmp1		CTCN001809_N002B_1	CTCN001809_N002B_1		5G 1900	OPA65R-BU8D_1930MHz_04DT	17.2	140	4	Top	FIBER	0						3664.3757		16	

Section 17C - FINAL TOWER CONFIGURATION - SECTOR C

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
ANTENNA MAKE - MODEL	HPA-65R-BUU-H8	HPA-65R-BUU-H8	OPA65R-BU8DA	OPA65R-BU8DA			
ANTENNA VENDOR	CCI Antennas	CCI Antennas	CCI	CCI			
ANTENNA SIZE (H x W x D)	92.4X14.8X7.4	92.4X14.8X7.4	96X21X7.8	96X21X7.8			
ANTENNA WEIGHT	68	68	76.5	76.5			
AZIMUTH	260	260	260	260			
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	100.02	100.02	100.02	100.02			
ANTENNA TIP HEIGHT	104.02	104.02	104.02	104.02			
MECHANICAL DOWNTILT	0	0	0	0			
FEEDER AMOUNT							
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)							
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4478 B14	1 4449 B5/B12			
RRH - 850 band (QTY/MODEL)				RRH is shared with another band			
RRH - 1900 band (QTY/MODEL)				1 8843 B2/B66A			
RRH - AWS band (QTY/MODEL)			RRH is shared with another band				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)				2 Y-CABLE			
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1	Arrange antenna and radio postions as per PD. Swap and add antennas. Swap and add LTE radios. Add 6651+Xcede Cable. Add Y-Cable for dual band radios.Decomm UMTS.						
Local Market Note 2							
Local Market Note 3	6630 + XMU /6651+Xcede Cable.						

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/ Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1					SPARE				260	0												
ANTENNA POSITION 2	PORT 1					SPARE				260	0												

ANTENNA POSITION 3	PORT 1	155250.C.700.4G.tmp5		CTL01809_7C_3_F	CTL01809_7C_3_F		LTE 700	OPA65R-BU8D_770MHz_02DT	15	260	2	Top	FIBER	0						2951.413		21	
	PORT 3	155250.C.AWS.4G.tmp4		CTL00809_2C_2	CTL00809_2C_2		LTE AWS	OPA65R-BU8D_2130MHz_02DT	17.7	260	2	Top	FIBER	0						3837.0724		22	
	PORT 4	155250.C.AWS.5G.tmp1		CTCN001809_N066C_1	CTCN001809_N066C_1		5G AWS	OPA65R-BU8D_2130MHz_02DT	17.7	260	2	Top	FIBER	0						3837.0724		22	
ANTENNA POSITION 4	PORT 1	155250.C.700.4G.1		CTL01809_7C_1	CTL01809_7C_1		LTE 700	OPA65R-BU8D_725MHz_02DT	14.7	260	2	Top	FIBER	0						1475.7065		23	
	PORT 2	155250.C.850.5G.tmp1		CTCN001809_N005C_1	CTCN001809_N005C_1		5G 850	OPA65R-BU8D_850MHz_02DT	15.5	260	2	Top	FIBER	0						1000		23	
	PORT 3	155250.C.1900.4G.tmp1		CTL00809_9C_1	CTL00809_9C_1		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	260	4	Top	FIBER	0						3664.3757		24	
	PORT 4	155250.C.1900.4G.tmp2		CTL00809_9C_2	CTL00809_9C_2		LTE 1900	OPA65R-BU8D_1930MHz_04DT	17.2	260	4	Top	FIBER	0						3664.3757		24	
	PORT 7	155250.C.1900.5G.tmp1		CTCN001809_N002C_1	CTCN001809_N002C_1		5G 1900	OPA65R-BU8D_1930MHz_04DT	17.2	260	4	Top	FIBER	0						3664.3757		24	

Diagram - Sector	A	Diagram File Name - CT1809_ABC MULTICARRIER_Rev.2.vsd					
Atoll Site Name -	CTL01809	Location Name -	GLASTONBURY MONTANO RD	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND
Comments:							

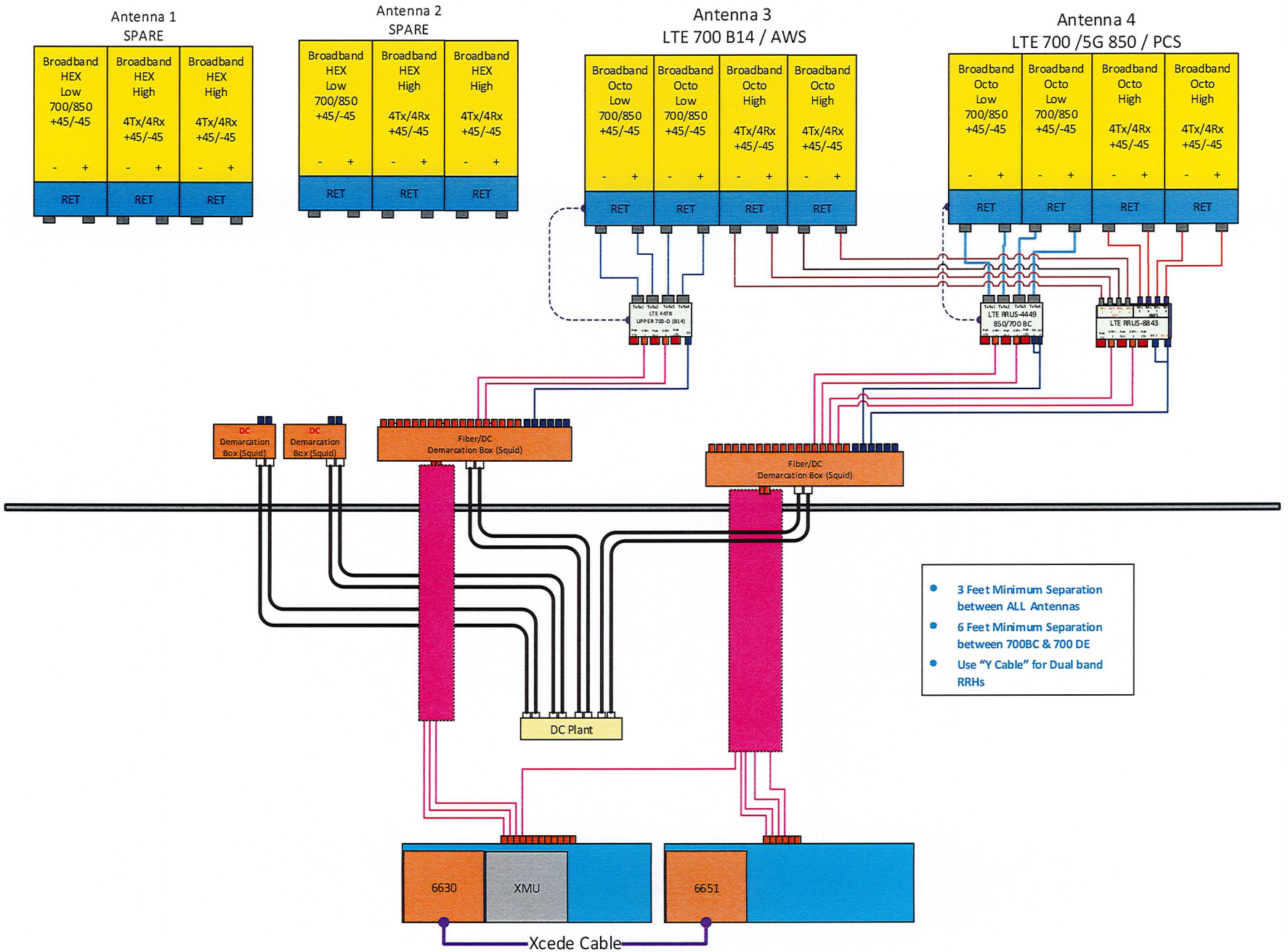


Diagram - Sector	B	Diagram File Name - CT1809_ABC MULTICARRIER_Rev.2.vsd					
Atoll Site Name -	CTL01809	Location Name -	GLASTONBURY MONTANO RD	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND
Comments:							

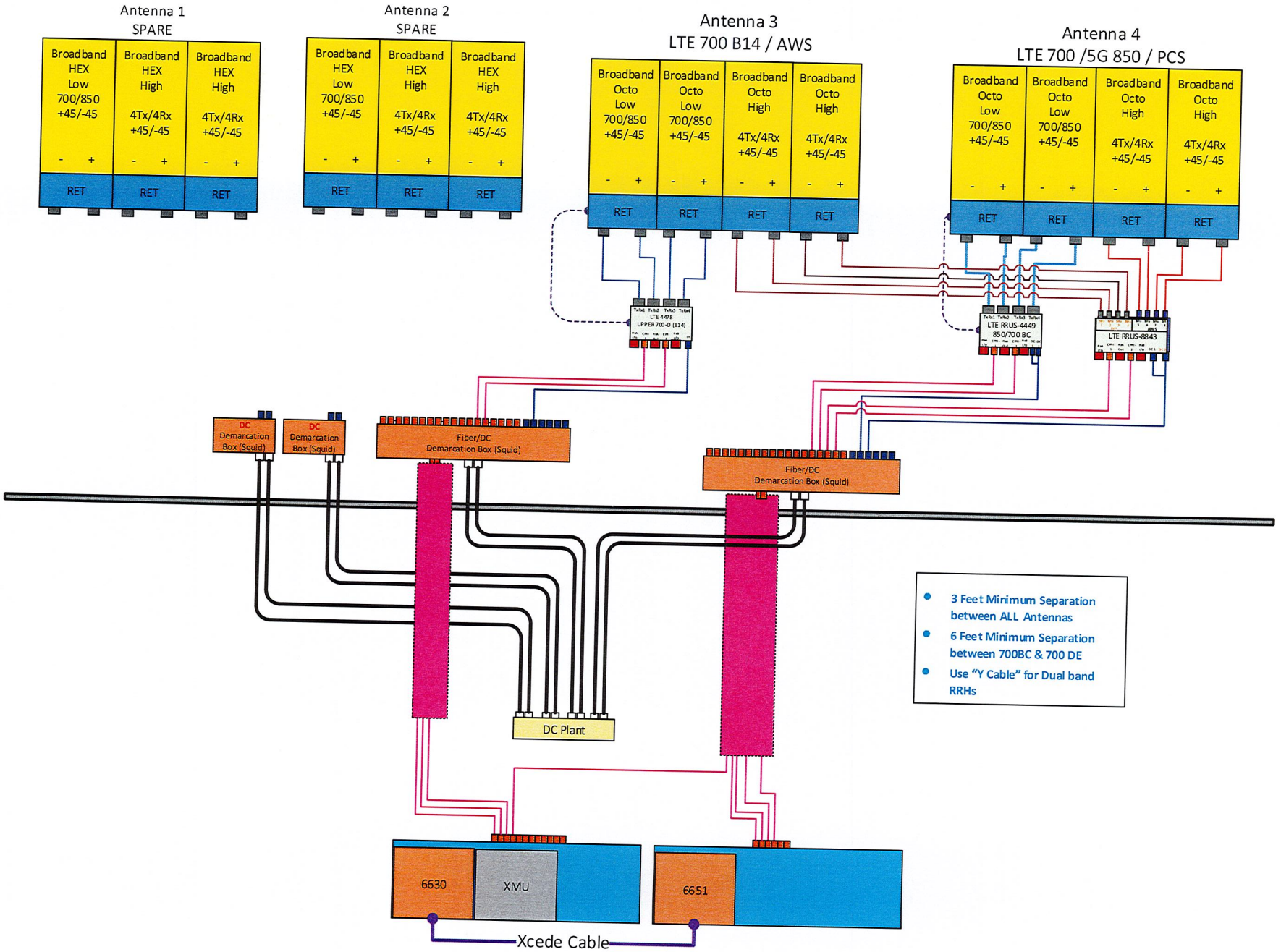
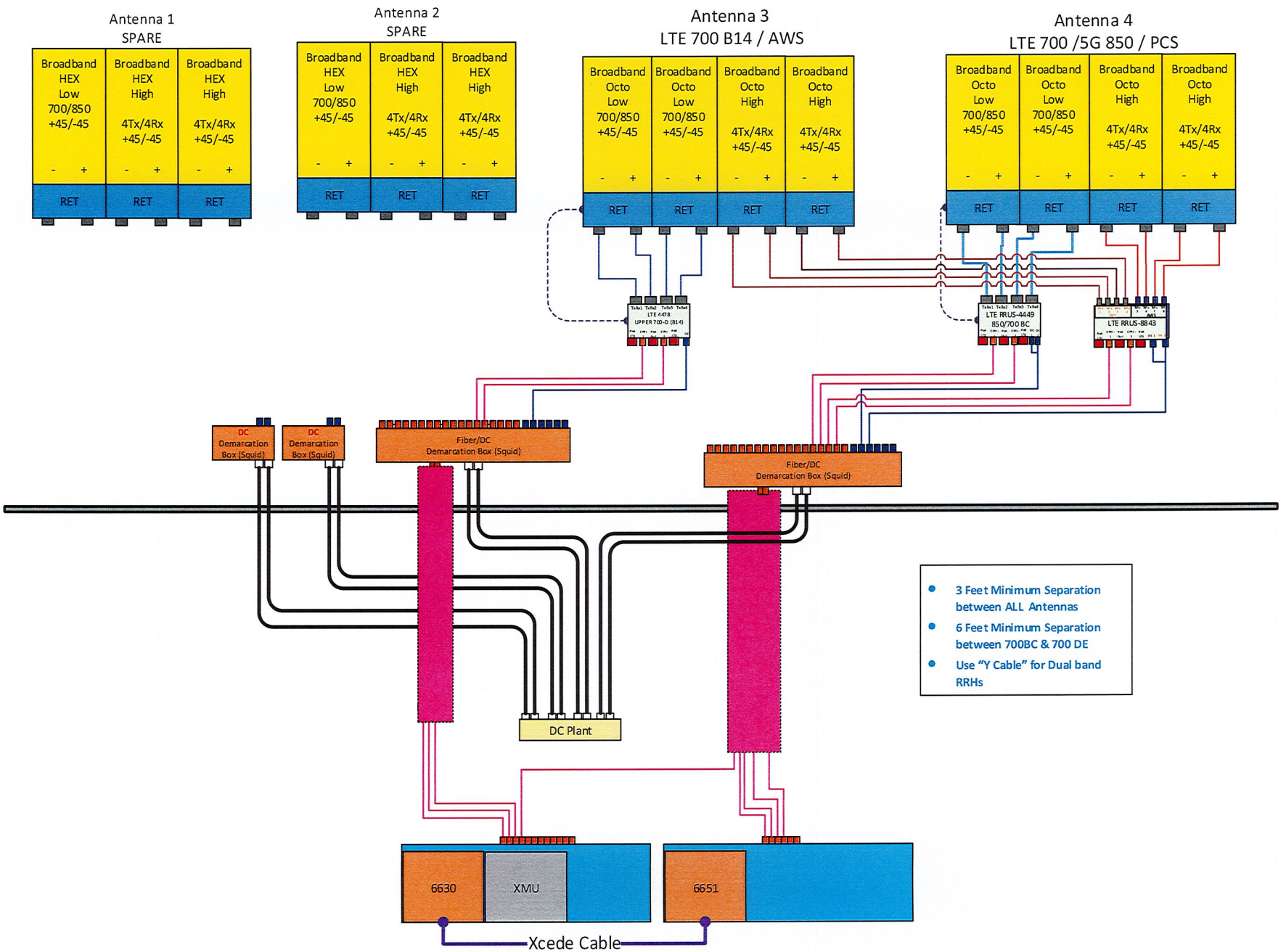


Diagram - Sector	C	Diagram File Name - CT1809_ABC MULTICARRIER_Rev.2.vsd					
Atoll Site Name -	CTL01809	Location Name -	GLASTONBURY MONTANO RD	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND
Comments:							



NOTES			
Date Time (Eastern)	Version	ATTUID	Note
10/21/2022 9:05:58 AM	2.00	sp656b	RFDS VERSION incremented.
1/19/2023 11:59:33 AM	3.00	mh705r	RFDS VERSION incremented.
4/14/2023 2:43:38 PM	4.00	mh705r	RFDS VERSION incremented.

WORKFLOW SUMMARY							
Date	FROM State / Status	FROM ATTUID	TO State / Status	TO ATTUID	Operation	Comments	PACE Status
04/24/2022	Preliminary In Progress	hs357s	Preliminary Submitted for Approval	KG0839	Promote	Prelim	ER_-RCTB-22-00415 PENDING 04/24/2022 3:07:51 PM ER_-RCTB-22-00273 MRCTB062207 SUCCESS 04/24/2022 3:07:51 PM ER_-RCTB-22-00239 MRCTB062184 SUCCESS 04/24/2022 3:07:51 PM ER_-RCTB-22-00457 PENDING 04/24/2022 3:07:51 PM ER_-RCTB-22-00362 MRCTB062282 SUCCESS 04/24/2022 3:07:51 PM
04/25/2022	Preliminary Submitted for Approval	KG0839	Preliminary Approved	KD602N	Promote	4/25/22 - promoting without review	
08/11/2022	Preliminary Approved	KD602N	Preliminary Modification Recommended	DR701E	Demote	Per the Mapping, sending in Email... 1.Squid qty should be changed to 1 DC6-48-60-18 and 1 DC6-48-60-08F (currently showing 2 each) and 2 demarcation squids total of 4 squids2.Note: mapping does not specify separate squid types 3.DC qty should show 8 (not listed)4.Fiber qty should be 2 (not listed)5.Note : mapping has 3 fibers6.Plumbing diagram reflects correct qty.	
08/11/2022	Preliminary Modification Recommended	DR701E	Preliminary Modification Recommended	SP656B	Reassign	Successfully Reassigned	
10/21/2022	Preliminary Modification Recommended	SP656B	Preliminary Submitted for Approval	KG0839	Promote	revised as per email	
10/25/2022	Preliminary Submitted for Approval	KG0839	Preliminary Approved	KD602N	Promote	10/25/22 - promoting without review	
11/04/2022	Preliminary Approved	KD602N	Final RF Approval	SP656B	Promote	sending to final:	
11/14/2022	Final RF Approval	SP656B	Final Approved	KD602N	Promote	Final	ER_-RCTB-22-00415 PENDING 11/14/2022 10:19:45 AM ER_-RCTB-22-00273 MRCTB062207 SUCCESS 11/14/2022 10:19:45 AM ER_-RCTB-22-00239 MRCTB062184 SUCCESS 11/14/2022 10:19:45 AM ER_-RCTB-22-00457 MRCTB062267 SUCCESS 11/14/2022 10:19:45 AM ER_-RCTB-22-00362 PENDING 11/14/2022 10:19:45 AM
01/11/2023	Final Approved	KD602N	Final Modification Recommended	SP656B	Demote	Per Deepak in CD Review, "We are adding B14 as LTE 4C which is proposed. If RFDS sec 15 has B14 showing as existing, RFDS needs to be updated to take them out."	
01/19/2023	Final Modification Recommended	SP656B	Final Modification Recommended	MH705R	Reassign	Successfully Reassigned	
01/19/2023	Final Modification Recommended	MH705R	Final Approved	KD602N	Promote	Final RFDS updated for demotion comments.	
01/20/2023	Final Approved	KD602N	Final Approved	WK467H	Reassign	Successfully Reassigned	
04/10/2023	Final Approved	WK467H	Final Modification Recommended	SP656B	Demote	update BB to 6651 w/ Xcede cable so section 16,17 & PD	
04/12/2023	Final Modification Recommended	SP656B	Final Modification Recommended	MH705R	Reassign	Successfully Reassigned	
04/14/2023	Final Modification Recommended	MH705R	Final Approved	WK467H	Promote	Final RFDS updated for demotion comments	

						SOW	

PROJECT INFORMATION

SCOPE OF WORK:	ITEMS TO BE MOUNTED ON THE EXISTING MONOPOLE TOWER: • INSTALL AT&T ANTENNAS: OPA65R-BU6DA @ POS. 3 & 4 (TYP. OF 2 PER SECTOR, TOTAL OF 6) • INSTALL AT&T RRUS: 4478 B14 (700) @ POS. 2 (TYP. OF 1 PER SECTOR, TOTAL OF 3). • INSTALL AT&T RRUS: 8843 B2/B66A (PCS/AWS) @ POS. 4 (TYP. OF 1 PER SECTOR, TOTAL OF 3). • INSTALL AT&T RRUS: 4449 B5/B12 (700/850) @ POS. 4 (TYP. OF 1 PER SECTOR, TOTAL OF 3). • INSTALL AT&T (6) Y-CABLES. ITEMS TO BE MOUNTED IN EQUIPMENT LOCATION: • INSTALL (1) NEW 6651+XCEDE CABLE EXISTING LTE FIF RACK. • FINAL CONFIG. 6630 + XMU /6651+XCEDE CABLE • INSTALL (2) NEW -48V RECTIFIERS. ITEMS TO BE REMOVED: • DECOMMISSION EXISTING AT&T ANTENNA: HPA-65R-BUU-H8 (TYP. OF 2 PER SECTOR, TOTAL OF 6). • DECOMMISSION EXISTING AT&T RRUS-11 B12 (700) (TYP. OF 1 PER SECTOR, TOTAL OF 3). • DECOMMISSION EXISTING AT&T RRUS-12 B2+RRUS-A2 B25 (700) (TYP. OF 1 PER SECTOR, TOTAL OF 3). • DECOMMISSION EXISTING AT&T RRUS-11 B2 (TYP. OF 1 PER SECTOR, TOTAL OF 3) ITEMS TO REMAIN: • (6) ANTENNAS, (8) DC POWER, (4) DC6 SURGE ARRESTORS & (2) FIBER.
RFDS:	FINAL-APPROVED V4 RFDS DATED 04/14/23
SITE ADDRESS:	58A MONTANO ROAD GLASTONBURY, CT 06033
LATITUDE:	41.6994440° N, 41° 41' 57.99" N
LONGITUDE:	-72.5640000° W, 72° 33' 50.4" W
TYPE OF SITE:	MONOPOLE TOWER / INDOOR EQUIPMENT
STRUCTURE HEIGHT:	119'-0"±
RAD CENTER:	100'-0"±
CURRENT USE:	TELECOMMUNICATIONS FACILITY
PROPOSED USE:	TELECOMMUNICATIONS FACILITY

DRAWING INDEX

SHEET NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	2
GN-1	GENERAL NOTES	2
A-1	COMPOUND & EQUIPMENT PLAN	2
A-2	ANTENNA LAYOUTS & ELEVATION	2
A-3	DETAILS	2
G-1	GROUNDING DETAILS	2
RF-1	RF PLUMBING DIAGRAM	2

NOTE TO GENERAL CONTRACTOR: (PRIOR TO CONSTRUCTION COMPLETION)

- TEP NORTHEAST (TEP OPCO, LLC.) TO PERFORM POST/CLIMB AND INSPECTION TO CONFIRM PROPOSED INSTALLATION COMPLIES WITH THE RECORD STAMPED DRAWINGS AND STRUCTURAL REPORTS PRIOR TO SUBMITTING FCCA (FINAL CONSTRUCTION CONTROL AFFIDAVIT). GC IS RESPONSIBLE FOR COORDINATING INSPECTIONS WITH TEP NORTHEAST (TEP OPCO, LLC.) PRIOR TO CONSTRUCTION BEING COMPLETED.

at&t

SITE NUMBER: CTL01809

SITE NAME: GLASTONBURY MONTANO RD

FA CODE: 10577834

PACE ID: MRCTB062281, MRCTB062207, MRCTB062184, MRCTB062267, MRCTB062282

PROJECT: 4TX4RX SOFTWARE RETROFIT, LTE 3C, LTE 4C, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1DR-1 2023 UPGRADE

VICINITY MAP

DIRECTIONS TO SITE:

HEAD SOUTH TOWARD ENTERPRISE DR, TURN LEFT ONTO ENTERPRISE DR, TURN LEFT ONTO CAPITAL BLVD, USE THE LEFT LANE TO TURN LEFT ONTO STATE HWY 411, TURN LEFT TO MERGE WITH I-91 N, MERGE WITH I-91 N, TAKE THE EXIT ONTO CT-3 N TOWARD GLASTONBURY, USE ANY LANE TO MERGE WITH CT-2 E TOWARD NORWICH, DESTINATION WILL BE ON THE RIGHT, GLASTONBURY, CT 06033.



GENERAL NOTES

1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T MOBILITY REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
4. CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORD'S STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN.

72 HOURS

CALL
BEFORE YOU DIG
CALL TOLL FREE 1-800-922-4455
OR CALL 811

UNDERGROUND SERVICE ALERT

TEP NORTHEAST
TEP OPCO, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553

smartlink
SMARTLINK
1997 ANNAPOLIS EXCHANGE PKWY SUITE 200
ANNAPOLIS, MD 21401

SITE NUMBER: CTL01809
SITE NAME: GLASTONBURY MONTANO RD
SBA SITE ID: CT13555

58A MONTANO ROAD
GLASTONBURY, CT 06033
HARTFORD COUNTY

at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

NO.	DATE	REVISIONS	BY	CHK	APP'D
2	04/21/23	ISSUED FOR REVIEW	EP	AT	DPH
1	01/25/23	ISSUED FOR REVIEW	JS	AT	DPH
0	08/30/22	ISSUED FOR REVIEW	JS	AT	DPH

SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: VS

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

AT&T

TITLE SHEET

4TX4RX SOFTWARE RETROFIT, LTE 3C, LTE 4C, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1DR-1 UPGRADE 2023

SITE NUMBER	DRAWING NUMBER	REV
CTL01809	T-1	2

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.

2. 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.

3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81 STANDARDS) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.

4. 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.

5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS AND #2 AWG STRANDED COPPER FOR OUTDOOR BTS.

6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.

7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO GROUND BAR.

9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.

11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

   CONTRACTOR – SMARTLINK
   SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
   OWNER – AT&T MOBILITY

2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR 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 CONTRACTOR.

3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR 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.

4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.

5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.

7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.

9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.

10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.

11. SUBCONTRACTOR 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.

12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.

13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.

14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.

15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCH UP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.

16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T SITES."

17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.

19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

20. **APPLICABLE BUILDING CODES:**
    SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

    BUILDING CODE: IBC 2021 WITH 2022 CT STATE BUILDING CODE AMENDMENTS
    ELECTRICAL CODE: 2020 NATIONAL ELECTRICAL CODE (NFPA 70-2020)

    SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

    AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;

    AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION, ASD, FOURTEENTH EDITION;

    TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-H, STRUCTURAL STANDARDS FOR STEEL

    FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	EQ	EQUAL	REQ	REQUIRED
AWG	AMERICAN WIRE GAUGE	GC	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
BBU	BATTERY BACKUP UNIT	GRC	GALVANIZED RIGID CONDUIT	TBD	TO BE DETERMINED
BTCW	BARE TINNED SOLID COPPER WIRE	MGB	MASTER GROUND BAR	TBR	TO BE REMOVED
BGR	BURIED GROUND RING	MIN	MINIMUM	TBRR	TO BE REMOVED AND REPLACED
BTS	BASE TRANSCEIVER STATION	P	PROPOSED	TYP	TYPICAL
E	EXISTING	NTS	NOT TO SCALE	UG	UNDER GROUND
EGB	EQUIPMENT GROUND BAR	RAD	RADIATION CENTER	VIF	VERIFY IN FIELD
EGR	EQUIPMENT GROUND RING	REF	REFER		

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SMARTLINK
1997 ANNAPOLIS EXCHANGE PKWY SUITE 200
ANNAPOLIS, MD 21401

SITE NUMBER: CTL01809
SITE NAME: GLASTONBURY MONTANO RD
SBA SITE ID: CT13555

58A MONTANO ROAD
GLASTONBURY, CT 06033
HARTFORD COUNTY

at&t
500 ENTERPRISE DRIVE, SUITE 3A
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NO.	DATE	REVISIONS	BY	CHK	APP'D
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SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: VS

STATE OF CONNECTICUT — DANIEL P. HAMM — No. 24178 — LICENSED PROFESSIONAL ENGINEER

AT&T

GENERAL NOTES

4B4ARX SOFTWARE RETROFIT, LTE 3C, LTE 4C, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1DR-1 UPGRADE 2023

SITE NUMBER	DRAWING NUMBER	REV
CTL01809	GN-1	2

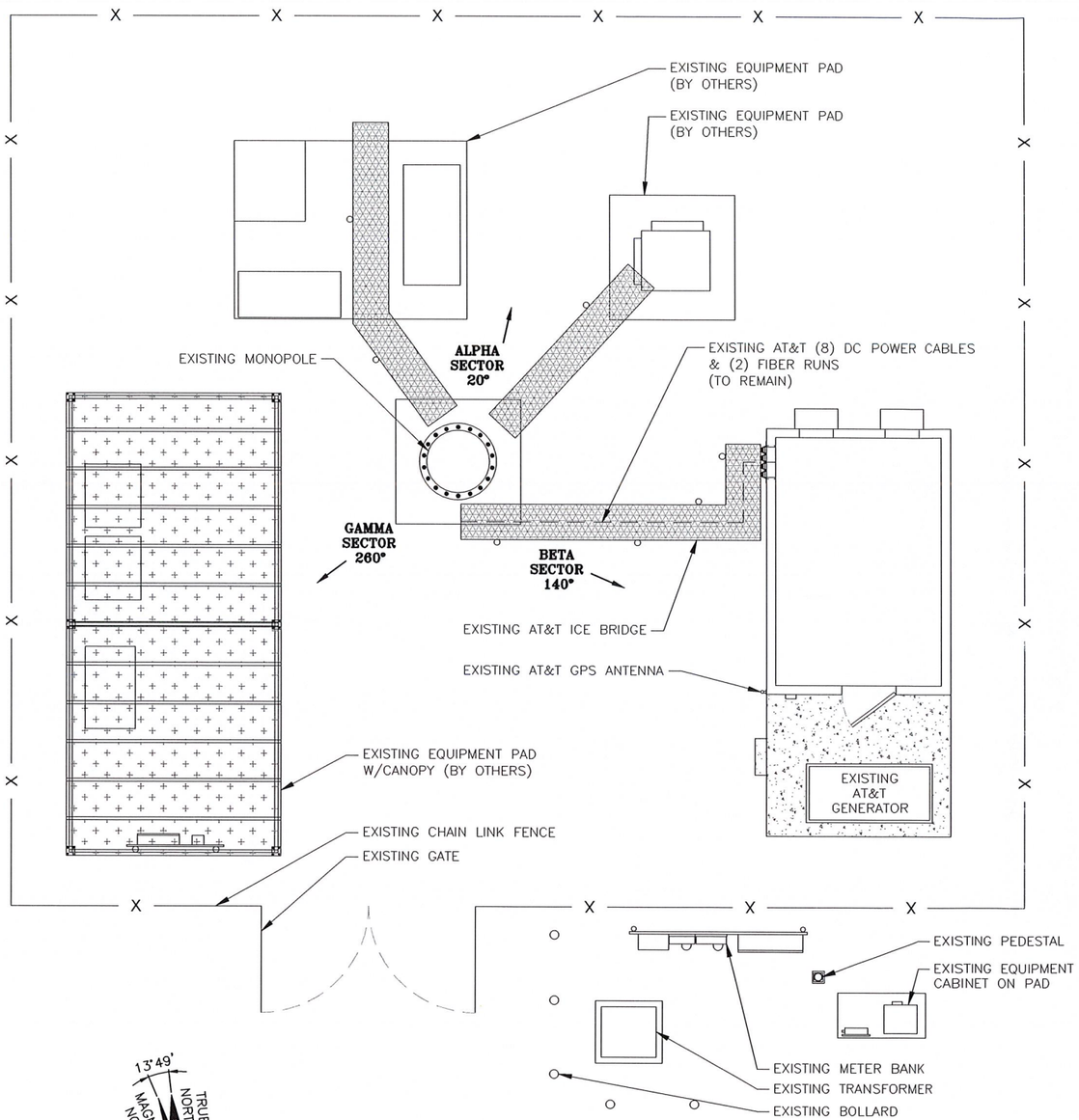
NOTE:
REFER TO MOUNT STRUCTURAL ANALYSIS BY: TOWER ENGINEERING PROFESSIONALS DATED: APRIL 27, 2023 (REV.1), FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

NOTE:

ROTATION OF MOUNTS OR INSTALLATION OF MOUNT MODS MUST NOT ADVERSELY AFFECT, OBSTRUCT, BEND OR PINCH EXISTING SAFETY CABLE IN ANY WAY. GC, C/O AT&T, WILL PURCHASE AND INSTALL CABLE RE-ROUTING BRACKETS AS REQUIRED.

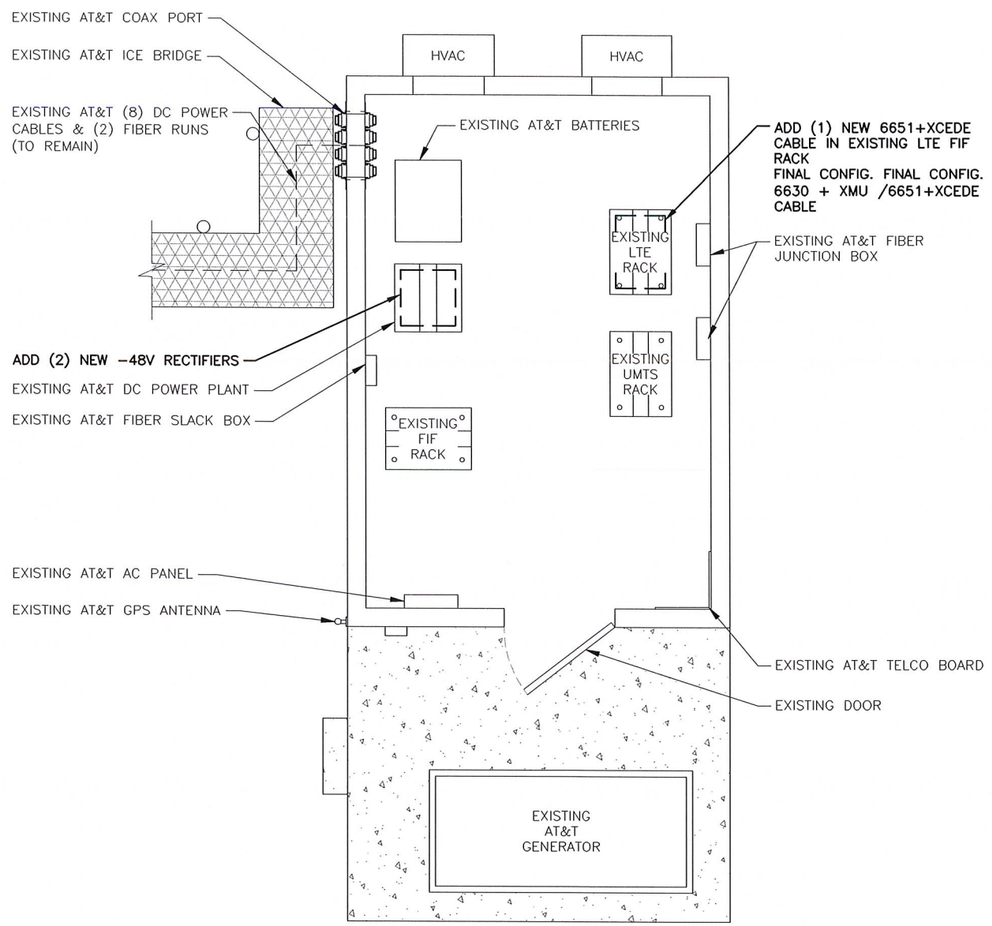
NOTE:

REFER TO FINAL-APPROVED V4 RFDS DATED 04/14/23



COMPOUND PLAN (1 / A-1)
22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

0 2'-0" 4'-0" 8'-0" 12'-0"



EQUIPMENT PLAN (2 / A-1)
22x34 SCALE: 1/2"=1'-0"
11x17 SCALE: 1/4"=1'-0"

0 1'-0" 2'-0" 4'-0" 6'-0"

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smartlink
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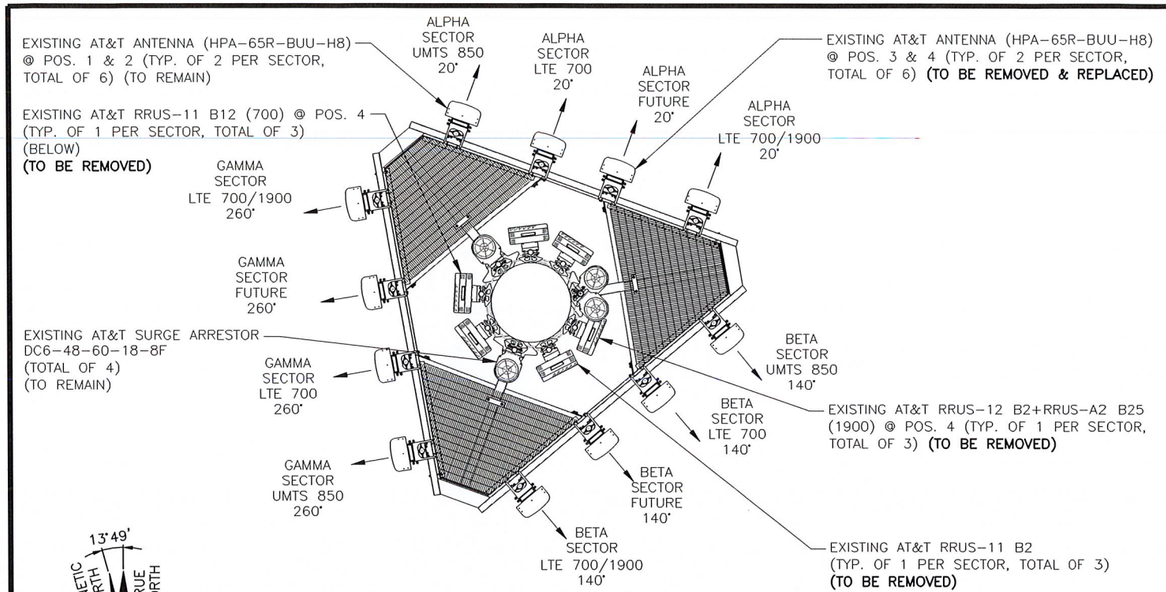
SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: VS

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

AT&T

COMPOUND & EQUIPMENT PLANS
4TRX SOFTWARE RETROFIT, LTE 3C, LTE 4C, 5G NR SOFTWARE UPGRADE 5G NR RADIO, 5G NR 1DR-1 UPGRADE 2023

SITE NUMBER	DRAWING NUMBER	REV
CTL01809	A-1	2

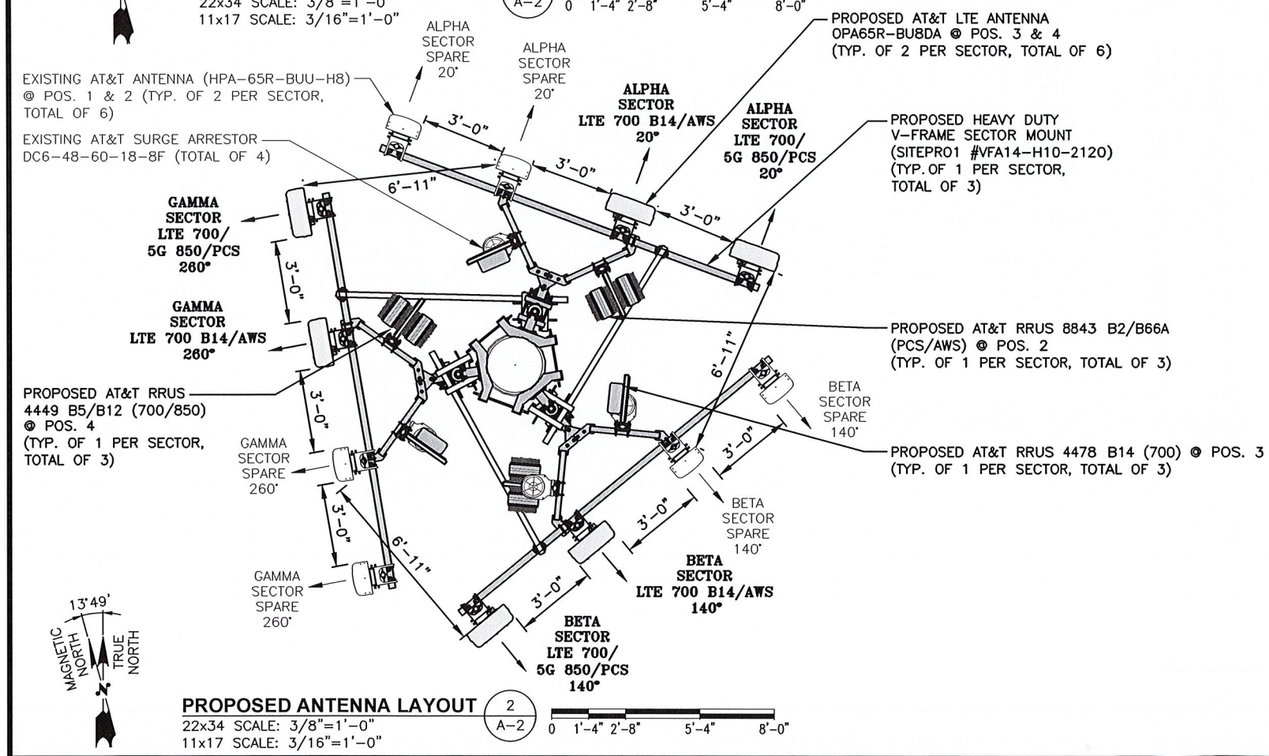


EXISTING ANTENNA LAYOUT

22x34 SCALE: 3/8"=1'-0"
11x17 SCALE: 3/16"=1'-0"

1 / A-2

0 1'-4" 2'-8" 5'-4" 8'-0"

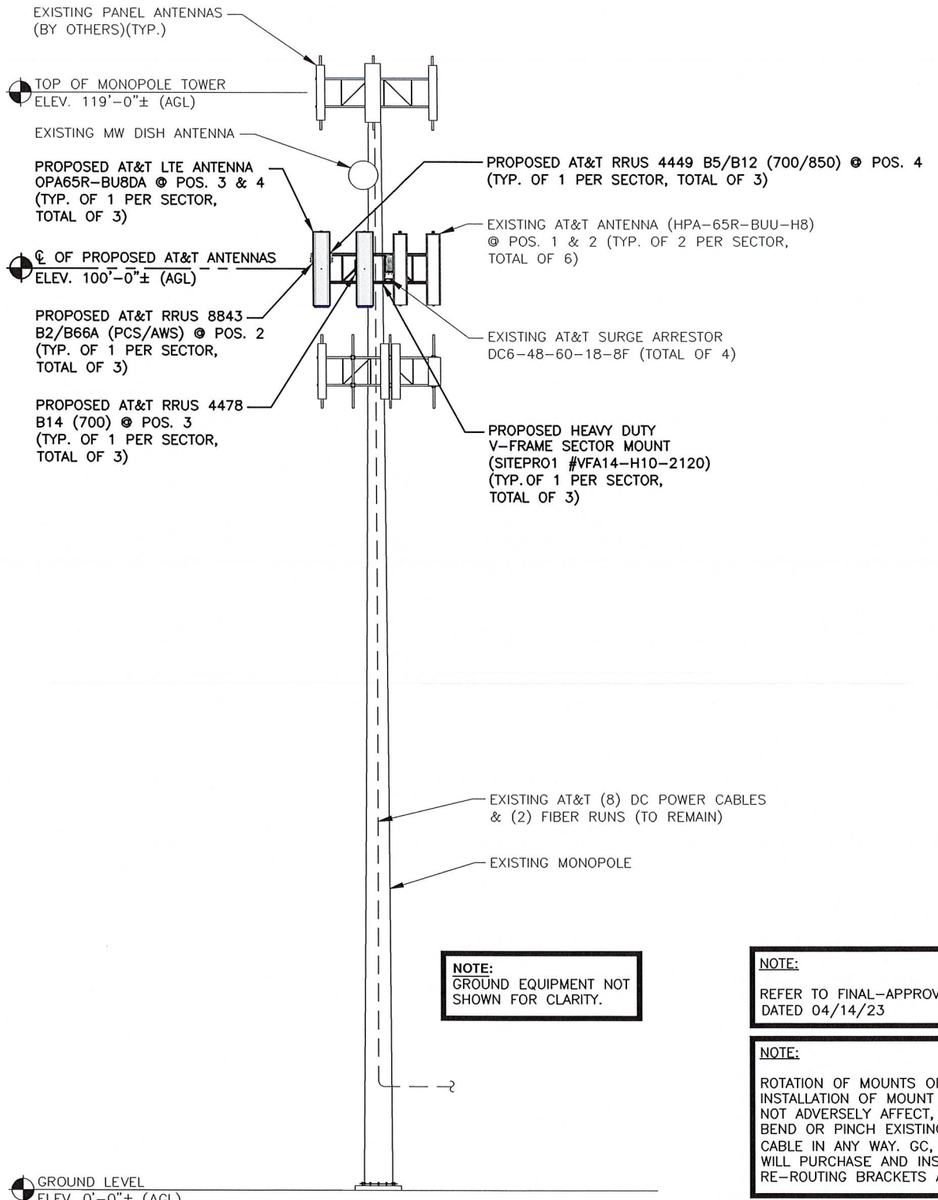


PROPOSED ANTENNA LAYOUT

22x34 SCALE: 3/8"=1'-0"
11x17 SCALE: 3/16"=1'-0"

2 / A-2

0 1'-4" 2'-8" 5'-4" 8'-0"



ELEVATION

22x34 SCALE: 1/8"=1'-0"
11x17 SCALE: 1/16"=1'-0"

3 / A-2

0 4'-0" 8'-0" 16'-0"

NOTE:
GROUND EQUIPMENT NOT SHOWN FOR CLARITY.

NOTE:

REFER TO FINAL-APPROVED V4 RFDS DATED 04/14/23

NOTE:

ROTATION OF MOUNTS OR INSTALLATION OF MOUNT MODS MUST NOT ADVERSELY AFFECT, OBSTRUCT, BEND OR PINCH EXISTING SAFETY CABLE IN ANY WAY. GC, C/O AT&T, WILL PURCHASE AND INSTALL CABLE RE-ROUTING BRACKETS AS REQUIRED.

NOTE:
REFER TO MOUNT STRUCTURAL ANALYSIS BY: TOWER ENGINEERING PROFESSIONALS DATED: APRIL 27, 2023 (REV.1), FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

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SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: VS

AT&T

ANTENNA LAYOUTS & ELEVATION

4TRX SOFTWARE RETROFIT, LTE 3C, LTE 4C, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1DR-1 UPGRADE 2023

SITE NUMBER	DRAWING NUMBER	REV
CTL01809	A-2	2

ANTENNA SCHEDULE

FINAL–APPROVED V4 RFDS DATED 04/14/23

SECTOR	EXISTING/ PROPOSED	BAND	ANTENNA	SIZE (INCHES) (L x W x D)	ANTENNA ℄ HEIGHT	AZIMUTH	TMA/ DIPLEXER	RRU	SIZE (INCHES) (L x W x D)	FEEDER	RAYCAP
A1	EXISTING	SPARE	HPA–65R–BUU–H8	92.4"X14.8"X7.4"	100'–0"±	20°	–	–	–	–	(E) (1) RAYCAP DC6–48–60–18–8F
A2	EXISTING	SPARE	HPA–65R–BUU–H8	92.4"X14.8"X7.4"	100'–0"±	20°	–	–	–	–	
A3	**PROPOSED**	**LTE 700 B14/AWS**	**OPA65R–BU8DA**	**96"X21"X7.8"**	**100'–0"±**	**20°**	–	**(P)(1)RRUS–4478 B14 (700/AWS)**	**18.1"x13.4"x8.3"**	(E)(2) DC POWER	
A4	**PROPOSED**	**LTE 700/5G 850 /PCS**	**OPA65R–BU8DA**	**96"X21"X7.8"**	**100'–0"±**	**20°**	–	**(P)(1)RRUS–4449 B5/B12 (850/700)** **(P)(1)RRUS–8843 B2/B66A (1900)**	**17.9"x13.2"x10.4"** **14.9"x13.2"x10.9"**	**(P)(2)(Y–CABLE)**	
B1	EXISTING	SPARE	HPA–65R–BUU–H8	92.4"X14.8"X7.4"	100'–0"±	140°	–	–	–	–	(E) (2) RAYCAP DC6–48–60–18–8F
B2	EXISTING	SPARE	HPA–65R–BUU–H8	92.4"X14.8"X7.4"	100'–0"±	140°	–	–	–	–	
B3	**PROPOSED**	**LTE 700 B14/AWS**	**OPA65R–BU8DA**	**96"X21"X7.8"**	**100'–0"±**	**140°**	–	**(P)(1)RRUS–4478 B14 (700/AWS)**	**18.1"x13.4"x8.3"**	(E)(4) DC POWER & (2) FIBER	
B4	**PROPOSED**	**LTE 700/5G 850 /PCS**	**OPA65R–BU8DA**	**96"X21"X7.8"**	**100'–0"±**	**140°**	–	**(P)(1)RRUS–4449 B5/B12 (850/700)** **(P)(1)RRUS–8843 B2/B66A (1900)**	**17.9"x13.2"x10.4"** **14.9"x13.2"x10.9"**	**(P)(2)(Y–CABLE)**	
C1	EXISTING	SPARE	HPA–65R–BUU–H8	92.4"X14.8"X7.4"	100'–0"±	260°	–	–	–	–	(E) (1) RAYCAP DC6–48–60–18–8F
C2	EXISTING	SPARE	HPA–65R–BUU–H8	92.4"X14.8"X7.4"	100'–0"±	260°	–	–	–	–	
C3	**PROPOSED**	**LTE 700 B14/AWS**	**OPA65R–BU8DA**	**96"X21"X7.8"**	**100'–0"±**	**260°**	–	**(P)(1)RRUS–4478 B14 (700/AWS)**	**18.1"x13.4"x8.3"**	(E)(2) DC POWER & (1) FIBER	
C4	**PROPOSED**	**LTE 700/5G 850 /PCS**	**OPA65R–BU8DA**	**96"X21"X7.8"**	**100'–0"±**	**260°**	–	**(P)(1)RRUS–4449 B5/B12 (850/700)** **(P)(1)RRUS–8843 B2/B66A (1900)**	**17.9"x13.2"x10.4"** **14.9"x13.2"x10.9"**	**(P)(2)(Y–CABLE)**	

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.

NOTE:
REFER TO MOUNT STRUCTURAL ANALYSIS BY: TOWER ENGINEERING PROFESSIONALS DATED: APRIL 27, 2023 (REV.1), FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

NOTE:
REFER TO FINAL–APPROVED V4 RFDS DATED 04/14/23

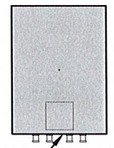
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RRU CHART

QUANTITY	MODEL	SIZE (L x W x D)
P(3)	4449 B5/B12 (850/700)	17.9"x13.2"x10.4"
P(3)	8843 B2/B66A (PCS)	14.9"x13.2"x10.9"
P(3)	4478 B14 (700/AWS)	18.1"x13.4"x8.3"

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS

NOTE:
SEE RFDS FOR RRH FREQUENCY AND MODEL NUMBER

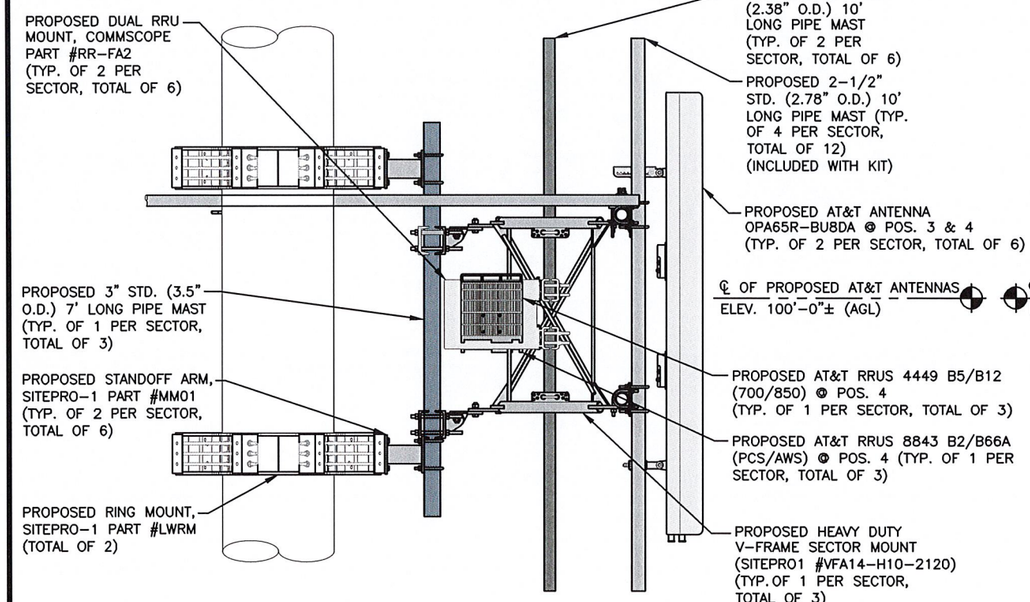


PROPOSED RRU REFER TO THE FINAL RFDS AND CHART FOR QUANTITY, MODEL AND DIMENSIONS

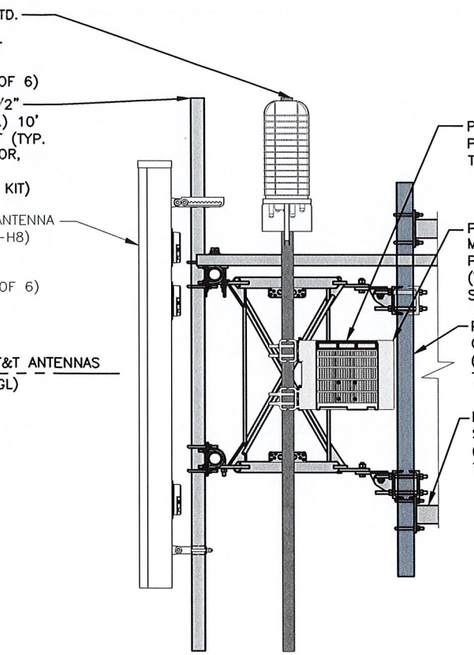
NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

PROPOSED RRUS DETAIL (2 / A–3)
SCALE: N.T.S

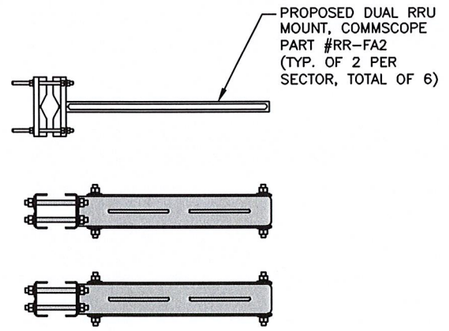
FINAL ANTENNA CONFIGURATION (1 / A–3)
SCALE: N.T.S



PROPOSED ANTENNA @ POS. 3 & 4 (3 / A–3)
22x34 SCALE: 3/4"=1'–0"
11x17 SCALE: 3/8"=1'–0"
0 8" 1'–4" 2'–8" 4'–0"



EXISTING ANTENNA @ POS. 1 & 2 (4 / A–3)
22x34 SCALE: 3/4"=1'–0"
11x17 SCALE: 3/8"=1'–0"
0 8" 1'–4" 2'–8" 4'–0"



BACK TO BACK RRU MOUNT DETAIL (5 / A–3)
SCALE: N.T.S

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TEP OFFICE, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553

smartlink
SMARTLINK
1997 ANNAPOLIS EXCHANGE PKWY SUITE 200
ANNAPOLIS, MD 21401

SITE NUMBER: CTL01809
SITE NAME: GLASTONBURY MONTANO RD
SBA SITE ID: CT13555

58A MONTANO ROAD
GLASTONBURY, CT 06033
HARTFORD COUNTY

at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

NO.	DATE	REVISIONS	BY	CHK	APP'D
2	04/21/23	ISSUED FOR REVIEW	EB	AT	DPH
1	01/25/23	ISSUED FOR REVIEW	JS	AT	DPH
0	08/30/22	ISSUED FOR REVIEW	JS	AT	DPH

SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: VS

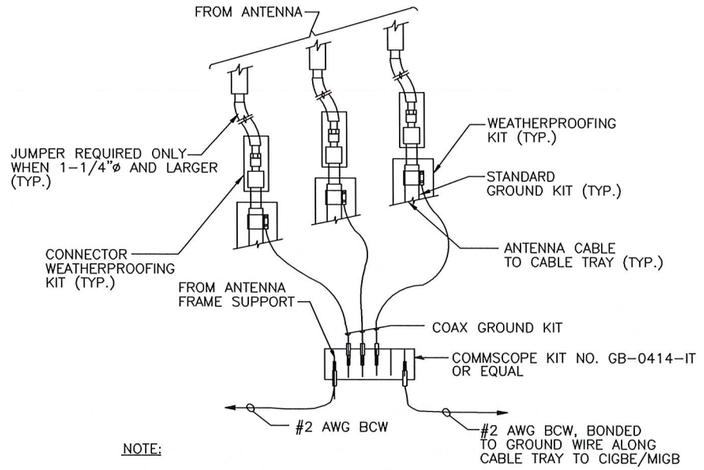
STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

AT&T

DETAILS

4TRARX SOFTWARE RETROFIT, LTE 3C, LTE 4C, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1DR–1 UPGRADE 2023

SITE NUMBER	DRAWING NUMBER	REV
CTL01809	A–3	2



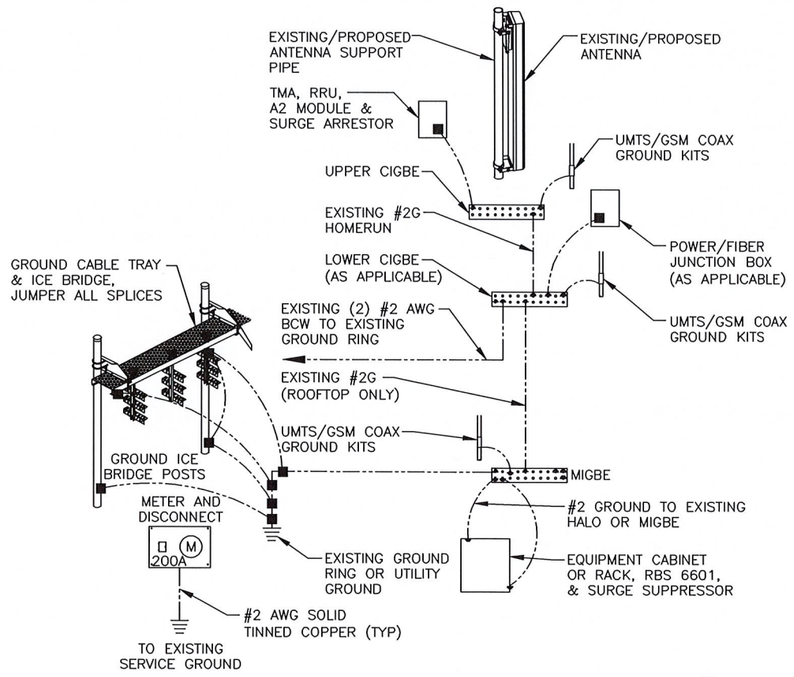
NOTE:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE.

GROUND WIRE TO GROUND BAR CONNECTION DETAIL

SCALE: N.T.S

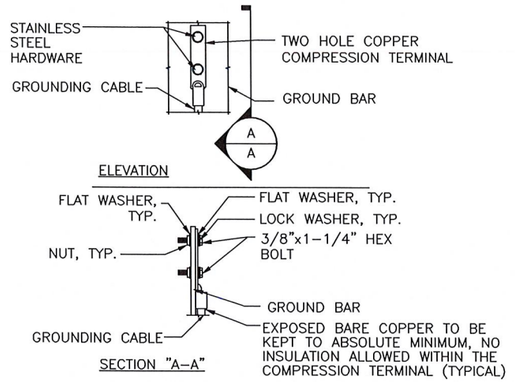
1 / G-1



GROUNDING RISER DIAGRAM

SCALE: N.T.S

2 / G-1



NOTES:

1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATION.
3. CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB

TYPICAL GROUND BAR CONNECTION DETAIL

SCALE: N.T.S

3 / G-1

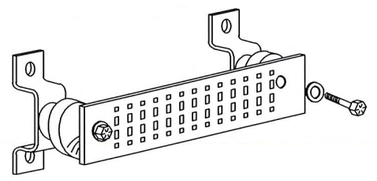
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION "P" – SURGE PRODUCERS

CABLE ENTRY PORTS (HATCH PLATES) (#2 AWG)
GENERATOR FRAMEWORK (IF AVAILABLE) (#2 AWG)
TELCO GROUND BAR
COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2 AWG)
+24V POWER SUPPLY RETURN BAR (#2 AWG)
-48V POWER SUPPLY RETURN BAR (#2 AWG)
RECTIFIER FRAMES.

SECTION "A" – SURGE ABSORBERS

INTERIOR GROUND RING (#2 AWG)
EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2 AWG)
METALLIC COLD WATER PIPE (IF AVAILABLE) (#2 AWG)
BUILDING STEEL (IF AVAILABLE) (#2 AWG)



GROUND BAR - DETAIL (AS REQUIRED)

SCALE: N.T.S

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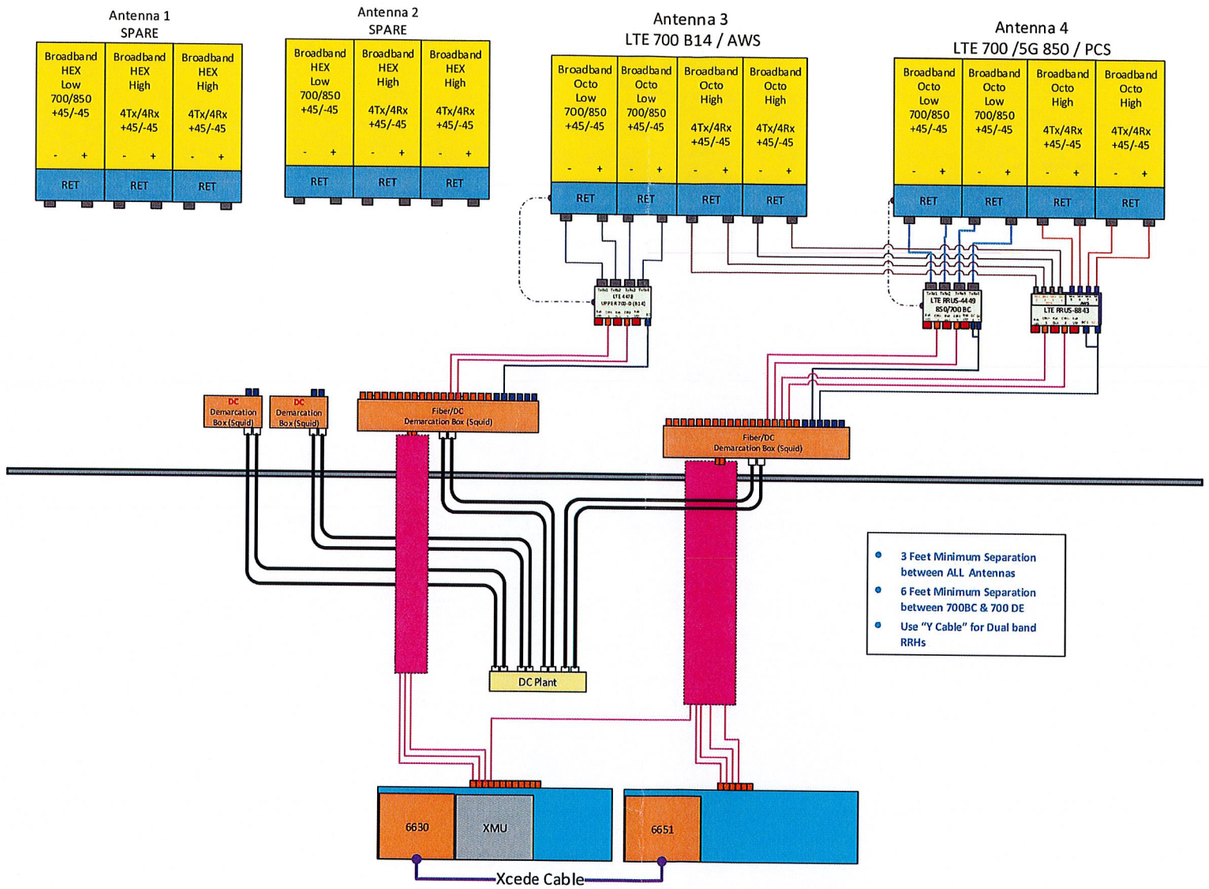
STATE OF CONNECTICUT
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AT&T

GROUNDING DETAILS
4RXARX SOFTWARE RETROFIT, LTE 3C, LTE 4C, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1DR-1 UPGRADE 2023

SITE NUMBER	DRAWING NUMBER	REV
CTL01809	G-1	2

FINAL–APPROVED V4 RFDS DATED 04/14/23



RF PLUMBING DIAGRAM (1 / RF–1)
SCALE: N.T.S

NOTE:
1. CONTRACTOR TO CONFIRM ALL PARTS.
2. INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS

NOTE:

REFER TO FINAL–APPROVED V4 RFDS DATED 04/14/23

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SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: VS

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RF PLUMBING DIAGRAM
4TX4RX SOFTWARE RETROFIT, LTE 3C, LTE 4C, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1DR–1 UPGRADE 2023

SITE NUMBER	DRAWING NUMBER	REV
CTL01809	RF–1	2