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Mahwah NJ, 07430
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Tom Kincaid
Real Estate Consultant

August 1, 2014

Hand Delivered

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

CC to Property Owner:
Town of Westport
110 Myrtle Avenue Westport, Connecticut

RE: Sprint Spectrum L.P. notice of intent to modify an existing telecommunications facility located at 180-182 Bayberry Lane, Westport, CT 06880. Known to Sprint Spectrum L.P. as site CT58XC971.

Dear Ms. Bachman:

In order to accommodate technological changes, implement Code Division Multiple Access ("CDMA") and/or Long Term Evolution ("LTE") capabilities, and enhance system performance in the state of Connecticut, Sprint Spectrum L.P. plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and its attachments is being sent to the chief elected official of the municipality in which affected cell site is located.

CDMA employs Spread-Spectrum technology and special coding scheme to allow multiple users to be multiplexed over the same physical channel.

LTE is a new high-performance air interface for cellular mobile communications. It is designed to increase the capacity and speed of mobile telephone networks.

Attached is a summary of the planned modifications, including power density calculations reflecting the change in Sprint's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

The changes to the facility do not constitute modification as defined Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for the R.C.S.A. Section 16-50j-72(b)(2).

1. The height of the overall structure will not be affected.
2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound.
3. The proposed changes will not increase the noise level at the existing facility by 6 decibels or more.
4. Radio Frequency power density may increase due to the use of one or more CDMA transmissions. Moreover, LTE will utilize additional radio frequencies newly licensed by the FCC for cellular mobile communications. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons Sprint Spectrum L.P. respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (845) 499-4712 or email JNotaro@Transcendwireless.com with questions concerning this matter. Thank you for your consideration.

Sincerely,

Jennifer Notaro
Real Estate Consultant

RADIO FREQUENCY FCC REGULATORY COMPLIANCE
MAXIMUM PERMISSIBLE EXPOSURE (MPE) ASSESSMENT

Sprint Existing Facility

Site ID: CT58XC971

WSPT - Westport Rebuild CT

180-182 Bayberry Lane
Westport, CT 06880

July 17, 2014

EBI Project Number: 62143795

July 17, 2014

Sprint
Attn: RF Engineering Manager
1 International Boulevard, Suite 800
Mahwah, NJ 07495

Re: Radio Frequency Maximum Permissible Exposure (MPE) Assessment for Site:
CT58XC971 - WSPT - Westport Rebuild CT

Site Total: 81.04% - MPE% in full compliance

EBI Consulting was directed to analyze the proposed upgrades to the existing Sprint facility located at 180-182 Bayberry Lane, Westport, CT, for the purpose of determining whether the radio frequency (RF) exposure levels from the proposed Sprint equipment upgrades 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 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

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

General population/uncontrolled exposure limits apply to situations in which the general 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 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limit for the cellular band (850 MHz Band) is approximately $567 \mu\text{W}/\text{cm}^2$, and the general population exposure limit for the 1900 MHz and 2500 MHz bands is $1000 \mu\text{W}/\text{cm}^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed upgrades to the existing Sprint Wireless antenna facility located at 180-182 Bayberry Lane, Westport, CT, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. All calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was focused at the base of the tower. For this report the sample point is the top of a 6 foot person standing at the base of the tower.

For all calculations, all emissions were calculated using the following assumptions:

- 1) 2 channels in the 1900 MHz Band were considered for each sector of the proposed installation.
- 2) 1 channel in the 800 MHz Band was considered for each sector of the proposed installation
- 3) 2 channels in the 2500 MHz Band were considered for each sector of the proposed installation.
- 4) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 5) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufactures supplied specifications minus 10 dB was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

- 6) The antennas used in this modeling are the RFS APXVSPP18-C-A20 and the RFS APXVTM14-C-I20. This is based on feedback from the carrier with regards to anticipated antenna selection. The RFS APXVSPP18-C-A20 has a 15.9 dBd gain value at its main lobe at 1900 MHz and 13.4 dBd at its main lobe for 850 MHz. The RFS APXVTM14-C-I20 has a 15.9 dBd gain value at its main lobe at 2500 MHz. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 7) The antenna mounting height centerline for the proposed antennas is **130 feet** above ground level (AGL).
- 8) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

All calculation were done with respect to uncontrolled / general public threshold limits

Site ID	CT58XC971 - WSPT - Westport Rebuild CT
Site Address	180-182 Bayberry Lane, Westport, CT, 06880
Site Type	Monopole

Sector 1

Antenna Number	Antenna Make	Antenna Model	Radio Type	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain (10 db reduction)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss (dB)	ERP	Power Density Percentage
1a	RFS	APXVSPP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	2	40	5.9	130	124	1/2 "	0.5	0	138.69	0.32%
1a	RFS	APXVSPP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	3.4	130	124	1/2 "	0.5	0	39.00	0.16%
1B	RFS	APXVTMM14-C-120	RRH	2500 MHz	CDMA / LTE	20	2	40	5.9	130	124	1/2 "	0.5	0	138.69	0.57%
Sector total Power Density Value:																1.06%

Sector 2

Antenna Number	Antenna Make	Antenna Model	Radio Type	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain (10 db reduction)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss (dB)	ERP	Power Density Percentage
2a	RFS	APXVSPP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	2	40	5.9	130	124	1/2 "	0.5	0	138.69	0.32%
2a	RFS	APXVSPP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	3.4	130	124	1/2 "	0.5	0	39.00	0.16%
2B	RFS	APXVTMM14-C-120	RRH	2500 MHz	CDMA / LTE	20	2	40	5.9	130	124	1/2 "	0.5	0	138.69	0.57%
Sector total Power Density Value:																1.06%

Sector 3

Antenna Number	Antenna Make	Antenna Model	Radio Type	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain (10 db reduction)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss (dB)	ERP	Power Density Percentage
3a	RFS	APXVSPP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	2	40	5.9	130	124	1/2 "	0.5	0	138.69	0.32%
3a	RFS	APXVSPP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	3.4	130	124	1/2 "	0.5	0	39.00	0.16%
3B	RFS	APXVTMM14-C-120	RRH	2500 MHz	CDMA / LTE	20	2	40	5.9	130	124	1/2 "	0.5	0	138.69	0.57%
Sector total Power Density Value:																1.06%

Site Composite MPE %	
Carrier	MPE %
Sprint	3.17%
T-Mobile	0.46%
Verizon Wireless	39.16%
Westport Fire Dept	9.62%
AT&T	21.21%
Nextel	0.88%
FBI	2.04%
Westport Police Dept	4.18%
Westport Town Wide	0.32%
Total Site MPE %	81.04%

Summary

All calculations performed for this analysis yielded results that were well within the allowable limits for general public Maximum Permissible Exposure (MPE) to radio frequency energy.

The anticipated Maximum Composite contributions from the Sprint facility are **3.17% (1.06% from sector 1, 1.06% from sector 2 and 1.06% from sector 3)** of the allowable FCC established general public limit considering all three sectors simultaneously sampled at the ground level.

The anticipated composite MPE value for this site assuming all carriers present is **81.04%** of the allowable FCC established general public limit sampled at 6 feet above ground level. This total composite site value is based upon MPE values listed in the Connecticut Siting Council database for existing carrier emissions.

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



Scott Heffernan
RF Engineering Director

EBI Consulting
21 B Street
Burlington, MA 01803



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 140 ft Monopole
ATC Site Name : WSPT-Westport Rebuild CT, CT
ATC Site Number : 310968
Engineering Number : 58994821
Proposed Carrier : Sprint Nextel
Carrier Site Name : WSPT - Westport Rebuild CT
Carrier Site Number : CT58XC971
Site Location : 180A Bayberry Lane
Westport, CT 06880-2844
41.171667,-73.328467
County : Fairfield
Date : June 4, 2014
Max Usage : 100%
Result : Pass

Najaf Ali



Jun 4 2014 10:32 AM



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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 140 ft monopole to reflect the change in loading by Sprint Nextel.

Supporting Documents

Tower Drawings	PJF, Penn Summit Job #29204-0171, dated July 1, 2004
Foundation Drawing	PJF, Penn Summit Job #29204-0171, dated June 10, 2004
Geotechnical Report	GeoTechnologies Project #1-02-1190-EA, dated September 23, 2002

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/EIA-222.

Basic Wind Speed:	90 mph (Fastest Mile)
Basic Wind Speed w/ Ice:	78 mph (Fastest Mile)w/ 1/2" radial ice concurrent
Code:	ANSI/TIA/EIA-222-F / 2003 IBC , Sec. 1609.1.1, Exception (5) & Sec. 3108.4 w/ 2005 CT Supplement & 2009 CT Amendment

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.



Existing and Reserved Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
140.0	152.0	1	Commscope DB589-Y	10' Pipe	(2) 1 1/4" Coax (1) 1/2" Coax	Connecticut Light & Power
138.0	144.8	1	Andrew DB589	Platform w/ Handrails	(7) 7/8" Coax (3) 1 5/8" Coax (1) 1 1/4" Coax (1) EW90	American Messaging
	143.0	1	6' FM Antenna			Town Of Westport
	142.0	2	6' Omni			
		1	6' Dipole			
		2	8' Omni			
	141.0	1	Andrew VHLP2.5-10W			
	144.0	2	8' Omni			
134.0	1	8' Omni (inverted)				
130.0	130.0	3	Alcatel-Lucent 800MHz 2X50W RRH w/ Filter	Low Profile Platform	(3) 1 1/4" Hybriflex	Sprint Nextel
		3	Alcatel-Lucent 4x40W RRH			
		3	RFS APXVSP18-C-A20			
120.0	120.0	12	48" x 8" Panels	Low Profile Platform	(12) 1 1/4" Coax	
110.0	110.0	2	Diamond X50A	Low Profile Platform	(12) 1 5/8" Coax (2) 0.41" LMR-400 (1) 1 5/8" Hybriflex	Enertrac
		6	RFS FD9R6004/2C-3L			Verizon
		3	Alcatel-Lucent RRH2x40-AWS			
		3	Antel BXA-171063-8BF-EDIN-X			
		3	Antel BXA-171063-12CF-EDIN-X			
		1	RFS DB-T1-6Z-8AB-OZ			
		3	Antel BXA-70080/6CF			
		1	Antel BXA-70063/6CF			
		2	Powerwave P65-16-XL-2			
100.0	100.0	6	Powerwave LGP21901	Low Profile Platform	(12) 1 5/8" Coax (2) 0.74" 8 AWG 7 (1) 0.28" RG-6 (1) 3/8" Coax	AT&T Mobility
		6	Powerwave LGP21401			
		1	Raycap DC6-48-60-18-8F			
		6	Ericsson RRUS 11 (Band 12)			
		6	Powerwave 7770.00			
		3	Powerwave P65-16-XLH-RR			
87.0	87.0	3	RFS ATMAP1412D-1A20	Low Profile Platform	(12) 1 5/8" Coax (1) 1 1/4" Fiber	T-Mobile
		3	Ericsson AIR 21, 1.3M, B2A B4P			
		3	Ericsson AIR 21, 1.3M, B4A B2P			

Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
130.0	130.0	6	Decibel DB980F65E-M	-	(6) 1 5/8" Coax	Sprint Nextel

¹Mount elevation is defined as height above bottom of steel structure to the bottom of mount, RAD elevation is defined as center of antenna above ground level (AGL).

Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
130.0	130.0	3	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield	Low Profile Platform	(1) 1 1/4" Hybriflex	Sprint Nextel
		3	RFS APXV9TM14-ALU-I20			

¹Mount elevation is defined as height above bottom of steel structure to the bottom of mount, RAD elevation is defined as center of antenna above ground level (AGL).

Install proposed coax inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	93%	Pass
Shaft	100%	Pass
Base Plate	52%	Pass

Foundations

Reaction Component	Analysis Reactions
Moment (Kips-Ft)	3,231.8
Axial (Kips)	49.2
Shear (Kips)	31.2

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Deflection (ft)	Sway (Rotation) (°)
130.0	2.143	1.861

*Deflection and Sway was evaluated considering a design wind speed of 50 mph (Fastest Mile) per ANSI/TIA/EIA-222-F.



Standard Conditions

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessary limited, to:

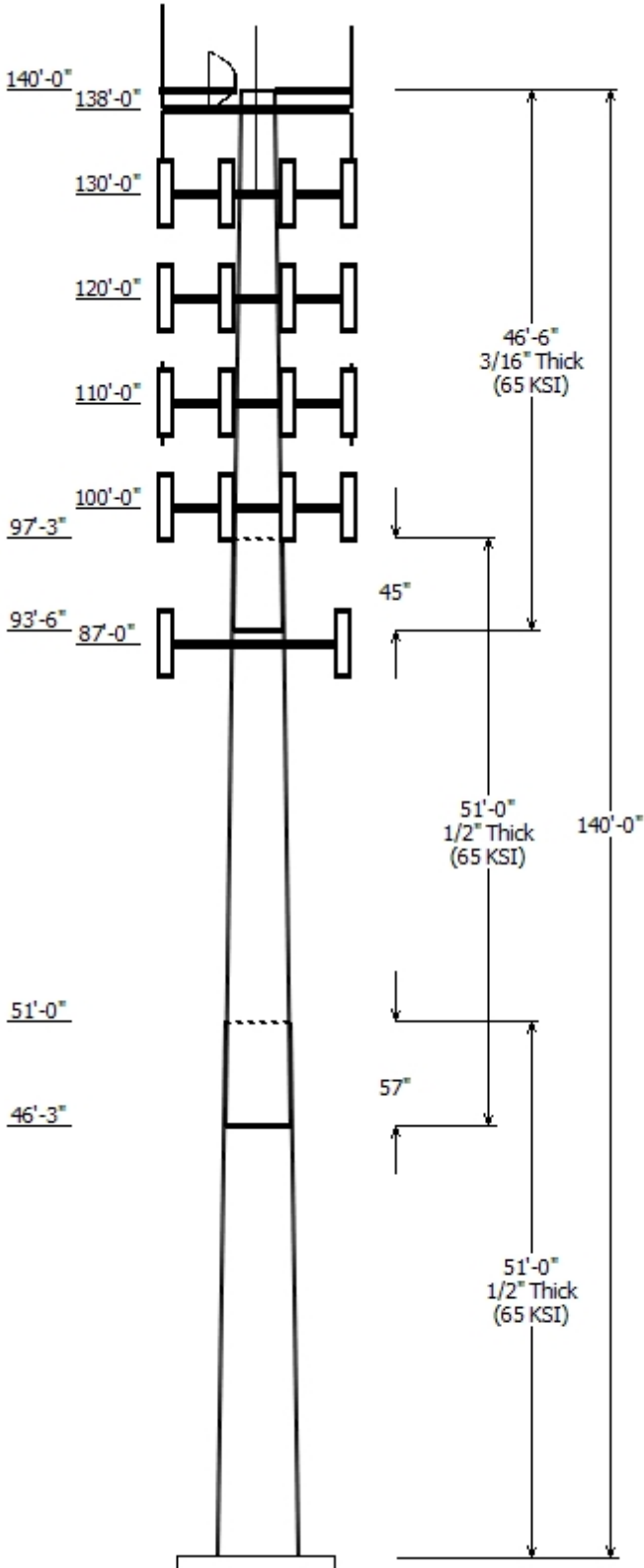
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of the structure.

It is the responsibility of the client to ensure that the information provided to ATC Tower Services, Inc. and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and that their capacity has not significantly changed from the "as new" condition.

Unless explicitly agreed by both the client and American Tower Corporation, all services will be performed in accordance with the current revision of ANSI/TIA -222. The design basic wind speed will be determined based on the minimum basic wind speed as prescribed in ANSI/TIA-222. Although every effort is taken to ensure that the loading considered is adequate to meet the requirements of all applicable regulatory entities, we can provide no assurance to meet any other local and state codes or requirements. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ATC Tower Services, Inc. is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

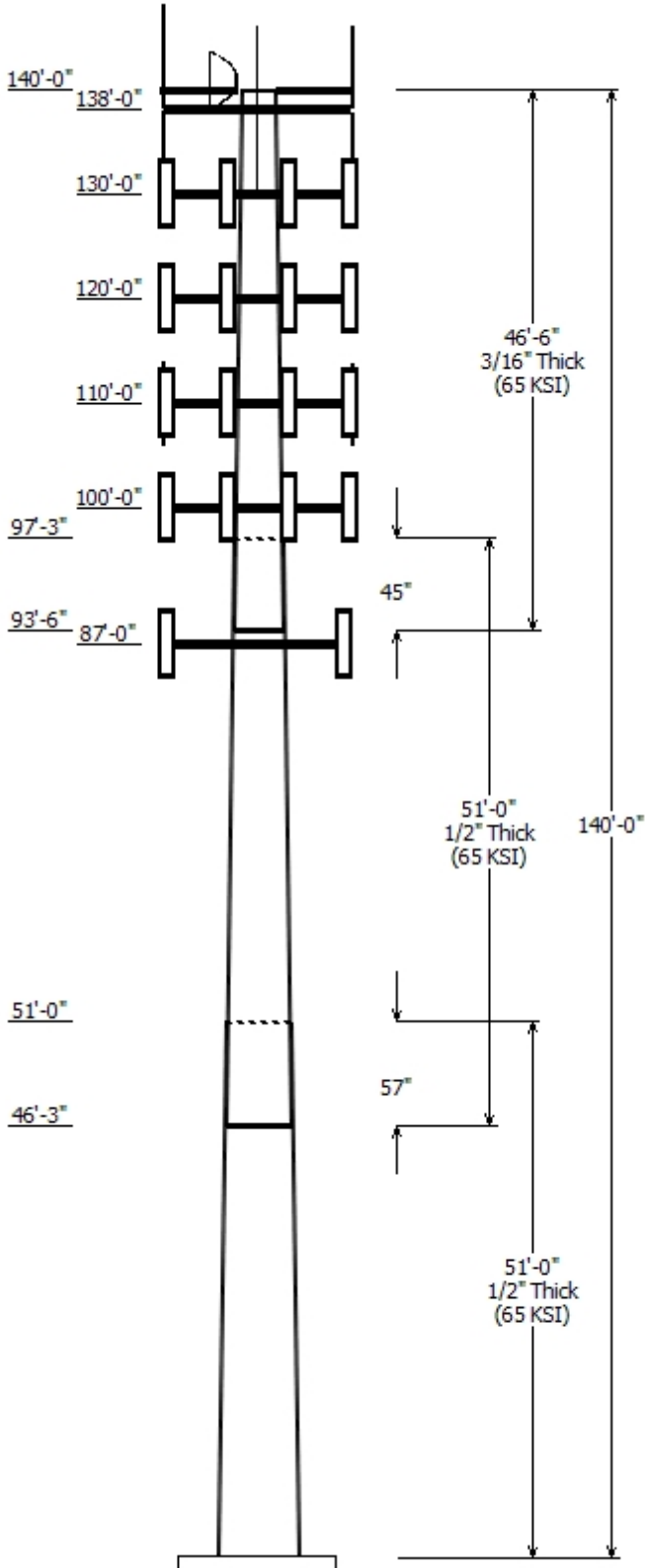
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Job Information	
Pole :	310968
Code :	TIA/EIA-222 Rev F
Description :	140 ft Summit Monopole
Client :	Sprint Nextel
Location :	WSPT-Westport Rebuild CT, CT
Shape :	18 Sides
Height :	140.00 (ft)
Base Elev (ft):	0.00
Taper:	0.20003(in/ft)

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
		Top	Bottom					
1	51.000	36.92	47.13	0.500		0.000	0.200036	65
2	51.000	28.67	38.87	0.500	Slip Joint	57.000	0.200036	65
3	46.500	20.50	29.80	0.188	Slip Joint	45.000	0.200036	65

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
140.000	147.000	1	Side Arm	
140.000	152.000	1	Commscope DB589-Y	
140.000	147.000	1	10' Pipe	
138.000	144.800	1	Andrew DB589	
138.000	134.000	1	8' Omni (inverted)	
138.000	141.000	1	Andrew VHLP2.5-10W	
138.000	138.000	1	Flat Platform w/ Handrails	
138.000	142.000	2	6' Omni	
138.000	142.000	2	8' Omni	
138.000	144.000	2	8' Omni	
138.000	143.000	1	6' FM Antenna	
138.000	142.000	1	6' Dipole	
130.000	130.000	3	RFS APXV9TM14-ALU-I20	
130.000	130.000	3	Alcatel-Lucent TD-RRH8x20-25	
130.000	130.000	3	Alcatel-Lucent 4x40W RRH	
130.000	130.000	3	Alcatel-Lucent 800 MHz 2X50W	
130.000	130.000	3	RFS APXVSP18-C-A20	
130.000	130.000	1	Flat Low Profile Platform	
120.000	120.000	1	Flat Low Profile Platform	
120.000	120.000	12	48" x 8" Panels	
110.000	110.000	3	Alcatel-Lucent RRH2x40-AWS	
110.000	110.000	1	RFS DB-T1-6Z-8AB-0Z	
110.000	110.000	3	Antel BXA-70080/6CF	
110.000	110.000	3	Antel BXA-171063-12CF-EDIN-X	
110.000	110.000	3	Antel BXA-171063-8BF-EDIN-X	
110.000	110.000	1	Antel BXA-70063/6CF	
110.000	110.000	6	RFS FD9R6004/2C-3L	
110.000	110.000	2	Powerwave P65-16-XL-2	
110.000	110.000	1	Round Low Profile Platform	
110.000	110.000	2	Diamond X50A	
100.000	100.000	6	Powerwave LGP21401	
100.000	100.000	6	Powerwave 7770.00	
100.000	100.000	1	Raycap DC6-48-60-18-8F	
100.000	100.000	3	Powerwave P65-16-XLH-RR	
100.000	100.000	6	Ericsson RRUS 11 (Band 12)	
100.000	100.000	6	Powerwave LGP21901	
100.000	100.000	1	Flat Low Profile Platform	
87.000	87.000	3	RFS ATM A P1412D-1A20	
87.000	87.000	3	Ericsson AIR 21, 1.3M, B2A B4P	
87.000	87.000	3	Ericsson AIR 21, 1.3M, B4A B2P	
87.000	87.000	1	Flat Low Profile Platform	

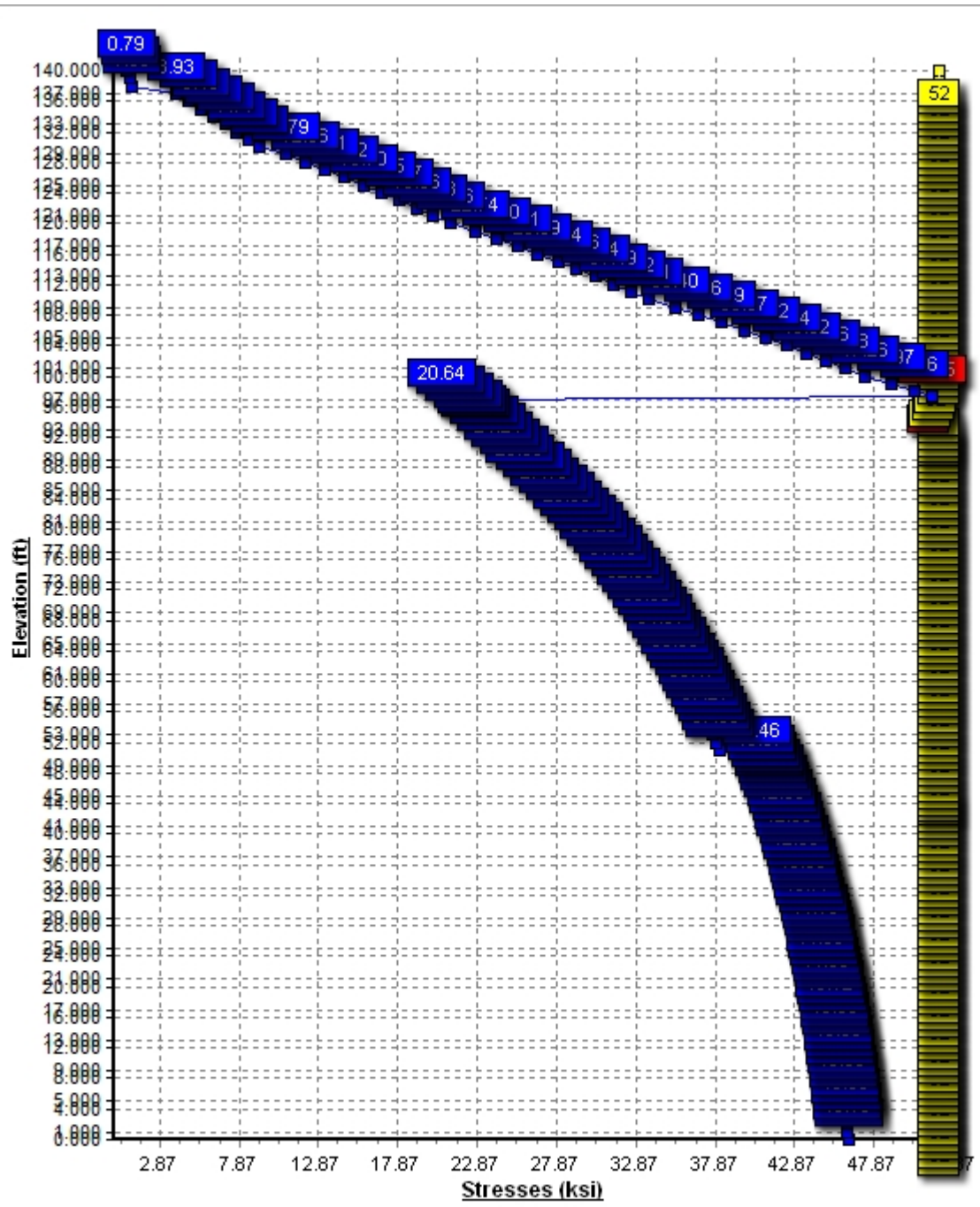


Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
5.000	87.000	1 1/4" Fiber	No
5.000	87.000	1 5/8" Coax	No
5.000	100.0	0.28" RG-6	No
5.000	100.0	0.74" 8 AWG 7	No
5.000	100.0	1 5/8" Coax	No
5.000	100.0	3/8" Coax	No
5.000	110.0	0.41" LMR-400	No
5.000	110.0	1 5/8" Coax	No
5.000	110.0	1 5/8" Hybriflex	No
5.000	120.0	1 1/4" Coax	No
5.000	130.0	1 1/4" Hybriflex	No
5.000	130.0	1 1/4" Hybriflex	No
5.000	138.0	1 1/4" Coax	No
5.000	138.0	1 5/8" Coax	No
5.000	138.0	7/8" Coax	No
5.000	138.0	7/8" Coax	No
5.000	138.0	EW90	No
5.000	140.0	1 1/4" Coax	No
5.000	140.0	1/2" Coax	No

Load Cases	
No Ice	90.00 mph Wind with No Ice
Ice	77.94 mph Wind with Ice
Twist/Sway	50.00 mph Wind with No Ice

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
No Ice	3231.85	31.22	41.85
Ice	2795.50	26.25	49.19
Twist/Sway	998.54	9.63	41.86

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
Twist/Sway	138.00	28.860	1.891

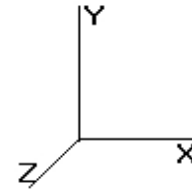


Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Page: 1

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Slip		Weight (lb)	Bottom						Top							
				Joint Type	Joint Len (in)		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 (in/ft)	
1-18	51.000	0.5000	65		0.00	11,437	47.13	0.00	74.00	20328.7	14.86	94.26	36.92	51.00	57.81	9692.3	11.26	73.86	0.200036	
2-18	51.000	0.5000	65	Slip	57.00	9,165	38.87	46.25	60.90	11333.7	11.95	77.76	28.67	97.25	44.71	4485.1	8.35	57.35	0.200036	
3-18	46.500	0.1875	65	Slip	45.00	2,351	29.80	93.50	17.62	1952.7	26.26	158.94	20.50	140.00	12.09	630.1	17.52	109.33	0.200036	
Shaft Weight						22,952														

Discrete Appurtenance Properties

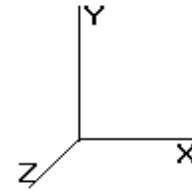
Attach Elev (ft)	Description	Qty	No Ice			Ice			Distance From Face (ft)	Vert Ecc (ft)
			Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor		
140.00	10' Pipe	1	752.00	5.000	1.00	900.00	6.750	1.00	0.000	7.000
140.00	Commscope DB589-Y	1	11.50	1.380	1.00	35.90	3.990	1.00	0.000	12.000
140.00	Side Arm	1	50.00	3.000	1.00	0.00	0.000	1.00	0.000	7.000
138.00	6' Dipole	1	20.00	2.220	1.00	39.30	3.000	1.00	0.000	4.000
138.00	6' FM Antenna	1	30.00	13.450	1.00	112.70	14.770	1.00	0.000	5.000
138.00	6' Omni	2	25.00	1.760	1.00	38.24	2.130	1.00	0.000	4.000
138.00	8' Omni	2	40.00	2.400	1.00	62.00	3.230	1.00	0.000	6.000
138.00	8' Omni	2	40.00	2.400	1.00	62.00	3.230	1.00	0.000	4.000
138.00	8' Omni (inverted)	1	40.00	2.400	1.00	62.00	3.230	1.00	0.000	-4.000
138.00	Andrew DB589	1	11.50	1.380	1.00	22.90	2.320	1.00	0.000	6.800
138.00	Andrew VHLP2.5-10W	1	47.60	8.430	1.00	97.00	8.920	1.00	0.000	3.000
138.00	Flat Platform w/ Handrails	1	1750.00	33.000	0.90	2,450.00	48.400	0.90	0.000	0.000
130.00	Alcatel-Lucent 4x40W RRH	3	91.00	3.830	0.50	122.40	4.230	0.50	0.000	0.000
130.00	Alcatel-Lucent 800 MHz	3	64.00	2.400	0.50	86.10	2.720	0.50	0.000	0.000
130.00	Alcatel-Lucent TD-RRH8x20-	3	60.00	4.720	0.50	82.70	4.430	0.50	0.000	0.000
130.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	1,700.00	31.600	1.00	0.000	0.000
130.00	RFS APXV9TM14-ALU-I20	3	55.10	6.890	0.65	92.40	6.340	0.65	0.000	0.000
130.00	RFS APXVSP18-C-A20	3	57.00	8.260	0.68	106.50	8.260	0.68	0.000	0.000
120.00	48" x 8" Panels	12	20.00	3.730	0.66	40.30	4.080	0.66	0.000	0.000
120.00	Flat Low Profile Platform	1	1500.00	26.100	0.90	1,700.00	31.600	0.90	0.000	0.000
110.00	Alcatel-Lucent RRH2x40-AWS	3	44.00	2.510	0.50	61.40	2.870	0.50	0.000	0.000
110.00	Antel BXA-171063-12CF-EDIN-	3	15.00	4.790	0.72	42.40	5.460	0.72	0.000	0.000
110.00	Antel BXA-171063-8BF-EDIN-X	3	10.50	2.940	0.71	29.30	3.410	0.71	0.000	0.000
110.00	Antel BXA-70063/6CF	1	14.90	7.740	0.65	58.00	8.540	0.65	0.000	0.000
110.00	Antel BXA-70080/6CF	3	18.08	5.840	0.72	54.09	6.500	0.72	0.000	0.000
110.00	Diamond X50A	2	2.30	1.120	1.00	57.20	1.630	1.00	0.000	0.000
110.00	Powerwave P65-16-XL-2	2	33.00	8.400	0.64	77.53	9.230	0.64	0.000	0.000
110.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	5.600	0.50	144.50	6.080	0.50	0.000	0.000
110.00	RFS FD9R6004/2C-3L	6	2.60	0.370	0.33	5.40	0.500	0.33	0.000	0.000
110.00	Round Low Profile Platform	1	1500.00	21.700	0.90	1,700.00	27.200	0.90	0.000	0.000
100.00	Ericsson RRUS 11 (Band 12)	6	55.00	2.940	0.50	74.30	3.290	0.50	0.000	0.000
100.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	1,700.00	31.600	1.00	0.000	0.000
100.00	Powerwave 7770.00	6	35.00	5.880	0.65	67.63	6.530	0.65	0.000	0.000
100.00	Powerwave LGP21401	6	14.10	1.290	0.33	21.26	1.530	0.33	0.000	0.000
100.00	Powerwave LGP21901	6	5.50	0.230	0.33	7.70	0.340	0.33	0.000	0.000
100.00	Powerwave P65-16-XLH-RR	3	53.00	8.400	0.50	100.20	9.220	0.50	0.000	0.000
100.00	Raycap DC6-48-60-18-8F	1	31.80	1.470	0.80	49.50	1.670	0.80	0.000	0.000
87.00	Ericsson AIR 21, 1.3M, B2A	3	83.00	6.530	0.69	132.60	7.200	0.69	0.000	0.000
87.00	Ericsson AIR 21, 1.3M, B4A	3	81.50	6.580	0.69	132.60	7.200	0.69	0.000	0.000
87.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	1,700.00	31.600	1.00	0.000	0.000
87.00	RFS ATMAP1412D-1A20	3	13.00	1.000	0.33	20.60	1.390	0.33	0.000	0.000
Totals		108	13432.64			17,796.93			Number of Loadings : 41	

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Linear Appurtenance Properties

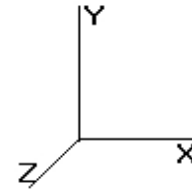
Elev From (ft)	Elev To (ft)	Description	No Ice		Ice		Exposed To Wind
			Weight (lb/ft)	CaAa (sf/ft)	Weight (lb/ft)	CaAa (sf/ft)	
5.00	140.00	(2) 1 1/4" Coax	1.26	0.00	0.00	0.00	N
5.00	140.00	(1) 1/2" Coax	0.15	0.00	0.00	0.00	N
5.00	138.00	(1) 1 1/4" Coax	0.63	0.00	0.00	0.00	N
5.00	138.00	(3) 1 5/8" Coax	2.46	0.00	0.00	0.00	N
5.00	138.00	(5) 7/8" Coax	1.98	0.00	0.00	0.00	N
5.00	138.00	(2) 7/8" Coax	0.66	0.00	0.00	0.00	N
5.00	138.00	(1) EW90	0.32	0.00	0.00	0.00	N
5.00	130.00	(3) 1 1/4" Hybriflex	3.00	0.00	0.00	0.00	N
5.00	130.00	(1) 1 1/4" Hybriflex	1.00	0.00	0.00	0.00	N
5.00	120.00	(12) 1 1/4" Coax	7.56	0.00	0.00	0.00	N
5.00	110.00	(2) 0.41" LMR-400	0.14	0.00	0.00	0.00	N
5.00	110.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
5.00	110.00	(1) 1 5/8" Hybriflex	1.30	0.00	0.00	0.00	N
5.00	100.00	(1) 0.28" RG-6	0.03	0.00	0.00	0.00	N
5.00	100.00	(2) 0.74" 8 AWG 7	0.98	0.00	0.00	0.00	N
5.00	100.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
5.00	100.00	(1) 3/8" Coax	0.08	0.00	0.00	0.00	N
5.00	87.00	(1) 1 1/4" Fiber	1.05	0.00	0.00	0.00	N
5.00	87.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
Total Weight			5,479.99 (lb)		0.00 (lb)		

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Segment Properties (Max Len : 1 ft)

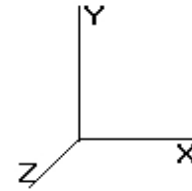
Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)
0.00		0.5000	47.130	73.999	20,328.7	14.86	94.26	65	52	0.0
1.00		0.5000	46.930	73.682	20,068.2	14.79	93.86	65	52	251.3
2.00		0.5000	46.730	73.364	19,810.0	14.72	93.46	65	52	250.2
3.00		0.5000	46.530	73.047	19,553.9	14.65	93.06	65	52	249.1
4.00		0.5000	46.330	72.729	19,300.1	14.58	92.66	65	52	248.0
5.00		0.5000	46.130	72.412	19,048.5	14.50	92.26	65	52	246.9
6.00		0.5000	45.930	72.094	18,799.1	14.43	91.86	65	52	245.9
7.00		0.5000	45.730	71.777	18,551.8	14.36	91.46	65	52	244.8
8.00		0.5000	45.530	71.460	18,306.8	14.29	91.06	65	52	243.7
9.00		0.5000	45.330	71.142	18,063.9	14.22	90.66	65	52	242.6
10.00		0.5000	45.130	70.825	17,823.2	14.15	90.26	65	52	241.5
11.00		0.5000	44.930	70.507	17,584.6	14.08	89.86	65	52	240.5
12.00		0.5000	44.730	70.190	17,348.1	14.01	89.46	65	52	239.4
13.00		0.5000	44.530	69.872	17,113.8	13.94	89.06	65	52	238.3
14.00		0.5000	44.330	69.555	16,881.6	13.87	88.66	65	52	237.2
15.00		0.5000	44.129	69.237	16,651.5	13.80	88.26	65	52	236.1
16.00		0.5000	43.929	68.920	16,423.5	13.73	87.86	65	52	235.1
17.00		0.5000	43.729	68.603	16,197.6	13.66	87.46	65	52	234.0
18.00		0.5000	43.529	68.285	15,973.8	13.59	87.06	65	52	232.9
19.00		0.5000	43.329	67.968	15,752.1	13.52	86.66	65	52	231.8
20.00		0.5000	43.129	67.650	15,532.4	13.45	86.26	65	52	230.7
21.00		0.5000	42.929	67.333	15,314.8	13.38	85.86	65	52	229.7
22.00		0.5000	42.729	67.015	15,099.2	13.31	85.46	65	52	228.6
23.00		0.5000	42.529	66.698	14,885.6	13.23	85.06	65	52	227.5
24.00		0.5000	42.329	66.380	14,674.1	13.16	84.66	65	52	226.4
25.00		0.5000	42.129	66.063	14,464.6	13.09	84.26	65	52	225.3
26.00		0.5000	41.929	65.746	14,257.1	13.02	83.86	65	52	224.3
27.00		0.5000	41.729	65.428	14,051.5	12.95	83.46	65	52	223.2
28.00		0.5000	41.529	65.111	13,848.0	12.88	83.06	65	52	222.1
29.00		0.5000	41.329	64.793	13,646.4	12.81	82.66	65	52	221.0
30.00		0.5000	41.129	64.476	13,446.8	12.74	82.26	65	52	219.9
31.00		0.5000	40.929	64.158	13,249.2	12.67	81.86	65	52	218.9
32.00		0.5000	40.729	63.841	13,053.5	12.60	81.46	65	52	217.8
33.00		0.5000	40.529	63.523	12,859.8	12.53	81.06	65	52	216.7
34.00		0.5000	40.329	63.206	12,667.9	12.46	80.66	65	52	215.6
35.00		0.5000	40.129	62.889	12,478.0	12.39	80.26	65	52	214.5
36.00		0.5000	39.929	62.571	12,290.0	12.32	79.86	65	52	213.5
37.00		0.5000	39.729	62.254	12,103.9	12.25	79.46	65	52	212.4
38.00		0.5000	39.529	61.936	11,919.7	12.18	79.06	65	52	211.3
39.00		0.5000	39.329	61.619	11,737.3	12.11	78.66	65	52	210.2
40.00		0.5000	39.129	61.301	11,556.9	12.04	78.26	65	52	209.1
41.00		0.5000	38.929	60.984	11,378.3	11.97	77.86	65	52	208.1
42.00		0.5000	38.729	60.666	11,201.5	11.89	77.46	65	52	207.0
43.00		0.5000	38.528	60.349	11,026.6	11.82	77.06	65	52	205.9
44.00		0.5000	38.328	60.032	10,853.5	11.75	76.66	65	52	204.8
45.00		0.5000	38.128	59.714	10,682.2	11.68	76.26	65	52	203.7
46.00		0.5000	37.928	59.397	10,512.8	11.61	75.86	65	52	202.7
46.25	Bot - Section 2	0.5000	37.878	59.317	10,470.7	11.59	75.76	65	52	50.5
47.00		0.5000	37.728	59.079	10,345.1	11.54	75.46	65	52	306.2
48.00		0.5000	37.528	58.762	10,179.2	11.47	75.06	65	52	406.4
49.00		0.5000	37.328	58.444	10,015.2	11.40	74.66	65	52	404.2
50.00		0.5000	37.128	58.127	9,852.8	11.33	74.26	65	52	402.1
51.00	Top - Section 1	0.5000	37.928	59.396	10,512.6	11.61	75.86	65	52	399.9
52.00		0.5000	37.728	59.079	10,345.0	11.54	75.46	65	52	201.6
53.00		0.5000	37.528	58.761	10,179.1	11.47	75.06	65	52	200.5
54.00		0.5000	37.328	58.444	10,015.0	11.40	74.66	65	52	199.4
55.00		0.5000	37.128	58.127	9,852.7	11.33	74.26	65	52	198.3
56.00		0.5000	36.928	57.809	9,692.2	11.26	73.86	65	52	197.3

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
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57.00		0.5000	36.728	57.492	9,533.4	11.19	73.46	65	52	196.2
58.00		0.5000	36.528	57.174	9,376.3	11.12	73.06	65	52	195.1
59.00		0.5000	36.328	56.857	9,221.0	11.05	72.66	65	52	194.0
60.00		0.5000	36.128	56.539	9,067.4	10.98	72.26	65	52	192.9
61.00		0.5000	35.928	56.222	8,915.5	10.91	71.86	65	52	191.9
62.00		0.5000	35.728	55.904	8,765.4	10.84	71.46	65	52	190.8
63.00		0.5000	35.528	55.587	8,616.9	10.77	71.06	65	52	189.7
64.00		0.5000	35.328	55.270	8,470.1	10.70	70.66	65	52	188.6
65.00		0.5000	35.128	54.952	8,325.0	10.62	70.26	65	52	187.5
66.00		0.5000	34.928	54.635	8,181.6	10.55	69.86	65	52	186.4
67.00		0.5000	34.728	54.317	8,039.8	10.48	69.46	65	52	185.4
68.00		0.5000	34.528	54.000	7,899.6	10.41	69.06	65	52	184.3
69.00		0.5000	34.328	53.682	7,761.1	10.34	68.66	65	52	183.2
70.00		0.5000	34.128	53.365	7,624.3	10.27	68.26	65	52	182.1
71.00		0.5000	33.927	53.047	7,489.0	10.20	67.85	65	52	181.0
72.00		0.5000	33.727	52.730	7,355.4	10.13	67.45	65	52	180.0
73.00		0.5000	33.527	52.413	7,223.3	10.06	67.05	65	52	178.9
74.00		0.5000	33.327	52.095	7,092.9	9.99	66.65	65	52	177.8
75.00		0.5000	33.127	51.778	6,964.0	9.92	66.25	65	52	176.7
76.00		0.5000	32.927	51.460	6,836.7	9.85	65.85	65	52	175.6
77.00		0.5000	32.727	51.143	6,711.0	9.78	65.45	65	52	174.6
78.00		0.5000	32.527	50.825	6,586.8	9.71	65.05	65	52	173.5
79.00		0.5000	32.327	50.508	6,464.1	9.64	64.65	65	52	172.4
80.00		0.5000	32.127	50.190	6,343.0	9.57	64.25	65	52	171.3
81.00		0.5000	31.927	49.873	6,223.4	9.50	63.85	65	52	170.2
82.00		0.5000	31.727	49.556	6,105.3	9.43	63.45	65	52	169.2
83.00		0.5000	31.527	49.238	5,988.7	9.35	63.05	65	52	168.1
84.00		0.5000	31.327	48.921	5,873.7	9.28	62.65	65	52	167.0
85.00		0.5000	31.127	48.603	5,760.0	9.21	62.25	65	52	165.9
86.00		0.5000	30.927	48.286	5,647.9	9.14	61.85	65	52	164.8
87.00		0.5000	30.727	47.968	5,537.3	9.07	61.45	65	52	163.8
88.00		0.5000	30.527	47.651	5,428.1	9.00	61.05	65	52	162.7
89.00		0.5000	30.327	47.333	5,320.3	8.93	60.65	65	52	161.6
90.00		0.5000	30.127	47.016	5,214.0	8.86	60.25	65	52	160.5
91.00		0.5000	29.927	46.699	5,109.1	8.79	59.85	65	52	159.4
92.00		0.5000	29.727	46.381	5,005.6	8.72	59.45	65	52	158.4
93.00		0.5000	29.527	46.064	4,903.5	8.65	59.05	65	52	157.3
93.50	Bot - Section 3	0.5000	29.427	45.905	4,853.0	8.61	58.85	65	52	78.2
94.00		0.5000	29.327	45.746	4,802.8	8.58	58.65	65	52	107.9
95.00		0.5000	29.127	45.429	4,703.5	8.51	58.25	65	52	214.7
96.00		0.5000	28.927	45.111	4,605.6	8.44	57.85	65	52	213.2
97.00		0.5000	28.727	44.794	4,509.1	8.37	57.45	65	52	211.7
97.25	Top - Section 2	0.1875	29.052	17.177	1,808.1	25.56	154.94	65	51	52.7
98.00		0.1875	28.902	17.088	1,780.0	25.42	154.14	65	51	43.7
99.00		0.1875	28.701	16.969	1,743.1	25.23	153.07	65	52	57.9
100.0		0.1875	28.501	16.850	1,706.7	25.04	152.01	65	52	57.5
101.0		0.1875	28.301	16.731	1,670.7	24.85	150.94	65	52	57.1
102.0		0.1875	28.101	16.612	1,635.3	24.66	149.87	65	52	56.7
103.0		0.1875	27.901	16.493	1,600.4	24.48	148.81	65	52	56.3
104.0		0.1875	27.701	16.374	1,566.0	24.29	147.74	65	52	55.9
105.0		0.1875	27.501	16.255	1,532.1	24.10	146.67	65	52	55.5
106.0		0.1875	27.301	16.135	1,498.7	23.91	145.61	65	52	55.1
107.0		0.1875	27.101	16.016	1,465.8	23.72	144.54	65	52	54.7
108.0		0.1875	26.901	15.897	1,433.3	23.53	143.47	65	52	54.3
109.0		0.1875	26.701	15.778	1,401.4	23.35	142.41	65	52	53.9
110.0		0.1875	26.501	15.659	1,369.9	23.16	141.34	65	52	53.5
111.0		0.1875	26.301	15.540	1,338.9	22.97	140.27	65	52	53.1
112.0		0.1875	26.101	15.421	1,308.3	22.78	139.21	65	52	52.7
113.0		0.1875	25.901	15.302	1,278.3	22.59	138.14	65	52	52.3
114.0		0.1875	25.701	15.183	1,248.7	22.41	137.07	65	52	51.9
115.0		0.1875	25.501	15.064	1,219.5	22.22	136.00	65	52	51.5
116.0		0.1875	25.301	14.945	1,190.9	22.03	134.94	65	52	51.1
117.0		0.1875	25.101	14.826	1,162.6	21.84	133.87	65	52	50.7
118.0		0.1875	24.901	14.707	1,134.8	21.65	132.80	65	52	50.2

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

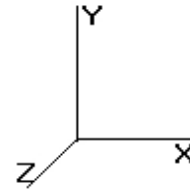
Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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119.0	0.1875	24.701	14.588	1,107.5	21.47	131.74	65	52	49.8
120.0	0.1875	24.501	14.469	1,080.6	21.28	130.67	65	52	49.4
121.0	0.1875	24.301	14.350	1,054.2	21.09	129.60	65	52	49.0
122.0	0.1875	24.101	14.231	1,028.1	20.90	128.54	65	52	48.6
123.0	0.1875	23.901	14.112	1,002.6	20.71	127.47	65	52	48.2
124.0	0.1875	23.701	13.993	977.4	20.52	126.40	65	52	47.8
125.0	0.1875	23.501	13.874	952.7	20.34	125.34	65	52	47.4
126.0	0.1875	23.300	13.755	928.4	20.15	124.27	65	52	47.0
127.0	0.1875	23.100	13.636	904.5	19.96	123.20	65	52	46.6
128.0	0.1875	22.900	13.517	881.0	19.77	122.14	65	52	46.2
129.0	0.1875	22.700	13.398	857.9	19.58	121.07	65	52	45.8
130.0	0.1875	22.500	13.278	835.2	19.40	120.00	65	52	45.4
131.0	0.1875	22.300	13.159	813.0	19.21	118.94	65	52	45.0
132.0	0.1875	22.100	13.040	791.1	19.02	117.87	65	52	44.6
133.0	0.1875	21.900	12.921	769.6	18.83	116.80	65	52	44.2
134.0	0.1875	21.700	12.802	748.6	18.64	115.73	65	52	43.8
135.0	0.1875	21.500	12.683	727.9	18.46	114.67	65	52	43.4
136.0	0.1875	21.300	12.564	707.6	18.27	113.60	65	52	43.0
137.0	0.1875	21.100	12.445	687.7	18.08	112.53	65	52	42.6
138.0	0.1875	20.900	12.326	668.1	17.89	111.47	65	52	42.1
139.0	0.1875	20.700	12.207	648.9	17.70	110.40	65	52	41.7
140.0	0.1875	20.500	12.088	630.1	17.52	109.33	65	52	41.3

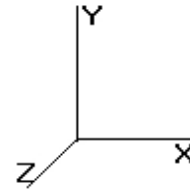
22,952.4

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: No Ice	90.00 mph Wind with No Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Shaft Segment Forces

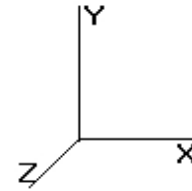
Seg Top Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		0.00	1.00	20.736	35.04	353.47	0.650	0.000	0.00	0.000	0.00	0.0	0.0	
1.00		0.00	1.00	20.736	35.04	351.97	0.650	0.000	1.00	3.919	2.55	89.3	0.0	251.3
2.00		0.00	1.00	20.736	35.04	350.47	0.650	0.000	1.00	3.902	2.54	88.9	0.0	250.2
3.00		0.00	1.00	20.736	35.04	348.97	0.650	0.000	1.00	3.886	2.53	88.5	0.0	249.1
4.00		0.00	1.00	20.736	35.04	347.47	0.650	0.000	1.00	3.869	2.51	88.1	0.0	248.0
5.00		0.00	1.00	20.736	35.04	345.97	0.650	0.000	1.00	3.852	2.50	87.8	0.0	246.9
6.00		0.00	1.00	20.736	35.04	344.47	0.650	0.000	1.00	3.836	2.49	87.4	0.0	245.9
7.00		0.00	1.00	20.736	35.04	342.97	0.650	0.000	1.00	3.819	2.48	87.0	0.0	244.8
8.00		0.00	1.00	20.736	35.04	341.47	0.650	0.000	1.00	3.802	2.47	86.6	0.0	243.7
9.00		0.00	1.00	20.736	35.04	339.97	0.650	0.000	1.00	3.786	2.46	86.2	0.0	242.6
10.00		0.00	1.00	20.736	35.04	338.47	0.650	0.000	1.00	3.769	2.45	85.9	0.0	241.5
11.00		0.00	1.00	20.736	35.04	336.97	0.650	0.000	1.00	3.752	2.44	85.5	0.0	240.5
12.00		0.00	1.00	20.736	35.04	335.47	0.650	0.000	1.00	3.736	2.43	85.1	0.0	239.4
13.00		0.00	1.00	20.736	35.04	333.97	0.650	0.000	1.00	3.719	2.42	84.7	0.0	238.3
14.00		0.00	1.00	20.736	35.04	332.47	0.650	0.000	1.00	3.702	2.41	84.3	0.0	237.2
15.00		0.00	1.00	20.736	35.04	330.97	0.650	0.000	1.00	3.686	2.40	84.0	0.0	236.1
16.00		0.00	1.00	20.736	35.04	329.47	0.650	0.000	1.00	3.669	2.38	83.6	0.0	235.1
17.00		0.00	1.00	20.736	35.04	327.97	0.650	0.000	1.00	3.652	2.37	83.2	0.0	234.0
18.00		0.00	1.00	20.736	35.04	326.47	0.650	0.000	1.00	3.636	2.36	82.8	0.0	232.9
19.00		0.00	1.00	20.736	35.04	324.97	0.650	0.000	1.00	3.619	2.35	82.4	0.0	231.8
20.00		0.00	1.00	20.736	35.04	323.47	0.650	0.000	1.00	3.602	2.34	82.1	0.0	230.7
21.00		0.00	1.00	20.736	35.04	321.96	0.650	0.000	1.00	3.586	2.33	81.7	0.0	229.7
22.00		0.00	1.00	20.736	35.04	320.46	0.650	0.000	1.00	3.569	2.32	81.3	0.0	228.6
23.00		0.00	1.00	20.736	35.04	318.96	0.650	0.000	1.00	3.552	2.31	80.9	0.0	227.5
24.00		0.00	1.00	20.736	35.04	317.46	0.650	0.000	1.00	3.536	2.30	80.5	0.0	226.4
25.00		0.00	1.00	20.736	35.04	315.96	0.650	0.000	1.00	3.519	2.29	80.2	0.0	225.3
26.00		0.00	1.00	20.736	35.04	314.46	0.650	0.000	1.00	3.502	2.28	79.8	0.0	224.3
27.00		0.00	1.00	20.736	35.04	312.96	0.650	0.000	1.00	3.486	2.27	79.4	0.0	223.2
28.00		0.00	1.00	20.736	35.04	311.46	0.650	0.000	1.00	3.469	2.25	79.0	0.0	222.1
29.00		0.00	1.00	20.736	35.04	309.96	0.650	0.000	1.00	3.452	2.24	78.6	0.0	221.0
30.00		0.00	1.00	20.736	35.04	308.46	0.650	0.000	1.00	3.436	2.23	78.3	0.0	219.9
31.00		0.00	1.00	20.736	35.04	306.96	0.650	0.000	1.00	3.419	2.22	77.9	0.0	218.9
32.00		0.00	1.00	20.736	35.04	305.46	0.650	0.000	1.00	3.402	2.21	77.5	0.0	217.8
33.00		0.00	1.00	20.736	35.04	303.96	0.650	0.000	1.00	3.386	2.20	77.1	0.0	216.7
34.00		0.00	1.00	20.914	35.34	303.75	0.650	0.000	1.00	3.369	2.19	77.4	0.0	215.6
35.00		0.00	1.01	21.088	35.63	303.50	0.650	0.000	1.00	3.352	2.18	77.7	0.0	214.5
36.00		0.00	1.02	21.258	35.92	303.21	0.650	0.000	1.00	3.336	2.17	77.9	0.0	213.5
37.00		0.00	1.03	21.425	36.20	302.87	0.650	0.000	1.00	3.319	2.16	78.1	0.0	212.4
38.00		0.00	1.04	21.589	36.48	302.50	0.650	0.000	1.00	3.302	2.15	78.3	0.0	211.3
39.00		0.00	1.04	21.750	36.75	302.08	0.650	0.000	1.00	3.286	2.14	78.5	0.0	210.2
40.00		0.00	1.05	21.908	37.02	301.64	0.650	0.000	1.00	3.269	2.12	78.7	0.0	209.1
41.00		0.00	1.06	22.063	37.28	301.15	0.650	0.000	1.00	3.252	2.11	78.8	0.0	208.1
42.00		0.00	1.07	22.215	37.54	300.64	0.650	0.000	1.00	3.236	2.10	79.0	0.0	207.0
43.00		0.00	1.07	22.365	37.79	300.09	0.650	0.000	1.00	3.219	2.09	79.1	0.0	205.9
44.00		0.00	1.08	22.512	38.04	299.52	0.650	0.000	1.00	3.202	2.08	79.2	0.0	204.8
45.00		0.00	1.09	22.657	38.29	298.91	0.650	0.000	1.00	3.186	2.07	79.3	0.0	203.7
46.00		0.00	1.10	22.800	38.53	298.28	0.650	0.000	1.00	3.169	2.06	79.4	0.0	202.7
46.25	Bot - Section 2	0.00	1.10	22.835	38.59	298.12	0.650	0.000	0.25	0.790	0.51	19.8	0.0	50.5
47.00		0.00	1.10	22.941	38.77	297.62	0.650	0.000	0.75	2.425	1.58	61.1	0.0	306.2
48.00		0.00	1.11	23.079	39.00	296.93	0.650	0.000	1.00	3.219	2.09	81.6	0.0	406.4
49.00		0.00	1.12	23.215	39.23	296.22	0.650	0.000	1.00	3.202	2.08	81.7	0.0	404.2

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: No Ice	90.00 mph Wind with No Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

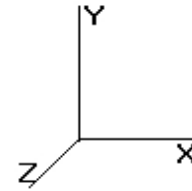
50.00		0.00	1.12	23.350	39.46	295.49	0.650	0.000	1.00	3.186	2.07	81.7	0.0	402.1
51.00	Top - Section 1	0.00	1.13	23.482	39.68	294.73	0.650	0.000	1.00	3.169	2.06	81.7	0.0	399.9
52.00		0.00	1.13	23.613	39.90	301.95	0.650	0.000	1.00	3.152	2.05	81.8	0.0	201.6
53.00		0.00	1.14	23.742	40.12	301.17	0.650	0.000	1.00	3.136	2.04	81.8	0.0	200.5
54.00		0.00	1.15	23.869	40.33	300.36	0.650	0.000	1.00	3.119	2.03	81.8	0.0	199.4
55.00		0.00	1.15	23.994	40.55	299.54	0.650	0.000	1.00	3.102	2.02	81.8	0.0	198.3
56.00		0.00	1.16	24.118	40.76	298.69	0.650	0.000	1.00	3.086	2.01	81.8	0.0	197.3
57.00		0.00	1.16	24.241	40.96	297.82	0.650	0.000	1.00	3.069	1.99	81.7	0.0	196.2
58.00		0.00	1.17	24.361	41.17	296.94	0.650	0.000	1.00	3.052	1.98	81.7	0.0	195.1
59.00		0.00	1.18	24.481	41.37	296.04	0.650	0.000	1.00	3.036	1.97	81.6	0.0	194.0
60.00		0.00	1.18	24.598	41.57	295.11	0.650	0.000	1.00	3.019	1.96	81.6	0.0	192.9
61.00		0.00	1.19	24.715	41.76	294.17	0.650	0.000	1.00	3.002	1.95	81.5	0.0	191.9
62.00		0.00	1.19	24.830	41.96	293.21	0.650	0.000	1.00	2.986	1.94	81.4	0.0	190.8
63.00		0.00	1.20	24.944	42.15	292.24	0.650	0.000	1.00	2.969	1.93	81.4	0.0	189.7
64.00		0.00	1.20	25.056	42.34	291.25	0.650	0.000	1.00	2.952	1.92	81.3	0.0	188.6
65.00		0.00	1.21	25.167	42.53	290.24	0.650	0.000	1.00	2.936	1.91	81.2	0.0	187.5
66.00		0.00	1.21	25.277	42.71	289.22	0.650	0.000	1.00	2.919	1.90	81.1	0.0	186.4
67.00		0.00	1.22	25.386	42.90	288.18	0.650	0.000	1.00	2.902	1.89	80.9	0.0	185.4
68.00		0.00	1.22	25.494	43.08	287.13	0.650	0.000	1.00	2.886	1.88	80.8	0.0	184.3
69.00		0.00	1.23	25.601	43.26	286.06	0.650	0.000	1.00	2.869	1.86	80.7	0.0	183.2
70.00		0.00	1.24	25.706	43.44	284.98	0.650	0.000	1.00	2.852	1.85	80.5	0.0	182.1
71.00		0.00	1.24	25.810	43.62	283.88	0.650	0.000	1.00	2.836	1.84	80.4	0.0	181.0
72.00		0.00	1.25	25.914	43.79	282.77	0.650	0.000	1.00	2.819	1.83	80.2	0.0	180.0
73.00		0.00	1.25	26.016	43.96	281.65	0.650	0.000	1.00	2.802	1.82	80.1	0.0	178.9
74.00		0.00	1.26	26.117	44.13	280.52	0.650	0.000	1.00	2.786	1.81	79.9	0.0	177.8
75.00		0.00	1.26	26.218	44.30	279.37	0.650	0.000	1.00	2.769	1.80	79.7	0.0	176.7
76.00		0.00	1.26	26.317	44.47	278.21	0.650	0.000	1.00	2.752	1.79	79.6	0.0	175.6
77.00		0.00	1.27	26.416	44.64	277.03	0.650	0.000	1.00	2.736	1.78	79.4	0.0	174.6
78.00		0.00	1.27	26.513	44.80	275.85	0.650	0.000	1.00	2.719	1.77	79.2	0.0	173.5
79.00		0.00	1.28	26.610	44.97	274.65	0.650	0.000	1.00	2.702	1.76	79.0	0.0	172.4
80.00		0.00	1.28	26.706	45.13	273.44	0.650	0.000	1.00	2.686	1.75	78.8	0.0	171.3
81.00		0.00	1.29	26.801	45.29	272.22	0.650	0.000	1.00	2.669	1.73	78.6	0.0	170.2
82.00		0.00	1.29	26.895	45.45	270.99	0.650	0.000	1.00	2.652	1.72	78.4	0.0	169.2
83.00		0.00	1.30	26.988	45.61	269.75	0.650	0.000	1.00	2.636	1.71	78.1	0.0	168.1
84.00		0.00	1.30	27.081	45.76	268.50	0.650	0.000	1.00	2.619	1.70	77.9	0.0	167.0
85.00		0.00	1.31	27.172	45.92	267.23	0.650	0.000	1.00	2.602	1.69	77.7	0.0	165.9
86.00		0.00	1.31	27.263	46.07	265.96	0.650	0.000	1.00	2.586	1.68	77.4	0.0	164.8
87.00	Appertunance(s)	0.00	1.31	27.353	46.22	264.68	0.650	0.000	1.00	2.569	1.67	77.2	0.0	163.8
88.00		0.00	1.32	27.443	46.37	263.38	0.650	0.000	1.00	2.552	1.66	76.9	0.0	162.7
89.00		0.00	1.32	27.532	46.52	262.08	0.650	0.000	1.00	2.536	1.65	76.7	0.0	161.6
90.00		0.00	1.33	27.620	46.67	260.77	0.650	0.000	1.00	2.519	1.64	76.4	0.0	160.5
91.00		0.00	1.33	27.707	46.82	259.45	0.650	0.000	1.00	2.502	1.63	76.2	0.0	159.4
92.00		0.00	1.34	27.794	46.97	258.11	0.650	0.000	1.00	2.486	1.62	75.9	0.0	158.4
93.00		0.00	1.34	27.880	47.11	256.77	0.650	0.000	1.00	2.469	1.60	75.6	0.0	157.3
93.50	Bot - Section 3	0.00	1.34	27.922	47.18	256.10	0.650	0.000	0.50	1.228	0.80	37.7	0.0	78.2
94.00		0.00	1.34	27.965	47.26	255.42	0.650	0.000	0.50	1.240	0.81	38.1	0.0	107.9
95.00		0.00	1.35	28.050	47.40	254.07	0.650	0.000	1.00	2.467	1.60	76.0	0.0	214.7
96.00		0.00	1.35	28.134	47.54	252.70	0.650	0.000	1.00	2.450	1.59	75.7	0.0	213.2
97.00		0.00	1.36	28.217	47.68	251.32	0.650	0.000	1.00	2.433	1.58	75.4	0.0	211.7
97.25	Top - Section 2	0.00	1.36	28.238	47.72	250.98	0.650	0.000	0.25	0.606	0.39	18.8	0.0	52.7
98.00		0.00	1.36	28.300	47.82	253.22	0.650	0.000	0.75	1.811	1.18	56.3	0.0	43.7
99.00		0.00	1.36	28.382	47.96	251.84	0.650	0.000	1.00	2.400	1.56	74.8	0.0	57.9
100.0	Appertunance(s)	0.00	1.37	28.464	48.10	250.44	0.650	0.000	1.00	2.383	1.55	74.5	0.0	57.5
101.0		0.00	1.37	28.545	48.24	249.04	0.650	0.000	1.00	2.367	1.54	74.2	0.0	57.1
102.0		0.00	1.38	28.625	48.37	247.62	0.650	0.000	1.00	2.350	1.53	73.9	0.0	56.7
103.0		0.00	1.38	28.705	48.51	246.20	0.650	0.000	1.00	2.333	1.52	73.6	0.0	56.3
104.0		0.00	1.38	28.785	48.64	244.78	0.650	0.000	1.00	2.317	1.51	73.3	0.0	55.9

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: No Ice	90.00 mph Wind with No Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

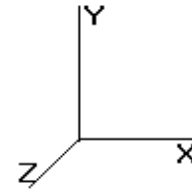
105.0	0.00	1.39	28.863	48.77	243.34	0.650	0.000	1.00	2.300	1.50	72.9	0.0	55.5	
106.0	0.00	1.39	28.942	48.91	241.90	0.650	0.000	1.00	2.283	1.48	72.6	0.0	55.1	
107.0	0.00	1.39	29.019	49.04	240.45	0.650	0.000	1.00	2.267	1.47	72.3	0.0	54.7	
108.0	0.00	1.40	29.097	49.17	238.99	0.650	0.000	1.00	2.250	1.46	71.9	0.0	54.3	
109.0	0.00	1.40	29.173	49.30	237.53	0.650	0.000	1.00	2.233	1.45	71.6	0.0	53.9	
110.0	Appertunance(s)	0.00	1.41	29.250	49.43	236.06	0.650	0.000	1.00	2.217	1.44	71.2	0.0	53.5
111.0	0.00	1.41	29.325	49.56	234.58	0.650	0.000	1.00	2.200	1.43	70.9	0.0	53.1	
112.0	0.00	1.41	29.401	49.68	233.09	0.650	0.000	1.00	2.183	1.42	70.5	0.0	52.7	
113.0	0.00	1.42	29.475	49.81	231.60	0.650	0.000	1.00	2.167	1.41	70.2	0.0	52.3	
114.0	0.00	1.42	29.550	49.93	230.10	0.650	0.000	1.00	2.150	1.40	69.8	0.0	51.9	
115.0	0.00	1.42	29.623	50.06	228.59	0.650	0.000	1.00	2.133	1.39	69.4	0.0	51.5	
116.0	0.00	1.43	29.697	50.18	227.08	0.650	0.000	1.00	2.117	1.38	69.1	0.0	51.1	
117.0	0.00	1.43	29.770	50.31	225.56	0.650	0.000	1.00	2.100	1.37	68.7	0.0	50.7	
118.0	0.00	1.43	29.842	50.43	224.04	0.650	0.000	1.00	2.083	1.35	68.3	0.0	50.2	
119.0	0.00	1.44	29.914	50.55	222.50	0.650	0.000	1.00	2.067	1.34	67.9	0.0	49.8	
120.0	Appertunance(s)	0.00	1.44	29.986	50.67	220.97	0.650	0.000	1.00	2.050	1.33	67.5	0.0	49.4
121.0	0.00	1.45	30.057	50.79	219.42	0.650	0.000	1.00	2.033	1.32	67.1	0.0	49.0	
122.0	0.00	1.45	30.128	50.91	217.87	0.650	0.000	1.00	2.017	1.31	66.7	0.0	48.6	
123.0	0.00	1.45	30.198	51.03	216.32	0.650	0.000	1.00	2.000	1.30	66.3	0.0	48.2	
124.0	0.00	1.46	30.268	51.15	214.75	0.650	0.000	1.00	1.983	1.29	65.9	0.0	47.8	
125.0	0.00	1.46	30.338	51.27	213.19	0.650	0.000	1.00	1.967	1.28	65.5	0.0	47.4	
126.0	0.00	1.46	30.407	51.38	211.61	0.650	0.000	1.00	1.950	1.27	65.1	0.0	47.0	
127.0	0.00	1.47	30.475	51.50	210.03	0.650	0.000	1.00	1.933	1.26	64.7	0.0	46.6	
128.0	0.00	1.47	30.544	51.61	208.45	0.650	0.000	1.00	1.917	1.25	64.3	0.0	46.2	
129.0	0.00	1.47	30.612	51.73	206.86	0.650	0.000	1.00	1.900	1.24	63.9	0.0	45.8	
130.0	Appertunance(s)	0.00	1.48	30.679	51.84	205.26	0.650	0.000	1.00	1.883	1.22	63.5	0.0	45.4
131.0	0.00	1.48	30.747	51.96	203.66	0.650	0.000	1.00	1.867	1.21	63.0	0.0	45.0	
132.0	0.00	1.48	30.814	52.07	202.05	0.650	0.000	1.00	1.850	1.20	62.6	0.0	44.6	
133.0	0.00	1.48	30.880	52.18	200.44	0.650	0.000	1.00	1.833	1.19	62.2	0.0	44.2	
134.0	0.00	1.49	30.946	52.29	198.82	0.650	0.000	1.00	1.817	1.18	61.8	0.0	43.8	
135.0	0.00	1.49	31.012	52.41	197.20	0.650	0.000	1.00	1.800	1.17	61.3	0.0	43.4	
136.0	0.00	1.49	31.078	52.52	195.57	0.650	0.000	1.00	1.783	1.16	60.9	0.0	43.0	
137.0	0.00	1.50	31.143	52.63	193.93	0.650	0.000	1.00	1.767	1.15	60.4	0.0	42.6	
138.0	Appertunance(s)	0.00	1.50	31.207	52.74	192.29	0.650	0.000	1.00	1.750	1.14	60.0	0.0	42.1
139.0	0.00	1.50	31.272	52.84	190.65	0.650	0.000	1.00	1.733	1.13	59.5	0.0	41.7	
140.0	Appertunance(s)	0.00	1.51	31.336	52.95	189.00	0.650	0.000	1.00	1.717	1.12	59.1	0.0	41.3
Totals:									140.00		10,731.1	0.0	22,952.4	

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: No Ice 90.00 mph Wind with No Ice 30 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

Discrete Appurtenance Segment Forces

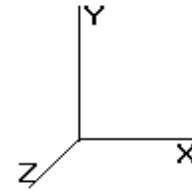
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Flat Low Profile Pla	1	27.353	46.227	1.00	26.10	0.000	0.000	1,206.53	0.00	0.00	1,500.00
87.00	Ericsson AIR 21, 1.3	3	27.353	46.227	0.69	13.62	0.000	0.000	629.64	0.00	0.00	244.50
87.00	Ericsson AIR 21, 1.3	3	27.353	46.227	0.69	13.52	0.000	0.000	624.86	0.00	0.00	249.00
87.00	RFS ATMAP1412D-	3	27.353	46.227	0.33	0.99	0.000	0.000	45.77	0.00	0.00	39.00
100.0	Flat Low Profile Pla	1	28.464	48.104	1.00	26.10	0.000	0.000	1,255.51	0.00	0.00	1,500.00
100.0	Powerwave LGP21901	6	28.464	48.104	0.33	0.46	0.000	0.000	21.91	0.00	0.00	33.00
100.0	Ericsson RRUS 11 (Ba	6	28.464	48.104	0.50	8.82	0.000	0.000	424.28	0.00	0.00	330.00
100.0	Powerwave P65-16-	3	28.464	48.104	0.50	12.60	0.000	0.000	606.11	0.00	0.00	159.00
100.0	Raycap DC6-48-60-18-	1	28.464	48.104	0.80	1.18	0.000	0.000	56.57	0.00	0.00	31.80
100.0	Powerwave 7770.00	6	28.464	48.104	0.65	22.93	0.000	0.000	1,103.12	0.00	0.00	210.00
100.0	Powerwave LGP21401	6	28.464	48.104	0.33	2.55	0.000	0.000	122.87	0.00	0.00	84.60
110.0	Diamond X50A	2	29.250	49.432	1.00	2.24	0.000	0.000	110.73	0.00	0.00	4.60
110.0	Round Low Profile PI	1	29.250	49.432	0.90	19.53	0.000	0.000	965.40	0.00	0.00	1,500.00
110.0	Powerwave P65-16-	2	29.250	49.432	0.64	10.75	0.000	0.000	531.49	0.00	0.00	66.00
110.0	RFS FD9R6004/2C-3L	6	29.250	49.432	0.33	0.73	0.000	0.000	36.21	0.00	0.00	15.60
110.0	Antel BXA-70063/6CF	1	29.250	49.432	0.65	5.03	0.000	0.000	248.69	0.00	0.00	14.90
110.0	Antel BXA-171063-8BF	3	29.250	49.432	0.71	6.26	0.000	0.000	309.55	0.00	0.00	31.50
110.0	Antel BXA-171063-12C	3	29.250	49.432	0.72	10.35	0.000	0.000	511.44	0.00	0.00	45.00
110.0	Antel BXA-70080/6CF	3	29.250	49.432	0.72	12.61	0.000	0.000	623.55	0.00	0.00	54.24
110.0	RFS DB-T1-6Z-8AB-0Z	1	29.250	49.432	0.50	2.80	0.000	0.000	138.41	0.00	0.00	44.00
110.0	Alcatel-Lucent RRH2x	3	29.250	49.432	0.50	3.76	0.000	0.000	186.11	0.00	0.00	132.00
120.0	48" x 8" Panels	12	29.986	50.676	0.66	29.54	0.000	0.000	1,497.05	0.00	0.00	240.00
120.0	Flat Low Profile Pla	1	29.986	50.676	0.90	23.49	0.000	0.000	1,190.38	0.00	0.00	1,500.00
130.0	Flat Low Profile Pla	1	30.679	51.848	1.00	26.10	0.000	0.000	1,353.24	0.00	0.00	1,500.00
130.0	RFS APXVSPP18-C-	3	30.679	51.848	0.68	16.85	0.000	0.000	873.66	0.00	0.00	171.00
130.0	Alcatel-Lucent 800 M	3	30.679	51.848	0.50	3.60	0.000	0.000	186.65	0.00	0.00	192.00
130.0	Alcatel-Lucent 4x40W	3	30.679	51.848	0.50	5.74	0.000	0.000	297.87	0.00	0.00	273.00
130.0	Alcatel-Lucent TD-RR	3	30.679	51.848	0.50	7.08	0.000	0.000	367.09	0.00	0.00	180.00
130.0	RFS APXV9TM14-ALU-	3	30.679	51.848	0.65	13.44	0.000	0.000	696.61	0.00	0.00	165.30
138.0	6' Dipole	1	31.463	53.173	1.00	2.22	0.000	4.000	118.04	0.00	472.18	20.00
138.0	6' FM Antenna	1	31.526	53.280	1.00	13.45	0.000	5.000	716.61	0.00	3,583.05	30.00
138.0	8' Omni	2	31.589	53.386	1.00	4.80	0.000	6.000	256.25	0.00	1,537.51	80.00
138.0	8' Omni	2	31.463	53.173	1.00	4.80	0.000	4.000	255.23	0.00	1,020.92	80.00
138.0	6' Omni	2	31.463	53.173	1.00	3.52	0.000	4.000	187.17	0.00	748.67	50.00
138.0	Flat Platform w/ Han	1	31.207	52.741	0.90	29.70	0.000	0.000	1,566.39	0.00	0.00	1,750.00
138.0	Andrew VHLP2.5-10W	1	31.400	53.066	1.00	8.43	0.000	3.000	447.34	0.00	1,342.03	47.60
138.0	8' Omni (inverted)	1	30.946	52.299	1.00	2.40	0.000	-4.000	125.52	0.00	-502.07	40.00
138.0	Andrew DB589	1	31.639	53.470	1.00	1.38	0.000	6.800	73.79	0.00	501.77	11.50
140.0	10' Pipe	1	31.776	53.701	1.00	5.00	0.000	7.000	268.51	0.00	1,879.54	752.00
140.0	Commscope DB589-Y	1	32.081	54.217	1.00	1.38	0.000	12.000	74.82	0.00	897.83	11.50
140.0	Side Arm	1	31.776	53.701	1.00	3.00	0.000	7.000	161.10	0.00	1,127.73	50.00
									20,472.06			13,432.64

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
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Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: No Ice

90.00 mph Wind with No Ice

30 Iterations

Gust Response Factor : 1.69

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Applied Segment Forces Summary

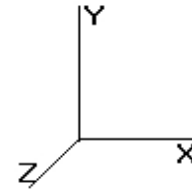
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	89.27	251.26	0.00	0.00
2.00	88.89	250.18	0.00	0.00
3.00	88.51	249.10	0.00	0.00
4.00	88.13	248.02	0.00	0.00
5.00	87.75	246.94	0.00	0.00
6.00	87.37	297.98	0.00	0.00
7.00	86.99	296.90	0.00	0.00
8.00	86.61	295.82	0.00	0.00
9.00	86.24	294.74	0.00	0.00
10.00	85.86	293.66	0.00	0.00
11.00	85.48	292.58	0.00	0.00
12.00	85.10	291.50	0.00	0.00
13.00	84.72	290.42	0.00	0.00
14.00	84.34	289.34	0.00	0.00
15.00	83.96	288.26	0.00	0.00
16.00	83.58	287.18	0.00	0.00
17.00	83.20	286.10	0.00	0.00
18.00	82.82	285.02	0.00	0.00
19.00	82.44	283.94	0.00	0.00
20.00	82.06	282.86	0.00	0.00
21.00	81.68	281.78	0.00	0.00
22.00	81.30	280.70	0.00	0.00
23.00	80.92	279.62	0.00	0.00
24.00	80.54	278.54	0.00	0.00
25.00	80.16	277.46	0.00	0.00
26.00	79.78	276.38	0.00	0.00
27.00	79.40	275.30	0.00	0.00
28.00	79.02	274.22	0.00	0.00
29.00	78.64	273.14	0.00	0.00
30.00	78.26	272.06	0.00	0.00
31.00	77.88	270.98	0.00	0.00
32.00	77.50	269.90	0.00	0.00
33.00	77.12	268.81	0.00	0.00
34.00	77.40	267.73	0.00	0.00
35.00	77.66	266.65	0.00	0.00
36.00	77.90	265.57	0.00	0.00
37.00	78.12	264.49	0.00	0.00
38.00	78.32	263.41	0.00	0.00
39.00	78.50	262.33	0.00	0.00
40.00	78.67	261.25	0.00	0.00
41.00	78.82	260.17	0.00	0.00
42.00	78.96	259.09	0.00	0.00
43.00	79.09	258.01	0.00	0.00
44.00	79.19	256.93	0.00	0.00
45.00	79.29	255.85	0.00	0.00
46.00	79.37	254.77	0.00	0.00
46.25	19.81	63.52	0.00	0.00
47.00	61.12	345.30	0.00	0.00
48.00	81.61	458.51	0.00	0.00

Pole : 310968
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Load Case: No Ice 90.00 mph Wind with No Ice 30 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

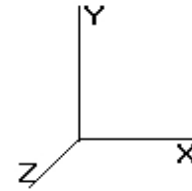
49.00	81.67	456.34	0.00	0.00
50.00	81.71	454.18	0.00	0.00
51.00	81.75	452.02	0.00	0.00
52.00	81.77	253.69	0.00	0.00
53.00	81.78	252.61	0.00	0.00
54.00	81.78	251.53	0.00	0.00
55.00	81.77	250.45	0.00	0.00
56.00	81.75	249.37	0.00	0.00
57.00	81.72	248.29	0.00	0.00
58.00	81.68	247.21	0.00	0.00
59.00	81.63	246.13	0.00	0.00
60.00	81.58	245.05	0.00	0.00
61.00	81.51	243.97	0.00	0.00
62.00	81.44	242.89	0.00	0.00
63.00	81.35	241.81	0.00	0.00
64.00	81.26	240.73	0.00	0.00
65.00	81.16	239.65	0.00	0.00
66.00	81.05	238.57	0.00	0.00
67.00	80.94	237.49	0.00	0.00
68.00	80.81	236.41	0.00	0.00
69.00	80.68	235.33	0.00	0.00
70.00	80.54	234.25	0.00	0.00
71.00	80.40	233.17	0.00	0.00
72.00	80.25	232.09	0.00	0.00
73.00	80.09	231.01	0.00	0.00
74.00	79.92	229.93	0.00	0.00
75.00	79.75	228.85	0.00	0.00
76.00	79.57	227.77	0.00	0.00
77.00	79.38	226.69	0.00	0.00
78.00	79.19	225.61	0.00	0.00
79.00	78.99	224.53	0.00	0.00
80.00	78.79	223.45	0.00	0.00
81.00	78.57	222.37	0.00	0.00
82.00	78.36	221.29	0.00	0.00
83.00	78.14	220.21	0.00	0.00
84.00	77.91	219.12	0.00	0.00
85.00	77.67	218.04	0.00	0.00
86.00	77.43	216.96	0.00	0.00
87.00	2,583.99	2,248.38	0.00	0.00
88.00	76.94	203.91	0.00	0.00
89.00	76.68	202.83	0.00	0.00
90.00	76.42	201.75	0.00	0.00
91.00	76.16	200.67	0.00	0.00
92.00	75.89	199.59	0.00	0.00
93.00	75.61	198.51	0.00	0.00
93.50	37.67	98.85	0.00	0.00
94.00	38.08	128.52	0.00	0.00
95.00	76.01	255.92	0.00	0.00
96.00	75.72	254.43	0.00	0.00
97.00	75.43	252.95	0.00	0.00
97.25	18.79	63.00	0.00	0.00
98.00	56.30	74.64	0.00	0.00
99.00	74.83	99.17	0.00	0.00
100.0	3,664.87	2,447.17	0.00	0.00
101.0	74.21	87.43	0.00	0.00
102.0	73.90	87.03	0.00	0.00
103.0	73.58	86.62	0.00	0.00

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: No Ice 90.00 mph Wind with No Ice 30 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

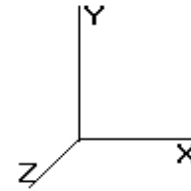
104.0	73.26	86.22	0.00	0.00
105.0	72.93	85.81	0.00	0.00
106.0	72.60	85.41	0.00	0.00
107.0	72.26	85.00	0.00	0.00
108.0	71.92	84.60	0.00	0.00
109.0	71.57	84.19	0.00	0.00
110.0	3,732.81	1,991.63	0.00	0.00
111.0	70.87	72.10	0.00	0.00
112.0	70.52	71.70	0.00	0.00
113.0	70.16	71.29	0.00	0.00
114.0	69.79	70.89	0.00	0.00
115.0	69.42	70.48	0.00	0.00
116.0	69.05	70.08	0.00	0.00
117.0	68.68	69.67	0.00	0.00
118.0	68.30	69.27	0.00	0.00
119.0	67.91	68.86	0.00	0.00
120.0	2,754.96	1,808.46	0.00	0.00
121.0	67.14	60.49	0.00	0.00
122.0	66.74	60.09	0.00	0.00
123.0	66.35	59.68	0.00	0.00
124.0	65.95	59.28	0.00	0.00
125.0	65.54	58.87	0.00	0.00
126.0	65.13	58.47	0.00	0.00
127.0	64.72	58.06	0.00	0.00
128.0	64.31	57.66	0.00	0.00
129.0	63.89	57.25	0.00	0.00
130.0	3,838.59	2,538.15	0.00	0.00
131.0	63.05	52.44	0.00	0.00
132.0	62.62	52.04	0.00	0.00
133.0	62.19	51.63	0.00	0.00
134.0	61.76	51.23	0.00	0.00
135.0	61.32	50.82	0.00	0.00
136.0	60.88	50.42	0.00	0.00
137.0	60.44	50.01	0.00	0.00
138.0	3,806.34	2,158.71	0.00	8,704.05
139.0	59.54	43.15	0.00	0.00
140.0	563.52	856.25	0.00	3,905.10
Totals:	31,203.19	41,865.01	0.00	12,609.15

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
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 Taper : 0.200036 (in/ft)

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Base Elev : 0.000 (ft)

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Load Case: No Ice	90.00 mph Wind with No Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Calculated Shaft Forces and Deflections

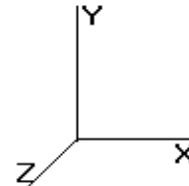
Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-31.219	-41.852	0.000	0.000	0.000	-3,231.845	0.000	0.000	0.000	0.000
1.00	-31.163	-41.576	0.000	0.000	0.000	-3,200.627	-0.005	0.000	0.005	-0.045
2.00	-31.106	-41.301	0.000	0.000	0.000	-3,169.464	-0.020	0.000	0.020	-0.090
3.00	-31.050	-41.028	0.000	0.000	0.000	-3,138.359	-0.044	0.000	0.044	-0.135
4.00	-30.993	-40.756	0.000	0.000	0.000	-3,107.310	-0.077	0.000	0.077	-0.181
5.00	-30.937	-40.484	0.000	0.000	0.000	-3,076.317	-0.120	0.000	0.120	-0.226
6.00	-30.880	-40.162	0.000	0.000	0.000	-3,045.381	-0.173	0.000	0.173	-0.272
7.00	-30.824	-39.841	0.000	0.000	0.000	-3,014.501	-0.235	0.000	0.235	-0.318
8.00	-30.767	-39.521	0.000	0.000	0.000	-2,983.678	-0.307	0.000	0.307	-0.364
9.00	-30.710	-39.202	0.000	0.000	0.000	-2,952.912	-0.388	0.000	0.388	-0.410
10.00	-30.654	-38.884	0.000	0.000	0.000	-2,922.202	-0.479	0.000	0.479	-0.456
11.00	-30.597	-38.568	0.000	0.000	0.000	-2,891.549	-0.580	0.000	0.580	-0.503
12.00	-30.541	-38.252	0.000	0.000	0.000	-2,860.952	-0.691	0.000	0.691	-0.549
13.00	-30.484	-37.938	0.000	0.000	0.000	-2,830.412	-0.811	0.000	0.811	-0.596
14.00	-30.427	-37.624	0.000	0.000	0.000	-2,799.929	-0.941	0.000	0.941	-0.643
15.00	-30.371	-37.312	0.000	0.000	0.000	-2,769.502	-1.081	0.000	1.081	-0.690
16.00	-30.314	-37.001	0.000	0.000	0.000	-2,739.132	-1.231	0.000	1.231	-0.737
17.00	-30.257	-36.691	0.000	0.000	0.000	-2,708.819	-1.390	0.000	1.390	-0.784
18.00	-30.200	-36.382	0.000	0.000	0.000	-2,678.563	-1.560	0.000	1.560	-0.831
19.00	-30.144	-36.075	0.000	0.000	0.000	-2,648.363	-1.739	0.000	1.739	-0.879
20.00	-30.087	-35.768	0.000	0.000	0.000	-2,618.220	-1.929	0.000	1.929	-0.926
21.00	-30.030	-35.463	0.000	0.000	0.000	-2,588.133	-2.128	0.000	2.128	-0.974
22.00	-29.973	-35.159	0.000	0.000	0.000	-2,558.104	-2.337	0.000	2.337	-1.022
23.00	-29.916	-34.855	0.000	0.000	0.000	-2,528.131	-2.557	0.000	2.557	-1.070
24.00	-29.860	-34.553	0.000	0.000	0.000	-2,498.215	-2.786	0.000	2.786	-1.118
25.00	-29.803	-34.253	0.000	0.000	0.000	-2,468.356	-3.026	0.000	3.026	-1.166
26.00	-29.746	-33.953	0.000	0.000	0.000	-2,438.554	-3.275	0.000	3.275	-1.214
27.00	-29.689	-33.654	0.000	0.000	0.000	-2,408.809	-3.535	0.000	3.535	-1.263
28.00	-29.632	-33.357	0.000	0.000	0.000	-2,379.121	-3.805	0.000	3.805	-1.311
29.00	-29.575	-33.061	0.000	0.000	0.000	-2,349.489	-4.085	0.000	4.085	-1.360
30.00	-29.518	-32.765	0.000	0.000	0.000	-2,319.914	-4.375	0.000	4.375	-1.408
31.00	-29.461	-32.471	0.000	0.000	0.000	-2,290.397	-4.675	0.000	4.675	-1.457
32.00	-29.404	-32.178	0.000	0.000	0.000	-2,260.936	-4.986	0.000	4.986	-1.506
33.00	-29.347	-31.887	0.000	0.000	0.000	-2,231.532	-5.307	0.000	5.307	-1.555
34.00	-29.290	-31.596	0.000	0.000	0.000	-2,202.186	-5.638	0.000	5.638	-1.604
35.00	-29.231	-31.307	0.000	0.000	0.000	-2,172.896	-5.980	0.000	5.980	-1.653
36.00	-29.172	-31.018	0.000	0.000	0.000	-2,143.666	-6.331	0.000	6.331	-1.702
37.00	-29.113	-30.731	0.000	0.000	0.000	-2,114.494	-6.693	0.000	6.693	-1.752
38.00	-29.053	-30.445	0.000	0.000	0.000	-2,085.382	-7.066	0.000	7.066	-1.801
39.00	-28.992	-30.161	0.000	0.000	0.000	-2,056.330	-7.448	0.000	7.448	-1.850
40.00	-28.930	-29.877	0.000	0.000	0.000	-2,027.339	-7.841	0.000	7.841	-1.900
41.00	-28.869	-29.595	0.000	0.000	0.000	-1,998.409	-8.245	0.000	8.245	-1.949
42.00	-28.806	-29.314	0.000	0.000	0.000	-1,969.541	-8.658	0.000	8.658	-1.999
43.00	-28.743	-29.034	0.000	0.000	0.000	-1,940.735	-9.083	0.000	9.083	-2.049
44.00	-28.680	-28.755	0.000	0.000	0.000	-1,911.993	-9.517	0.000	9.517	-2.098
45.00	-28.616	-28.477	0.000	0.000	0.000	-1,883.313	-9.962	0.000	9.962	-2.148
46.00	-28.542	-28.210	0.000	0.000	0.000	-1,854.698	-10.418	0.000	10.418	-2.198
46.25	-28.532	-28.135	0.000	0.000	0.000	-1,847.563	-10.533	0.000	10.533	-2.210
47.00	-28.479	-27.771	0.000	0.000	0.000	-1,826.164	-10.883	0.000	10.883	-2.248
48.00	-28.403	-27.291	0.000	0.000	0.000	-1,797.686	-11.360	0.000	11.360	-2.298
49.00	-28.326	-26.814	0.000	0.000	0.000	-1,769.284	-11.846	0.000	11.846	-2.347

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
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Load Case: No Ice 90.00 mph Wind with No Ice 30 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
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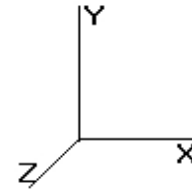
50.00	-28.248	-26.339	0.000	0.000	0.000	-1,740.958	-12.343	0.000	12.343	-2.397
51.00	-28.170	-25.866	0.000	0.000	0.000	-1,712.710	-12.851	0.000	12.851	-2.447
52.00	-28.099	-25.593	0.000	0.000	0.000	-1,684.541	-13.369	0.000	13.369	-2.497
53.00	-28.026	-25.322	0.000	0.000	0.000	-1,656.442	-13.897	0.000	13.897	-2.543
54.00	-27.954	-25.052	0.000	0.000	0.000	-1,628.416	-14.435	0.000	14.435	-2.589
55.00	-27.880	-24.783	0.000	0.000	0.000	-1,600.463	-14.982	0.000	14.982	-2.635
56.00	-27.807	-24.515	0.000	0.000	0.000	-1,572.583	-15.539	0.000	15.539	-2.681
57.00	-27.733	-24.249	0.000	0.000	0.000	-1,544.777	-16.105	0.000	16.105	-2.726
58.00	-27.658	-23.984	0.000	0.000	0.000	-1,517.045	-16.681	0.000	16.681	-2.772
59.00	-27.584	-23.720	0.000	0.000	0.000	-1,489.387	-17.267	0.000	17.267	-2.818
60.00	-27.509	-23.458	0.000	0.000	0.000	-1,461.804	-17.862	0.000	17.862	-2.863
61.00	-27.433	-23.197	0.000	0.000	0.000	-1,434.296	-18.466	0.000	18.466	-2.909
62.00	-27.358	-22.937	0.000	0.000	0.000	-1,406.863	-19.080	0.000	19.080	-2.954
63.00	-27.282	-22.678	0.000	0.000	0.000	-1,379.505	-19.704	0.000	19.704	-2.999
64.00	-27.206	-22.420	0.000	0.000	0.000	-1,352.224	-20.337	0.000	20.337	-3.044
65.00	-27.129	-22.164	0.000	0.000	0.000	-1,325.019	-20.979	0.000	20.979	-3.089
66.00	-27.052	-21.909	0.000	0.000	0.000	-1,297.890	-21.631	0.000	21.631	-3.134
67.00	-26.975	-21.655	0.000	0.000	0.000	-1,270.838	-22.292	0.000	22.292	-3.179
68.00	-26.898	-21.403	0.000	0.000	0.000	-1,243.863	-22.963	0.000	22.963	-3.223
69.00	-26.821	-21.152	0.000	0.000	0.000	-1,216.966	-23.642	0.000	23.642	-3.267
70.00	-26.743	-20.902	0.000	0.000	0.000	-1,190.145	-24.331	0.000	24.331	-3.312
71.00	-26.665	-20.654	0.000	0.000	0.000	-1,163.403	-25.030	0.000	25.030	-3.356
72.00	-26.586	-20.407	0.000	0.000	0.000	-1,136.739	-25.737	0.000	25.737	-3.399
73.00	-26.508	-20.161	0.000	0.000	0.000	-1,110.153	-26.453	0.000	26.453	-3.443
74.00	-26.429	-19.916	0.000	0.000	0.000	-1,083.645	-27.179	0.000	27.179	-3.486
75.00	-26.350	-19.673	0.000	0.000	0.000	-1,057.216	-27.914	0.000	27.914	-3.529
76.00	-26.271	-19.431	0.000	0.000	0.000	-1,030.866	-28.657	0.000	28.657	-3.571
77.00	-26.192	-19.191	0.000	0.000	0.000	-1,004.595	-29.409	0.000	29.409	-3.614
78.00	-26.113	-18.951	0.000	0.000	0.000	-978.404	-30.171	0.000	30.171	-3.656
79.00	-26.033	-18.713	0.000	0.000	0.000	-952.292	-30.941	0.000	30.941	-3.698
80.00	-25.953	-18.477	0.000	0.000	0.000	-926.259	-31.719	0.000	31.719	-3.739
81.00	-25.873	-18.242	0.000	0.000	0.000	-900.306	-32.506	0.000	32.506	-3.780
82.00	-25.793	-18.008	0.000	0.000	0.000	-874.434	-33.302	0.000	33.302	-3.820
83.00	-25.713	-17.776	0.000	0.000	0.000	-848.641	-34.106	0.000	34.106	-3.861
84.00	-25.632	-17.545	0.000	0.000	0.000	-822.929	-34.919	0.000	34.919	-3.900
85.00	-25.552	-17.315	0.000	0.000	0.000	-797.297	-35.740	0.000	35.740	-3.939
86.00	-25.471	-17.087	0.000	0.000	0.000	-771.746	-36.569	0.000	36.569	-3.978
87.00	-22.746	-15.009	0.000	0.000	0.000	-746.275	-37.406	0.000	37.406	-4.016
88.00	-22.665	-14.796	0.000	0.000	0.000	-723.529	-38.250	0.000	38.250	-4.054
89.00	-22.583	-14.585	0.000	0.000	0.000	-700.865	-39.103	0.000	39.103	-4.092
90.00	-22.502	-14.375	0.000	0.000	0.000	-678.282	-39.964	0.000	39.964	-4.128
91.00	-22.420	-14.166	0.000	0.000	0.000	-655.780	-40.832	0.000	40.832	-4.165
92.00	-22.339	-13.959	0.000	0.000	0.000	-633.360	-41.707	0.000	41.707	-4.201
93.00	-22.255	-13.756	0.000	0.000	0.000	-611.022	-42.591	0.000	42.591	-4.236
93.50	-22.214	-13.653	0.000	0.000	0.000	-599.894	-43.035	0.000	43.035	-4.254
94.00	-22.173	-13.518	0.000	0.000	0.000	-588.787	-43.481	0.000	43.481	-4.271
95.00	-22.086	-13.255	0.000	0.000	0.000	-566.614	-44.379	0.000	44.379	-4.305
96.00	-21.999	-12.995	0.000	0.000	0.000	-544.529	-45.283	0.000	45.283	-4.339
97.00	-21.909	-12.740	0.000	0.000	0.000	-522.530	-46.195	0.000	46.195	-4.372
97.25	-21.889	-12.673	0.000	0.000	0.000	-517.053	-46.424	0.000	46.424	-4.380
98.00	-21.839	-12.582	0.000	0.000	0.000	-500.636	-47.114	0.000	47.114	-4.404
99.00	-21.774	-12.459	0.000	0.000	0.000	-478.798	-48.044	0.000	48.044	-4.483
100.0	-17.941	-10.286	0.000	0.000	0.000	-457.024	-48.991	0.000	48.991	-4.559
101.0	-17.873	-10.181	0.000	0.000	0.000	-439.084	-49.954	0.000	49.954	-4.634
102.0	-17.805	-10.078	0.000	0.000	0.000	-421.212	-50.932	0.000	50.932	-4.707
103.0	-17.737	-9.976	0.000	0.000	0.000	-403.407	-51.925	0.000	51.925	-4.779
104.0	-17.668	-9.875	0.000	0.000	0.000	-385.671	-52.933	0.000	52.933	-4.849

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: No Ice 90.00 mph Wind with No Ice 30 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

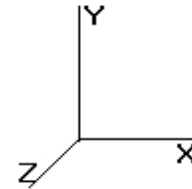
105.0	-17.600	-9.775	0.000	0.000	0.000	-368.003	-53.955	0.000	53.955	-4.917
106.0	-17.532	-9.676	0.000	0.000	0.000	-350.403	-54.992	0.000	54.992	-4.984
107.0	-17.463	-9.578	0.000	0.000	0.000	-332.872	-56.042	0.000	56.042	-5.049
108.0	-17.394	-9.481	0.000	0.000	0.000	-315.410	-57.105	0.000	57.105	-5.112
109.0	-17.325	-9.386	0.000	0.000	0.000	-298.016	-58.182	0.000	58.182	-5.173
110.0	-13.434	-7.728	0.000	0.000	0.000	-280.692	-59.271	0.000	59.271	-5.231
111.0	-13.365	-7.649	0.000	0.000	0.000	-267.257	-60.372	0.000	60.372	-5.288
112.0	-13.295	-7.572	0.000	0.000	0.000	-253.893	-61.484	0.000	61.484	-5.344
113.0	-13.226	-7.495	0.000	0.000	0.000	-240.598	-62.608	0.000	62.608	-5.397
114.0	-13.156	-7.419	0.000	0.000	0.000	-227.373	-63.743	0.000	63.743	-5.449
115.0	-13.087	-7.345	0.000	0.000	0.000	-214.217	-64.889	0.000	64.889	-5.500
116.0	-13.017	-7.271	0.000	0.000	0.000	-201.130	-66.044	0.000	66.044	-5.548
117.0	-12.948	-7.198	0.000	0.000	0.000	-188.113	-67.210	0.000	67.210	-5.595
118.0	-12.878	-7.126	0.000	0.000	0.000	-175.166	-68.385	0.000	68.385	-5.639
119.0	-12.809	-7.055	0.000	0.000	0.000	-162.288	-69.570	0.000	69.570	-5.681
120.0	-9.892	-5.523	0.000	0.000	0.000	-149.479	-70.763	0.000	70.763	-5.721
121.0	-9.823	-5.463	0.000	0.000	0.000	-139.587	-71.964	0.000	71.964	-5.759
122.0	-9.753	-5.404	0.000	0.000	0.000	-129.765	-73.172	0.000	73.172	-5.796
123.0	-9.685	-5.345	0.000	0.000	0.000	-120.011	-74.388	0.000	74.388	-5.830
124.0	-9.616	-5.288	0.000	0.000	0.000	-110.327	-75.611	0.000	75.611	-5.863
125.0	-9.547	-5.231	0.000	0.000	0.000	-100.711	-76.841	0.000	76.841	-5.894
126.0	-9.479	-5.175	0.000	0.000	0.000	-91.164	-78.077	0.000	78.077	-5.922
127.0	-9.411	-5.120	0.000	0.000	0.000	-81.685	-79.318	0.000	79.318	-5.949
128.0	-9.343	-5.065	0.000	0.000	0.000	-72.274	-80.565	0.000	80.565	-5.973
129.0	-9.275	-5.012	0.000	0.000	0.000	-62.931	-81.817	0.000	81.817	-5.995
130.0	-5.193	-2.888	0.000	0.000	0.000	-53.656	-83.072	0.000	83.072	-6.014
131.0	-5.126	-2.841	0.000	0.000	0.000	-48.463	-84.332	0.000	84.332	-6.032
132.0	-5.059	-2.794	0.000	0.000	0.000	-43.337	-85.595	0.000	85.595	-6.048
133.0	-4.992	-2.748	0.000	0.000	0.000	-38.278	-86.861	0.000	86.861	-6.062
134.0	-4.926	-2.703	0.000	0.000	0.000	-33.286	-88.130	0.000	88.130	-6.076
135.0	-4.860	-2.658	0.000	0.000	0.000	-28.360	-89.402	0.000	89.402	-6.087
136.0	-4.795	-2.613	0.000	0.000	0.000	-23.500	-90.676	0.000	90.676	-6.098
137.0	-4.730	-2.569	0.000	0.000	0.000	-18.706	-91.952	0.000	91.952	-6.106
138.0	-0.715	-0.828	0.000	0.000	0.000	-5.272	-93.229	0.000	93.229	-6.113
139.0	-0.652	-0.791	0.000	0.000	0.000	-4.557	-94.507	0.000	94.507	-6.115
140.0	-0.563	0.000	0.000	0.000	0.000	-3.905	-95.786	0.000	95.786	-6.117

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
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Load Case: No Ice	90.00 mph Wind with No Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Calculated Stresses

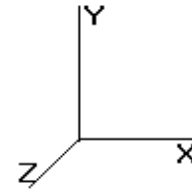
Seg Elev (ft)	Applied Stresses							Allowable Stress (Fb) (ksi)	Stress Ratio	
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)			
0.00	0.57	0.85	0.00	0.00	0.00	45.65	46.24	52.0	0.0	0.890
1.00	0.56	0.85	0.00	0.00	0.00	45.60	46.19	52.0	0.0	0.889
2.00	0.56	0.85	0.00	0.00	0.00	45.55	46.14	52.0	0.0	0.888
3.00	0.56	0.86	0.00	0.00	0.00	45.50	46.08	52.0	0.0	0.887
4.00	0.56	0.86	0.00	0.00	0.00	45.44	46.03	52.0	0.0	0.886
5.00	0.56	0.86	0.00	0.00	0.00	45.39	45.97	52.0	0.0	0.884
6.00	0.56	0.86	0.00	0.00	0.00	45.33	45.91	52.0	0.0	0.883
7.00	0.56	0.87	0.00	0.00	0.00	45.27	45.85	52.0	0.0	0.882
8.00	0.55	0.87	0.00	0.00	0.00	45.21	45.79	52.0	0.0	0.881
9.00	0.55	0.87	0.00	0.00	0.00	45.15	45.72	52.0	0.0	0.880
10.00	0.55	0.87	0.00	0.00	0.00	45.08	45.65	52.0	0.0	0.878
11.00	0.55	0.87	0.00	0.00	0.00	45.01	45.58	52.0	0.0	0.877
12.00	0.54	0.88	0.00	0.00	0.00	44.94	45.51	52.0	0.0	0.876
13.00	0.54	0.88	0.00	0.00	0.00	44.87	45.44	52.0	0.0	0.874
14.00	0.54	0.88	0.00	0.00	0.00	44.79	45.36	52.0	0.0	0.873
15.00	0.54	0.88	0.00	0.00	0.00	44.72	45.28	52.0	0.0	0.871
16.00	0.54	0.89	0.00	0.00	0.00	44.64	45.20	52.0	0.0	0.870
17.00	0.53	0.89	0.00	0.00	0.00	44.56	45.12	52.0	0.0	0.868
18.00	0.53	0.89	0.00	0.00	0.00	44.47	45.03	52.0	0.0	0.866
19.00	0.53	0.89	0.00	0.00	0.00	44.38	44.94	52.0	0.0	0.865
20.00	0.53	0.90	0.00	0.00	0.00	44.29	44.85	52.0	0.0	0.863
21.00	0.53	0.90	0.00	0.00	0.00	44.20	44.75	52.0	0.0	0.861
22.00	0.52	0.90	0.00	0.00	0.00	44.11	44.66	52.0	0.0	0.859
23.00	0.52	0.90	0.00	0.00	0.00	44.01	44.56	52.0	0.0	0.857
24.00	0.52	0.91	0.00	0.00	0.00	43.91	44.45	52.0	0.0	0.855
25.00	0.52	0.91	0.00	0.00	0.00	43.80	44.35	52.0	0.0	0.853
26.00	0.52	0.91	0.00	0.00	0.00	43.69	44.24	52.0	0.0	0.851
27.00	0.51	0.91	0.00	0.00	0.00	43.58	44.13	52.0	0.0	0.849
28.00	0.51	0.92	0.00	0.00	0.00	43.47	44.01	52.0	0.0	0.847
29.00	0.51	0.92	0.00	0.00	0.00	43.35	43.89	52.0	0.0	0.844
30.00	0.51	0.92	0.00	0.00	0.00	43.23	43.77	52.0	0.0	0.842
31.00	0.51	0.93	0.00	0.00	0.00	43.11	43.64	52.0	0.0	0.840
32.00	0.50	0.93	0.00	0.00	0.00	42.98	43.51	52.0	0.0	0.837
33.00	0.50	0.93	0.00	0.00	0.00	42.85	43.38	52.0	0.0	0.835
34.00	0.50	0.93	0.00	0.00	0.00	42.71	43.24	52.0	0.0	0.832
35.00	0.50	0.94	0.00	0.00	0.00	42.57	43.10	52.0	0.0	0.829
36.00	0.50	0.94	0.00	0.00	0.00	42.43	42.96	52.0	0.0	0.826
37.00	0.49	0.94	0.00	0.00	0.00	42.28	42.81	52.0	0.0	0.824
38.00	0.49	0.95	0.00	0.00	0.00	42.13	42.66	52.0	0.0	0.821
39.00	0.49	0.95	0.00	0.00	0.00	41.98	42.50	52.0	0.0	0.818
40.00	0.49	0.95	0.00	0.00	0.00	41.82	42.34	52.0	0.0	0.815
41.00	0.49	0.95	0.00	0.00	0.00	41.66	42.17	52.0	0.0	0.811
42.00	0.48	0.96	0.00	0.00	0.00	41.49	42.00	52.0	0.0	0.808
43.00	0.48	0.96	0.00	0.00	0.00	41.31	41.83	52.0	0.0	0.805
44.00	0.48	0.96	0.00	0.00	0.00	41.14	41.65	52.0	0.0	0.801
45.00	0.48	0.97	0.00	0.00	0.00	40.96	41.47	52.0	0.0	0.798
46.00	0.47	0.97	0.00	0.00	0.00	40.77	41.28	52.0	0.0	0.794
46.25	0.47	0.97	0.00	0.00	0.00	40.72	41.23	52.0	0.0	0.793
47.00	0.47	0.97	0.00	0.00	0.00	40.58	41.08	52.0	0.0	0.790
48.00	0.46	0.97	0.00	0.00	0.00	40.38	40.88	52.0	0.0	0.786
49.00	0.46	0.98	0.00	0.00	0.00	40.18	40.67	52.0	0.0	0.782

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
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Load Case: No Ice	90.00 mph Wind with No Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
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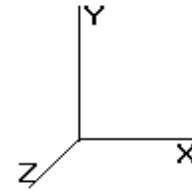
50.00	0.45	0.98	0.00	0.00	0.00	39.97	40.46	52.0	0.0	0.778
51.00	0.44	0.96	0.00	0.00	0.00	37.65	38.12	52.0	0.0	0.733
52.00	0.43	0.96	0.00	0.00	0.00	37.43	37.90	52.0	0.0	0.729
53.00	0.43	0.96	0.00	0.00	0.00	37.21	37.67	52.0	0.0	0.725
54.00	0.43	0.96	0.00	0.00	0.00	36.98	37.44	52.0	0.0	0.720
55.00	0.43	0.97	0.00	0.00	0.00	36.74	37.21	52.0	0.0	0.716
56.00	0.42	0.97	0.00	0.00	0.00	36.50	36.97	52.0	0.0	0.711
57.00	0.42	0.97	0.00	0.00	0.00	36.26	36.72	52.0	0.0	0.706
58.00	0.42	0.97	0.00	0.00	0.00	36.01	36.47	52.0	0.0	0.702
59.00	0.42	0.98	0.00	0.00	0.00	35.75	36.21	52.0	0.0	0.697
60.00	0.41	0.98	0.00	0.00	0.00	35.49	35.94	52.0	0.0	0.691
61.00	0.41	0.98	0.00	0.00	0.00	35.21	35.67	52.0	0.0	0.686
62.00	0.41	0.99	0.00	0.00	0.00	34.94	35.39	52.0	0.0	0.681
63.00	0.41	0.99	0.00	0.00	0.00	34.65	35.10	52.0	0.0	0.675
64.00	0.41	0.99	0.00	0.00	0.00	34.36	34.81	52.0	0.0	0.670
65.00	0.40	0.99	0.00	0.00	0.00	34.06	34.51	52.0	0.0	0.664
66.00	0.40	1.00	0.00	0.00	0.00	33.76	34.20	52.0	0.0	0.658
67.00	0.40	1.00	0.00	0.00	0.00	33.44	33.89	52.0	0.0	0.652
68.00	0.40	1.00	0.00	0.00	0.00	33.12	33.56	52.0	0.0	0.646
69.00	0.39	1.01	0.00	0.00	0.00	32.79	33.23	52.0	0.0	0.639
70.00	0.39	1.01	0.00	0.00	0.00	32.46	32.90	52.0	0.0	0.633
71.00	0.39	1.01	0.00	0.00	0.00	32.11	32.55	52.0	0.0	0.626
72.00	0.39	1.02	0.00	0.00	0.00	31.76	32.19	52.0	0.0	0.619
73.00	0.38	1.02	0.00	0.00	0.00	31.39	31.83	52.0	0.0	0.612
74.00	0.38	1.02	0.00	0.00	0.00	31.02	31.45	52.0	0.0	0.605
75.00	0.38	1.03	0.00	0.00	0.00	30.64	31.07	52.0	0.0	0.598
76.00	0.38	1.03	0.00	0.00	0.00	30.25	30.68	52.0	0.0	0.590
77.00	0.38	1.03	0.00	0.00	0.00	29.85	30.28	52.0	0.0	0.582
78.00	0.37	1.04	0.00	0.00	0.00	29.44	29.86	52.0	0.0	0.575
79.00	0.37	1.04	0.00	0.00	0.00	29.02	29.44	52.0	0.0	0.566
80.00	0.37	1.04	0.00	0.00	0.00	28.58	29.01	52.0	0.0	0.558
81.00	0.37	1.05	0.00	0.00	0.00	28.14	28.56	52.0	0.0	0.549
82.00	0.36	1.05	0.00	0.00	0.00	27.69	28.11	52.0	0.0	0.541
83.00	0.36	1.05	0.00	0.00	0.00	27.22	27.64	52.0	0.0	0.532
84.00	0.36	1.06	0.00	0.00	0.00	26.74	27.16	52.0	0.0	0.523
85.00	0.36	1.06	0.00	0.00	0.00	26.25	26.67	52.0	0.0	0.513
86.00	0.35	1.06	0.00	0.00	0.00	25.75	26.17	52.0	0.0	0.503
87.00	0.31	0.96	0.00	0.00	0.00	25.23	25.60	52.0	0.0	0.492
88.00	0.31	0.96	0.00	0.00	0.00	24.79	25.16	52.0	0.0	0.484
89.00	0.31	0.96	0.00	0.00	0.00	24.34	24.70	52.0	0.0	0.475
90.00	0.31	0.96	0.00	0.00	0.00	23.88	24.24	52.0	0.0	0.466
91.00	0.30	0.97	0.00	0.00	0.00	23.40	23.77	52.0	0.0	0.457
92.00	0.30	0.97	0.00	0.00	0.00	22.92	23.28	52.0	0.0	0.448
93.00	0.30	0.97	0.00	0.00	0.00	22.42	22.78	52.0	0.0	0.438
93.50	0.30	0.98	0.00	0.00	0.00	22.16	22.52	52.0	0.0	0.433
94.00	0.30	0.98	0.00	0.00	0.00	21.90	22.26	52.0	0.0	0.428
95.00	0.29	0.98	0.00	0.00	0.00	21.38	21.74	52.0	0.0	0.418
96.00	0.29	0.98	0.00	0.00	0.00	20.84	21.19	52.0	0.0	0.408
97.00	0.28	0.99	0.00	0.00	0.00	20.28	20.64	52.0	0.0	0.397
97.25	0.74	2.57	0.00	0.00	0.00	50.62	51.55	51.3	0.0	1.004
98.00	0.74	2.58	0.00	0.00	0.00	49.52	50.46	51.5	0.0	0.980
99.00	0.73	2.59	0.00	0.00	0.00	48.03	48.97	51.6	0.0	0.949
100.00	0.61	2.15	0.00	0.00	0.00	46.50	47.26	51.8	0.0	0.913
101.00	0.61	2.15	0.00	0.00	0.00	45.32	46.08	51.9	0.0	0.887
102.00	0.61	2.16	0.00	0.00	0.00	44.10	44.86	52.0	0.0	0.863
103.00	0.60	2.17	0.00	0.00	0.00	42.85	43.62	52.0	0.0	0.839
104.00	0.60	2.17	0.00	0.00	0.00	41.56	42.34	52.0	0.0	0.814

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Load Case: No Ice 90.00 mph Wind with No Ice 30 Iterations
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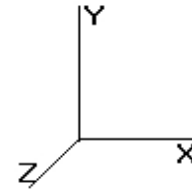
105.00	0.60	2.18	0.00	0.00	0.00	40.25	41.02	52.0	0.0	0.789
106.00	0.60	2.19	0.00	0.00	0.00	38.89	39.67	52.0	0.0	0.763
107.00	0.60	2.20	0.00	0.00	0.00	37.50	38.29	52.0	0.0	0.737
108.00	0.60	2.21	0.00	0.00	0.00	36.07	36.86	52.0	0.0	0.709
109.00	0.59	2.21	0.00	0.00	0.00	34.60	35.40	52.0	0.0	0.681
110.00	0.49	1.73	0.00	0.00	0.00	33.08	33.71	52.0	0.0	0.649
111.00	0.49	1.73	0.00	0.00	0.00	31.99	32.62	52.0	0.0	0.627
112.00	0.49	1.74	0.00	0.00	0.00	30.86	31.49	52.0	0.0	0.606
113.00	0.49	1.74	0.00	0.00	0.00	29.70	30.34	52.0	0.0	0.584
114.00	0.49	1.75	0.00	0.00	0.00	28.51	29.16	52.0	0.0	0.561
115.00	0.49	1.75	0.00	0.00	0.00	27.29	27.94	52.0	0.0	0.538
116.00	0.49	1.76	0.00	0.00	0.00	26.03	26.69	52.0	0.0	0.514
117.00	0.49	1.76	0.00	0.00	0.00	24.74	25.41	52.0	0.0	0.489
118.00	0.48	1.76	0.00	0.00	0.00	23.42	24.10	52.0	0.0	0.464
119.00	0.48	1.77	0.00	0.00	0.00	22.05	22.74	52.0	0.0	0.438
120.00	0.38	1.38	0.00	0.00	0.00	20.65	21.16	52.0	0.0	0.407
121.00	0.38	1.38	0.00	0.00	0.00	19.60	20.13	52.0	0.0	0.387
122.00	0.38	1.38	0.00	0.00	0.00	18.53	19.06	52.0	0.0	0.367
123.00	0.38	1.38	0.00	0.00	0.00	17.43	17.97	52.0	0.0	0.346
124.00	0.38	1.39	0.00	0.00	0.00	16.30	16.85	52.0	0.0	0.324
125.00	0.38	1.39	0.00	0.00	0.00	15.14	15.70	52.0	0.0	0.302
126.00	0.38	1.39	0.00	0.00	0.00	13.94	14.52	52.0	0.0	0.279
127.00	0.38	1.39	0.00	0.00	0.00	12.71	13.31	52.0	0.0	0.256
128.00	0.37	1.39	0.00	0.00	0.00	11.45	12.06	52.0	0.0	0.232
129.00	0.37	1.40	0.00	0.00	0.00	10.15	10.79	52.0	0.0	0.208
130.00	0.22	0.79	0.00	0.00	0.00	8.81	9.13	52.0	0.0	0.176
131.00	0.22	0.79	0.00	0.00	0.00	8.10	8.43	52.0	0.0	0.162
132.00	0.21	0.78	0.00	0.00	0.00	7.38	7.71	52.0	0.0	0.148
133.00	0.21	0.78	0.00	0.00	0.00	6.64	6.98	52.0	0.0	0.134
134.00	0.21	0.78	0.00	0.00	0.00	5.88	6.24	52.0	0.0	0.120
135.00	0.21	0.77	0.00	0.00	0.00	5.10	5.48	52.0	0.0	0.105
136.00	0.21	0.77	0.00	0.00	0.00	4.31	4.71	52.0	0.0	0.091
137.00	0.21	0.77	0.00	0.00	0.00	3.50	3.93	52.0	0.0	0.076
138.00	0.07	0.12	0.00	0.00	0.00	1.00	1.09	52.0	0.0	0.021
139.00	0.06	0.11	0.00	0.00	0.00	0.89	0.97	52.0	0.0	0.019
140.00	0.00	0.09	0.00	0.00	0.00	0.77	0.79	52.0	0.0	0.015

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

30 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

Shaft Segment Forces

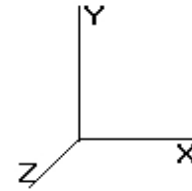
Seg Top Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		0.00	1.00 15.551	26.28 306.10	0.650		0.500	0.00	0.000	0.00	0.0	0.0	0.0
1.00		0.00	1.00 15.551	26.28 304.81	0.650		0.500	1.00	4.002	2.60	68.4	29.3	280.5
2.00		0.00	1.00 15.551	26.28 303.51	0.650		0.500	1.00	3.986	2.59	68.1	29.1	279.3
3.00		0.00	1.00 15.551	26.28 302.21	0.650		0.500	1.00	3.969	2.58	67.8	29.0	278.1
4.00		0.00	1.00 15.551	26.28 300.91	0.650		0.500	1.00	3.952	2.57	67.5	28.9	276.9
5.00		0.00	1.00 15.551	26.28 299.61	0.650		0.500	1.00	3.936	2.56	67.2	28.8	275.7
6.00		0.00	1.00 15.551	26.28 298.31	0.650		0.500	1.00	3.919	2.55	67.0	28.7	274.5
7.00		0.00	1.00 15.551	26.28 297.01	0.650		0.500	1.00	3.902	2.54	66.7	28.5	273.3
8.00		0.00	1.00 15.551	26.28 295.71	0.650		0.500	1.00	3.886	2.53	66.4	28.4	272.1
9.00		0.00	1.00 15.551	26.28 294.41	0.650		0.500	1.00	3.869	2.51	66.1	28.3	270.9
10.00		0.00	1.00 15.551	26.28 293.11	0.650		0.500	1.00	3.852	2.50	65.8	28.2	269.7
11.00		0.00	1.00 15.551	26.28 291.81	0.650		0.500	1.00	3.836	2.49	65.5	28.0	268.5
12.00		0.00	1.00 15.551	26.28 290.51	0.650		0.500	1.00	3.819	2.48	65.2	27.9	267.3
13.00		0.00	1.00 15.551	26.28 289.21	0.650		0.500	1.00	3.802	2.47	65.0	27.8	266.1
14.00		0.00	1.00 15.551	26.28 287.92	0.650		0.500	1.00	3.786	2.46	64.7	27.7	264.9
15.00		0.00	1.00 15.551	26.28 286.62	0.650		0.500	1.00	3.769	2.45	64.4	27.5	263.7
16.00		0.00	1.00 15.551	26.28 285.32	0.650		0.500	1.00	3.752	2.44	64.1	27.4	262.5
17.00		0.00	1.00 15.551	26.28 284.02	0.650		0.500	1.00	3.736	2.43	63.8	27.3	261.3
18.00		0.00	1.00 15.551	26.28 282.72	0.650		0.500	1.00	3.719	2.42	63.5	27.2	260.1
19.00		0.00	1.00 15.551	26.28 281.42	0.650		0.500	1.00	3.702	2.41	63.2	27.0	258.9
20.00		0.00	1.00 15.551	26.28 280.12	0.650		0.500	1.00	3.686	2.40	63.0	26.9	257.7
21.00		0.00	1.00 15.551	26.28 278.82	0.650		0.500	1.00	3.669	2.38	62.7	26.8	256.5
22.00		0.00	1.00 15.551	26.28 277.52	0.650		0.500	1.00	3.652	2.37	62.4	26.7	255.3
23.00		0.00	1.00 15.551	26.28 276.22	0.650		0.500	1.00	3.636	2.36	62.1	26.6	254.1
24.00		0.00	1.00 15.551	26.28 274.92	0.650		0.500	1.00	3.619	2.35	61.8	26.4	252.8
25.00		0.00	1.00 15.551	26.28 273.62	0.650		0.500	1.00	3.602	2.34	61.5	26.3	251.6
26.00		0.00	1.00 15.551	26.28 272.32	0.650		0.500	1.00	3.586	2.33	61.3	26.2	250.4
27.00		0.00	1.00 15.551	26.28 271.03	0.650		0.500	1.00	3.569	2.32	61.0	26.1	249.2
28.00		0.00	1.00 15.551	26.28 269.73	0.650		0.500	1.00	3.552	2.31	60.7	25.9	248.0
29.00		0.00	1.00 15.551	26.28 268.43	0.650		0.500	1.00	3.536	2.30	60.4	25.8	246.8
30.00		0.00	1.00 15.551	26.28 267.13	0.650		0.500	1.00	3.519	2.29	60.1	25.7	245.6
31.00		0.00	1.00 15.551	26.28 265.83	0.650		0.500	1.00	3.502	2.28	59.8	25.6	244.4
32.00		0.00	1.00 15.551	26.28 264.53	0.650		0.500	1.00	3.486	2.27	59.5	25.4	243.2
33.00		0.00	1.00 15.551	26.28 263.23	0.650		0.500	1.00	3.469	2.25	59.3	25.3	242.0
34.00		0.00	1.00 15.684	26.50 263.05	0.650		0.500	1.00	3.452	2.24	59.5	25.2	240.8
35.00		0.00	1.01 15.815	26.72 262.83	0.650		0.500	1.00	3.436	2.23	59.7	25.1	239.6
36.00		0.00	1.02 15.943	26.94 262.58	0.650		0.500	1.00	3.419	2.22	59.9	25.0	238.4
37.00		0.00	1.03 16.068	27.15 262.29	0.650		0.500	1.00	3.402	2.21	60.1	24.8	237.2
38.00		0.00	1.04 16.191	27.36 261.96	0.650		0.500	1.00	3.386	2.20	60.2	24.7	236.0
39.00		0.00	1.04 16.311	27.56 261.60	0.650		0.500	1.00	3.369	2.19	60.4	24.6	234.8
40.00		0.00	1.05 16.430	27.76 261.22	0.650		0.500	1.00	3.352	2.18	60.5	24.5	233.6
41.00		0.00	1.06 16.546	27.96 260.80	0.650		0.500	1.00	3.336	2.17	60.6	24.3	232.4
42.00		0.00	1.07 16.660	28.15 260.35	0.650		0.500	1.00	3.319	2.16	60.7	24.2	231.2
43.00		0.00	1.07 16.773	28.34 259.88	0.650		0.500	1.00	3.302	2.15	60.8	24.1	230.0
44.00		0.00	1.08 16.883	28.53 259.38	0.650		0.500	1.00	3.286	2.14	60.9	24.0	228.8
45.00		0.00	1.09 16.992	28.71 258.86	0.650		0.500	1.00	3.269	2.12	61.0	23.8	227.6
46.00		0.00	1.10 17.099	28.89 258.31	0.650		0.500	1.00	3.252	2.11	61.1	23.7	226.4
46.25	Bot - Section 2	0.00	1.10 17.126	28.94 258.17	0.650		0.500	0.25	0.810	0.53	15.2	5.9	56.4
47.00		0.00	1.10 17.204	29.07 257.74	0.650		0.500	0.75	2.488	1.62	47.0	18.2	324.4
48.00		0.00	1.11 17.308	29.25 257.14	0.650		0.500	1.00	3.302	2.15	62.8	24.1	430.5
49.00		0.00	1.12 17.411	29.42 256.53	0.650		0.500	1.00	3.286	2.14	62.8	24.0	428.2

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice	77.94 mph Wind with Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

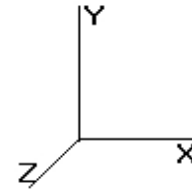
50.00		0.00	1.12	17.511	29.59	255.89	0.650	0.500	1.00	3.269	2.12	62.9	23.8	425.9
51.00	Top - Section 1	0.00	1.13	17.611	29.76	255.23	0.650	0.500	1.00	3.252	2.11	62.9	23.7	423.6
52.00		0.00	1.13	17.709	29.92	261.49	0.650	0.500	1.00	3.236	2.10	62.9	23.6	225.2
53.00		0.00	1.14	17.805	30.09	260.81	0.650	0.500	1.00	3.219	2.09	63.0	23.5	224.0
54.00		0.00	1.15	17.901	30.25	260.11	0.650	0.500	1.00	3.202	2.08	63.0	23.3	222.8
55.00		0.00	1.15	17.995	30.41	259.40	0.650	0.500	1.00	3.186	2.07	63.0	23.2	221.6
56.00		0.00	1.16	18.088	30.56	258.67	0.650	0.500	1.00	3.169	2.06	63.0	23.1	220.4
57.00		0.00	1.16	18.179	30.72	257.92	0.650	0.500	1.00	3.152	2.05	63.0	23.0	219.1
58.00		0.00	1.17	18.270	30.87	257.15	0.650	0.500	1.00	3.136	2.04	62.9	22.9	217.9
59.00		0.00	1.18	18.359	31.02	256.37	0.650	0.500	1.00	3.119	2.03	62.9	22.7	216.7
60.00		0.00	1.18	18.448	31.17	255.57	0.650	0.500	1.00	3.102	2.02	62.9	22.6	215.5
61.00		0.00	1.19	18.535	31.32	254.75	0.650	0.500	1.00	3.086	2.01	62.8	22.5	214.3
62.00		0.00	1.19	18.621	31.47	253.92	0.650	0.500	1.00	3.069	1.99	62.8	22.4	213.1
63.00		0.00	1.20	18.707	31.61	253.08	0.650	0.500	1.00	3.052	1.98	62.7	22.2	211.9
64.00		0.00	1.20	18.791	31.75	252.22	0.650	0.500	1.00	3.036	1.97	62.7	22.1	210.7
65.00		0.00	1.21	18.874	31.89	251.35	0.650	0.500	1.00	3.019	1.96	62.6	22.0	209.5
66.00		0.00	1.21	18.957	32.03	250.46	0.650	0.500	1.00	3.002	1.95	62.5	21.9	208.3
67.00		0.00	1.22	19.039	32.17	249.56	0.650	0.500	1.00	2.986	1.94	62.4	21.7	207.1
68.00		0.00	1.22	19.119	32.31	248.65	0.650	0.500	1.00	2.969	1.93	62.4	21.6	205.9
69.00		0.00	1.23	19.199	32.44	247.73	0.650	0.500	1.00	2.952	1.92	62.3	21.5	204.7
70.00		0.00	1.24	19.278	32.58	246.79	0.650	0.500	1.00	2.936	1.91	62.2	21.4	203.5
71.00		0.00	1.24	19.357	32.71	245.84	0.650	0.500	1.00	2.919	1.90	62.1	21.2	202.3
72.00		0.00	1.25	19.434	32.84	244.88	0.650	0.500	1.00	2.902	1.89	62.0	21.1	201.1
73.00		0.00	1.25	19.511	32.97	243.91	0.650	0.500	1.00	2.886	1.88	61.8	21.0	199.9
74.00		0.00	1.26	19.587	33.10	242.93	0.650	0.500	1.00	2.869	1.86	61.7	20.9	198.7
75.00		0.00	1.26	19.662	33.22	241.93	0.650	0.500	1.00	2.852	1.85	61.6	20.8	197.5
76.00		0.00	1.26	19.737	33.35	240.93	0.650	0.500	1.00	2.836	1.84	61.5	20.6	196.3
77.00		0.00	1.27	19.811	33.48	239.91	0.650	0.500	1.00	2.819	1.83	61.3	20.5	195.1
78.00		0.00	1.27	19.884	33.60	238.88	0.650	0.500	1.00	2.802	1.82	61.2	20.4	193.9
79.00		0.00	1.28	19.956	33.72	237.85	0.650	0.500	1.00	2.786	1.81	61.1	20.3	192.7
80.00		0.00	1.28	20.028	33.84	236.80	0.650	0.500	1.00	2.769	1.80	60.9	20.1	191.5
81.00		0.00	1.29	20.099	33.96	235.74	0.650	0.500	1.00	2.752	1.79	60.8	20.0	190.3
82.00		0.00	1.29	20.170	34.08	234.68	0.650	0.500	1.00	2.736	1.78	60.6	19.9	189.1
83.00		0.00	1.30	20.240	34.20	233.60	0.650	0.500	1.00	2.719	1.77	60.5	19.8	187.9
84.00		0.00	1.30	20.309	34.32	232.52	0.650	0.500	1.00	2.702	1.76	60.3	19.6	186.6
85.00		0.00	1.31	20.378	34.43	231.42	0.650	0.500	1.00	2.686	1.75	60.1	19.5	185.4
86.00		0.00	1.31	20.446	34.55	230.32	0.650	0.500	1.00	2.669	1.73	59.9	19.4	184.2
87.00	Appertunance(s)	0.00	1.31	20.514	34.66	229.21	0.650	0.500	1.00	2.652	1.72	59.8	19.3	183.0
88.00		0.00	1.32	20.581	34.78	228.09	0.650	0.500	1.00	2.636	1.71	59.6	19.1	181.8
89.00		0.00	1.32	20.648	34.89	226.96	0.650	0.500	1.00	2.619	1.70	59.4	19.0	180.6
90.00		0.00	1.33	20.714	35.00	225.82	0.650	0.500	1.00	2.602	1.69	59.2	18.9	179.4
91.00		0.00	1.33	20.779	35.11	224.68	0.650	0.500	1.00	2.586	1.68	59.0	18.8	178.2
92.00		0.00	1.34	20.844	35.22	223.53	0.650	0.500	1.00	2.569	1.67	58.8	18.7	177.0
93.00		0.00	1.34	20.909	35.33	222.36	0.650	0.500	1.00	2.552	1.66	58.6	18.5	175.8
93.50	Bot - Section 3	0.00	1.34	20.941	35.39	221.78	0.650	0.500	0.50	1.270	0.83	29.2	9.2	87.5
94.00		0.00	1.34	20.973	35.44	221.20	0.650	0.500	0.50	1.281	0.83	29.5	9.3	117.2
95.00		0.00	1.35	21.036	35.55	220.02	0.650	0.500	1.00	2.550	1.66	58.9	18.5	233.2
96.00		0.00	1.35	21.099	35.65	218.84	0.650	0.500	1.00	2.533	1.65	58.7	18.4	231.6
97.00		0.00	1.36	21.162	35.76	217.64	0.650	0.500	1.00	2.517	1.64	58.5	18.3	230.0
97.25	Top - Section 2	0.00	1.36	21.177	35.78	217.35	0.650	0.500	0.25	0.627	0.41	14.6	4.6	57.3
98.00		0.00	1.36	21.224	35.86	219.29	0.650	0.500	0.75	1.874	1.22	43.7	13.6	57.3
99.00		0.00	1.36	21.285	35.97	218.09	0.650	0.500	1.00	2.483	1.61	58.1	18.0	76.0
100.00	Appertunance(s)	0.00	1.37	21.347	36.07	216.88	0.650	0.500	1.00	2.467	1.60	57.8	17.9	75.4
101.00		0.00	1.37	21.407	36.17	215.66	0.650	0.500	1.00	2.450	1.59	57.6	17.8	74.9
102.00		0.00	1.38	21.468	36.28	214.44	0.650	0.500	1.00	2.433	1.58	57.4	17.7	74.4
103.00		0.00	1.38	21.528	36.38	213.21	0.650	0.500	1.00	2.417	1.57	57.2	17.5	73.9
104.00		0.00	1.38	21.587	36.48	211.98	0.650	0.500	1.00	2.400	1.56	56.9	17.4	73.3

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

30 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

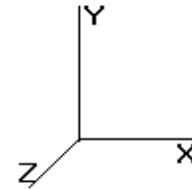
105.0		0.00	1.39	21.646	36.58	210.73	0.650	0.500	1.00	2.383	1.55	56.7	17.3	72.8
106.0		0.00	1.39	21.705	36.68	209.48	0.650	0.500	1.00	2.367	1.54	56.4	17.2	72.3
107.0		0.00	1.39	21.763	36.78	208.23	0.650	0.500	1.00	2.350	1.53	56.2	17.0	71.7
108.0		0.00	1.40	21.821	36.87	206.97	0.650	0.500	1.00	2.333	1.52	55.9	16.9	71.2
109.0		0.00	1.40	21.879	36.97	205.70	0.650	0.500	1.00	2.317	1.51	55.7	16.8	70.7
110.0	Appertunance(s)	0.00	1.41	21.936	37.07	204.42	0.650	0.500	1.00	2.300	1.50	55.4	16.7	70.2
111.0		0.00	1.41	21.993	37.16	203.14	0.650	0.500	1.00	2.283	1.48	55.2	16.5	69.6
112.0		0.00	1.41	22.049	37.26	201.86	0.650	0.500	1.00	2.267	1.47	54.9	16.4	69.1
113.0		0.00	1.42	22.105	37.35	200.56	0.650	0.500	1.00	2.250	1.46	54.6	16.3	68.6
114.0		0.00	1.42	22.161	37.45	199.27	0.650	0.500	1.00	2.233	1.45	54.4	16.2	68.0
115.0		0.00	1.42	22.216	37.54	197.96	0.650	0.500	1.00	2.217	1.44	54.1	16.0	67.5
116.0		0.00	1.43	22.271	37.63	196.65	0.650	0.500	1.00	2.200	1.43	53.8	15.9	67.0
117.0		0.00	1.43	22.326	37.73	195.34	0.650	0.500	1.00	2.183	1.42	53.5	15.8	66.5
118.0		0.00	1.43	22.380	37.82	194.01	0.650	0.500	1.00	2.167	1.41	53.3	15.7	65.9
119.0		0.00	1.44	22.434	37.91	192.69	0.650	0.500	1.00	2.150	1.40	53.0	15.6	65.4
120.0	Appertunance(s)	0.00	1.44	22.488	38.00	191.36	0.650	0.500	1.00	2.133	1.39	52.7	15.4	64.9
121.0		0.00	1.45	22.541	38.09	190.02	0.650	0.500	1.00	2.117	1.38	52.4	15.3	64.3
122.0		0.00	1.45	22.594	38.18	188.68	0.650	0.500	1.00	2.100	1.37	52.1	15.2	63.8
123.0		0.00	1.45	22.647	38.27	187.33	0.650	0.500	1.00	2.083	1.35	51.8	15.1	63.3
124.0		0.00	1.46	22.700	38.36	185.98	0.650	0.500	1.00	2.067	1.34	51.5	14.9	62.8
125.0		0.00	1.46	22.752	38.45	184.62	0.650	0.500	1.00	2.050	1.33	51.2	14.8	62.2
126.0		0.00	1.46	22.804	38.53	183.26	0.650	0.500	1.00	2.033	1.32	50.9	14.7	61.7
127.0		0.00	1.47	22.855	38.62	181.89	0.650	0.500	1.00	2.017	1.31	50.6	14.6	61.2
128.0		0.00	1.47	22.907	38.71	180.51	0.650	0.500	1.00	2.000	1.30	50.3	14.4	60.6
129.0		0.00	1.47	22.958	38.79	179.14	0.650	0.500	1.00	1.983	1.29	50.0	14.3	60.1
130.0	Appertunance(s)	0.00	1.48	23.008	38.88	177.75	0.650	0.500	1.00	1.967	1.28	49.7	14.2	59.6
131.0		0.00	1.48	23.059	38.96	176.37	0.650	0.500	1.00	1.950	1.27	49.4	14.1	59.1
132.0		0.00	1.48	23.109	39.05	174.97	0.650	0.500	1.00	1.933	1.26	49.1	13.9	58.5
133.0		0.00	1.48	23.159	39.13	173.58	0.650	0.500	1.00	1.917	1.25	48.8	13.8	58.0
134.0		0.00	1.49	23.208	39.22	172.18	0.650	0.500	1.00	1.900	1.24	48.4	13.7	57.5
135.0		0.00	1.49	23.258	39.30	170.77	0.650	0.500	1.00	1.883	1.22	48.1	13.6	56.9
136.0		0.00	1.49	23.307	39.38	169.36	0.650	0.500	1.00	1.867	1.21	47.8	13.5	56.4
137.0		0.00	1.50	23.356	39.47	167.95	0.650	0.500	1.00	1.850	1.20	47.5	13.3	55.9
138.0	Appertunance(s)	0.00	1.50	23.404	39.55	166.53	0.650	0.500	1.00	1.833	1.19	47.1	13.2	55.4
139.0		0.00	1.50	23.453	39.63	165.10	0.650	0.500	1.00	1.817	1.18	46.8	13.1	54.8
140.0	Appertunance(s)	0.00	1.51	23.501	39.71	163.67	0.650	0.500	1.00	1.800	1.17	46.5	13.0	54.3
Totals:								140.00			8,292.9	2,965.5	25,917.9	

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
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 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice	77.94 mph Wind with Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Discrete Appurtenance Segment Forces

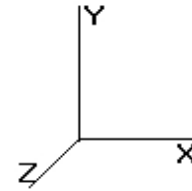
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Flat Low Profile Pla	1	20.514	34.668	1.00	31.60	0.000	0.000	1,095.52	0.00	0.00	1,700.00
87.00	Ericsson AIR 21, 1.3	3	20.514	34.668	0.69	14.90	0.000	0.000	516.70	0.00	0.00	397.80
87.00	Ericsson AIR 21, 1.3	3	20.514	34.668	0.69	14.90	0.000	0.000	516.70	0.00	0.00	397.80
87.00	RFS ATMAP1412D-	3	20.514	34.668	0.33	1.38	0.000	0.000	47.71	0.00	0.00	61.80
100.0	Flat Low Profile Pla	1	21.347	36.076	1.00	31.60	0.000	0.000	1,139.99	0.00	0.00	1,700.00
100.0	Powerwave LGP21901	6	21.347	36.076	0.33	0.67	0.000	0.000	24.29	0.00	0.00	46.20
100.0	Ericsson RRUS 11 (Ba	6	21.347	36.076	0.50	9.87	0.000	0.000	356.07	0.00	0.00	445.80
100.0	Powerwave P65-16-	3	21.347	36.076	0.50	13.83	0.000	0.000	498.93	0.00	0.00	300.60
100.0	Raycap DC6-48-60-18-	1	21.347	36.076	0.80	1.34	0.000	0.000	48.20	0.00	0.00	49.50
100.0	Powerwave 7770.00	6	21.347	36.076	0.65	25.47	0.000	0.000	918.74	0.00	0.00	405.78
100.0	Powerwave LGP21401	6	21.347	36.076	0.33	3.03	0.000	0.000	109.29	0.00	0.00	127.56
110.0	Diamond X50A	2	21.936	37.072	1.00	3.26	0.000	0.000	120.85	0.00	0.00	114.40
110.0	Round Low Profile PI	1	21.936	37.072	0.90	24.48	0.000	0.000	907.51	0.00	0.00	1,700.00
110.0	Powerwave P65-16-	2	21.936	37.072	0.64	11.81	0.000	0.000	437.98	0.00	0.00	155.06
110.0	RFS FD9R6004/2C-3L	6	21.936	37.072	0.33	0.99	0.000	0.000	36.70	0.00	0.00	32.40
110.0	Antel BXA-70063/6CF	1	21.936	37.072	0.65	5.55	0.000	0.000	205.78	0.00	0.00	58.00
110.0	Antel BXA-171063-8BF	3	21.936	37.072	0.71	7.26	0.000	0.000	269.26	0.00	0.00	87.90
110.0	Antel BXA-171063-12C	3	21.936	37.072	0.72	11.79	0.000	0.000	437.21	0.00	0.00	127.20
110.0	Antel BXA-70080/6CF	3	21.936	37.072	0.72	14.04	0.000	0.000	520.49	0.00	0.00	162.27
110.0	RFS DB-T1-6Z-8AB-0Z	1	21.936	37.072	0.50	3.04	0.000	0.000	112.70	0.00	0.00	144.50
110.0	Alcatel-Lucent RRH2x	3	21.936	37.072	0.50	4.30	0.000	0.000	159.59	0.00	0.00	184.20
120.0	48" x 8" Panels	12	22.488	38.005	0.66	32.31	0.000	0.000	1,228.07	0.00	0.00	483.59
120.0	Flat Low Profile Pla	1	22.488	38.005	0.90	28.44	0.000	0.000	1,080.86	0.00	0.00	1,700.00
130.0	Flat Low Profile Pla	1	23.008	38.884	1.00	31.60	0.000	0.000	1,228.73	0.00	0.00	1,700.00
130.0	RFS APXVSPP18-C-	3	23.008	38.884	0.68	16.85	0.000	0.000	655.21	0.00	0.00	319.50
130.0	Alcatel-Lucent 800 M	3	23.008	38.884	0.50	4.08	0.000	0.000	158.65	0.00	0.00	258.30
130.0	Alcatel-Lucent 4x40W	3	23.008	38.884	0.50	6.35	0.000	0.000	246.72	0.00	0.00	367.20
130.0	Alcatel-Lucent TD-RR	3	23.008	38.884	0.50	6.64	0.000	0.000	258.38	0.00	0.00	248.10
130.0	RFS APXV9TM14-ALU-	3	23.008	38.884	0.65	12.36	0.000	0.000	480.72	0.00	0.00	277.20
138.0	6' Dipole	1	23.596	39.877	1.00	3.00	0.000	4.000	119.63	0.00	478.53	39.30
138.0	6' FM Antenna	1	23.643	39.957	1.00	14.77	0.000	5.000	590.17	0.00	2,950.85	112.70
138.0	8' Omni	2	23.691	40.037	1.00	6.46	0.000	6.000	258.64	0.00	1,551.83	124.00
138.0	8' Omni	2	23.596	39.877	1.00	6.46	0.000	4.000	257.61	0.00	1,030.43	124.00
138.0	6' Omni	2	23.596	39.877	1.00	4.26	0.000	4.000	169.88	0.00	679.51	76.48
138.0	Flat Platform w/ Han	1	23.404	39.553	0.90	43.56	0.000	0.000	1,722.93	0.00	0.00	2,450.00
138.0	Andrew VHLP2.5-10W	1	23.548	39.797	1.00	8.92	0.000	3.000	354.99	0.00	1,064.96	97.00
138.0	8' Omni (inverted)	1	23.208	39.222	1.00	3.23	0.000	-4.000	126.69	0.00	-506.75	62.00
138.0	Andrew DB589	1	23.728	40.100	1.00	2.32	0.000	6.800	93.03	0.00	632.62	22.90
140.0	10' Pipe	1	23.831	40.274	1.00	6.75	0.000	7.000	271.85	0.00	1,902.93	900.00
140.0	Commscope DB589-Y	1	24.059	40.660	1.00	3.99	0.000	12.000	162.23	0.00	1,946.81	35.90
140.0	Side Arm	1	23.831	40.274	1.00	0.00	0.000	7.000	0.00	0.00	0.00	0.00
									17,945.18			17,796.93

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
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Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

30 Iterations

Gust Response Factor : 1.69

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Applied Segment Forces Summary

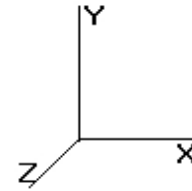
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	68.37	280.53	0.00	0.00
2.00	68.09	279.33	0.00	0.00
3.00	67.80	278.13	0.00	0.00
4.00	67.52	276.92	0.00	0.00
5.00	67.24	275.72	0.00	0.00
6.00	66.95	326.63	0.00	0.00
7.00	66.67	325.43	0.00	0.00
8.00	66.38	324.23	0.00	0.00
9.00	66.10	323.02	0.00	0.00
10.00	65.81	321.82	0.00	0.00
11.00	65.53	320.62	0.00	0.00
12.00	65.24	319.41	0.00	0.00
13.00	64.96	318.21	0.00	0.00
14.00	64.67	317.00	0.00	0.00
15.00	64.39	315.80	0.00	0.00
16.00	64.10	314.60	0.00	0.00
17.00	63.82	313.39	0.00	0.00
18.00	63.53	312.19	0.00	0.00
19.00	63.25	310.99	0.00	0.00
20.00	62.96	309.78	0.00	0.00
21.00	62.68	308.58	0.00	0.00
22.00	62.39	307.38	0.00	0.00
23.00	62.11	306.17	0.00	0.00
24.00	61.82	304.97	0.00	0.00
25.00	61.54	303.76	0.00	0.00
26.00	61.26	302.56	0.00	0.00
27.00	60.97	301.36	0.00	0.00
28.00	60.69	300.15	0.00	0.00
29.00	60.40	298.95	0.00	0.00
30.00	60.12	297.75	0.00	0.00
31.00	59.83	296.54	0.00	0.00
32.00	59.55	295.34	0.00	0.00
33.00	59.26	294.14	0.00	0.00
34.00	59.48	292.93	0.00	0.00
35.00	59.69	291.73	0.00	0.00
36.00	59.88	290.52	0.00	0.00
37.00	60.05	289.32	0.00	0.00
38.00	60.22	288.12	0.00	0.00
39.00	60.37	286.91	0.00	0.00
40.00	60.50	285.71	0.00	0.00
41.00	60.63	284.51	0.00	0.00
42.00	60.74	283.30	0.00	0.00
43.00	60.85	282.10	0.00	0.00
44.00	60.94	280.90	0.00	0.00
45.00	61.02	279.69	0.00	0.00
46.00	61.09	278.49	0.00	0.00
46.25	15.25	69.45	0.00	0.00
47.00	47.02	363.45	0.00	0.00
48.00	62.79	482.59	0.00	0.00

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Load Case: Ice

77.94 mph Wind with Ice

30 Iterations

Gust Response Factor : 1.69
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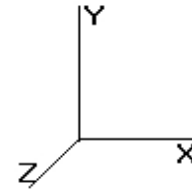
49.00	62.84	480.31	0.00	0.00
50.00	62.88	478.02	0.00	0.00
51.00	62.92	475.74	0.00	0.00
52.00	62.94	277.28	0.00	0.00
53.00	62.96	276.08	0.00	0.00
54.00	62.97	274.88	0.00	0.00
55.00	62.97	273.67	0.00	0.00
56.00	62.97	272.47	0.00	0.00
57.00	62.95	271.27	0.00	0.00
58.00	62.93	270.06	0.00	0.00
59.00	62.90	268.86	0.00	0.00
60.00	62.87	267.65	0.00	0.00
61.00	62.83	266.45	0.00	0.00
62.00	62.78	265.25	0.00	0.00
63.00	62.72	264.04	0.00	0.00
64.00	62.66	262.84	0.00	0.00
65.00	62.59	261.64	0.00	0.00
66.00	62.52	260.43	0.00	0.00
67.00	62.44	259.23	0.00	0.00
68.00	62.36	258.03	0.00	0.00
69.00	62.27	256.82	0.00	0.00
70.00	62.17	255.62	0.00	0.00
71.00	62.07	254.41	0.00	0.00
72.00	61.96	253.21	0.00	0.00
73.00	61.85	252.01	0.00	0.00
74.00	61.73	250.80	0.00	0.00
75.00	61.61	249.60	0.00	0.00
76.00	61.48	248.40	0.00	0.00
77.00	61.35	247.19	0.00	0.00
78.00	61.21	245.99	0.00	0.00
79.00	61.07	244.78	0.00	0.00
80.00	60.92	243.58	0.00	0.00
81.00	60.77	242.38	0.00	0.00
82.00	60.61	241.17	0.00	0.00
83.00	60.45	239.97	0.00	0.00
84.00	60.29	238.77	0.00	0.00
85.00	60.12	237.56	0.00	0.00
86.00	59.94	236.36	0.00	0.00
87.00	2,236.40	2,792.56	0.00	0.00
88.00	59.59	223.06	0.00	0.00
89.00	59.40	221.86	0.00	0.00
90.00	59.21	220.65	0.00	0.00
91.00	59.02	219.45	0.00	0.00
92.00	58.82	218.25	0.00	0.00
93.00	58.62	217.04	0.00	0.00
93.50	29.21	108.09	0.00	0.00
94.00	29.52	137.83	0.00	0.00
95.00	58.93	274.43	0.00	0.00
96.00	58.72	272.82	0.00	0.00
97.00	58.51	271.21	0.00	0.00
97.25	14.58	67.56	0.00	0.00
98.00	43.68	88.25	0.00	0.00
99.00	58.07	117.19	0.00	0.00
100.0	3,153.34	3,192.10	0.00	0.00
101.0	57.62	105.21	0.00	0.00
102.0	57.39	104.68	0.00	0.00
103.0	57.15	104.15	0.00	0.00

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice 77.94 mph Wind with Ice 30 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

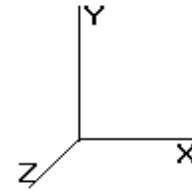
104.0	56.91	103.62	0.00	0.00
105.0	56.67	103.09	0.00	0.00
106.0	56.43	102.57	0.00	0.00
107.0	56.18	102.04	0.00	0.00
108.0	55.93	101.51	0.00	0.00
109.0	55.68	100.98	0.00	0.00
110.0	3,263.50	2,866.38	0.00	0.00
111.0	55.17	88.64	0.00	0.00
112.0	54.90	88.11	0.00	0.00
113.0	54.64	87.59	0.00	0.00
114.0	54.37	87.06	0.00	0.00
115.0	54.10	86.53	0.00	0.00
116.0	53.82	86.00	0.00	0.00
117.0	53.55	85.47	0.00	0.00
118.0	53.27	84.94	0.00	0.00
119.0	52.99	84.41	0.00	0.00
120.0	2,361.63	2,267.47	0.00	0.00
121.0	52.41	75.80	0.00	0.00
122.0	52.12	75.27	0.00	0.00
123.0	51.83	74.74	0.00	0.00
124.0	51.53	74.21	0.00	0.00
125.0	51.24	73.68	0.00	0.00
126.0	50.94	73.15	0.00	0.00
127.0	50.63	72.63	0.00	0.00
128.0	50.33	72.10	0.00	0.00
129.0	50.02	71.57	0.00	0.00
130.0	3,078.12	3,241.34	0.00	0.00
131.0	49.39	66.51	0.00	0.00
132.0	49.08	65.98	0.00	0.00
133.0	48.76	65.45	0.00	0.00
134.0	48.44	64.93	0.00	0.00
135.0	48.12	64.40	0.00	0.00
136.0	47.79	63.87	0.00	0.00
137.0	47.46	63.34	0.00	0.00
138.0	3,740.70	3,171.19	0.00	7,881.99
139.0	46.80	56.23	0.00	0.00
140.0	480.55	991.61	0.00	3,849.74
Totals:	26,238.11	49,194.78	0.00	11,731.73

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
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Load Case: Ice

77.94 mph Wind with Ice

30 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
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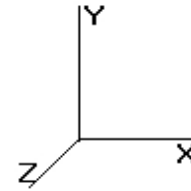
Calculated Shaft Forces and Deflections

Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-26.255	-49.185	0.000	0.000	0.000	-2,795.502	0.000	0.000	0.000	0.000
1.00	-26.219	-48.887	0.000	0.000	0.000	-2,769.248	-0.004	0.000	0.004	-0.039
2.00	-26.184	-48.590	0.000	0.000	0.000	-2,743.029	-0.017	0.000	0.017	-0.078
3.00	-26.149	-48.294	0.000	0.000	0.000	-2,716.846	-0.038	0.000	0.038	-0.117
4.00	-26.114	-47.999	0.000	0.000	0.000	-2,690.697	-0.067	0.000	0.067	-0.157
5.00	-26.079	-47.705	0.000	0.000	0.000	-2,664.584	-0.104	0.000	0.104	-0.196
6.00	-26.043	-47.361	0.000	0.000	0.000	-2,638.506	-0.149	0.000	0.149	-0.236
7.00	-26.008	-47.018	0.000	0.000	0.000	-2,612.463	-0.203	0.000	0.203	-0.275
8.00	-25.972	-46.676	0.000	0.000	0.000	-2,586.455	-0.265	0.000	0.265	-0.315
9.00	-25.937	-46.335	0.000	0.000	0.000	-2,560.483	-0.336	0.000	0.336	-0.355
10.00	-25.901	-45.996	0.000	0.000	0.000	-2,534.547	-0.415	0.000	0.415	-0.395
11.00	-25.865	-45.657	0.000	0.000	0.000	-2,508.646	-0.502	0.000	0.502	-0.436
12.00	-25.830	-45.320	0.000	0.000	0.000	-2,482.782	-0.598	0.000	0.598	-0.476
13.00	-25.794	-44.984	0.000	0.000	0.000	-2,456.952	-0.702	0.000	0.702	-0.516
14.00	-25.758	-44.650	0.000	0.000	0.000	-2,431.159	-0.815	0.000	0.815	-0.557
15.00	-25.722	-44.316	0.000	0.000	0.000	-2,405.402	-0.936	0.000	0.936	-0.598
16.00	-25.686	-43.984	0.000	0.000	0.000	-2,379.680	-1.066	0.000	1.066	-0.639
17.00	-25.650	-43.653	0.000	0.000	0.000	-2,353.995	-1.204	0.000	1.204	-0.680
18.00	-25.614	-43.323	0.000	0.000	0.000	-2,328.346	-1.351	0.000	1.351	-0.721
19.00	-25.577	-42.995	0.000	0.000	0.000	-2,302.733	-1.507	0.000	1.507	-0.762
20.00	-25.541	-42.667	0.000	0.000	0.000	-2,277.157	-1.671	0.000	1.671	-0.803
21.00	-25.505	-42.341	0.000	0.000	0.000	-2,251.616	-1.844	0.000	1.844	-0.845
22.00	-25.468	-42.016	0.000	0.000	0.000	-2,226.112	-2.026	0.000	2.026	-0.887
23.00	-25.431	-41.693	0.000	0.000	0.000	-2,200.645	-2.216	0.000	2.216	-0.928
24.00	-25.395	-41.370	0.000	0.000	0.000	-2,175.214	-2.415	0.000	2.415	-0.970
25.00	-25.358	-41.049	0.000	0.000	0.000	-2,149.820	-2.623	0.000	2.623	-1.012
26.00	-25.321	-40.729	0.000	0.000	0.000	-2,124.462	-2.840	0.000	2.840	-1.054
27.00	-25.285	-40.410	0.000	0.000	0.000	-2,099.141	-3.065	0.000	3.065	-1.096
28.00	-25.248	-40.093	0.000	0.000	0.000	-2,073.857	-3.299	0.000	3.299	-1.138
29.00	-25.211	-39.776	0.000	0.000	0.000	-2,048.610	-3.543	0.000	3.543	-1.181
30.00	-25.174	-39.461	0.000	0.000	0.000	-2,023.400	-3.795	0.000	3.795	-1.223
31.00	-25.136	-39.147	0.000	0.000	0.000	-1,998.227	-4.056	0.000	4.056	-1.266
32.00	-25.099	-38.835	0.000	0.000	0.000	-1,973.092	-4.325	0.000	4.325	-1.308
33.00	-25.062	-38.523	0.000	0.000	0.000	-1,947.993	-4.604	0.000	4.604	-1.351
34.00	-25.024	-38.213	0.000	0.000	0.000	-1,922.932	-4.892	0.000	4.892	-1.394
35.00	-24.985	-37.904	0.000	0.000	0.000	-1,897.908	-5.189	0.000	5.189	-1.437
36.00	-24.946	-37.597	0.000	0.000	0.000	-1,872.924	-5.495	0.000	5.495	-1.480
37.00	-24.907	-37.290	0.000	0.000	0.000	-1,847.978	-5.809	0.000	5.809	-1.523
38.00	-24.867	-36.985	0.000	0.000	0.000	-1,823.071	-6.133	0.000	6.133	-1.566
39.00	-24.826	-36.681	0.000	0.000	0.000	-1,798.205	-6.466	0.000	6.466	-1.609
40.00	-24.785	-36.379	0.000	0.000	0.000	-1,773.379	-6.808	0.000	6.808	-1.653
41.00	-24.744	-36.077	0.000	0.000	0.000	-1,748.595	-7.159	0.000	7.159	-1.696
42.00	-24.701	-35.777	0.000	0.000	0.000	-1,723.852	-7.519	0.000	7.519	-1.739
43.00	-24.659	-35.479	0.000	0.000	0.000	-1,699.151	-7.888	0.000	7.888	-1.783
44.00	-24.616	-35.181	0.000	0.000	0.000	-1,674.493	-8.266	0.000	8.266	-1.826
45.00	-24.572	-34.885	0.000	0.000	0.000	-1,649.877	-8.653	0.000	8.653	-1.870
46.00	-24.519	-34.597	0.000	0.000	0.000	-1,625.305	-9.050	0.000	9.050	-1.913
46.25	-24.514	-34.519	0.000	0.000	0.000	-1,619.176	-9.150	0.000	9.150	-1.924
47.00	-24.478	-34.141	0.000	0.000	0.000	-1,600.790	-9.455	0.000	9.455	-1.957
48.00	-24.424	-33.642	0.000	0.000	0.000	-1,576.313	-9.870	0.000	9.870	-2.001
49.00	-24.370	-33.145	0.000	0.000	0.000	-1,551.890	-10.294	0.000	10.294	-2.045

Pole : 310968
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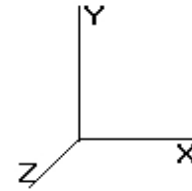
50.00	-24.314	-32.651	0.000	0.000	0.000	-1,527.521	-10.727	0.000	10.727	-2.088
51.00	-24.259	-32.160	0.000	0.000	0.000	-1,503.207	-11.169	0.000	11.169	-2.132
52.00	-24.209	-31.867	0.000	0.000	0.000	-1,478.949	-11.621	0.000	11.621	-2.176
53.00	-24.157	-31.577	0.000	0.000	0.000	-1,454.741	-12.081	0.000	12.081	-2.216
54.00	-24.106	-31.288	0.000	0.000	0.000	-1,430.584	-12.550	0.000	12.550	-2.257
55.00	-24.054	-31.000	0.000	0.000	0.000	-1,406.478	-13.027	0.000	13.027	-2.297
56.00	-24.001	-30.713	0.000	0.000	0.000	-1,382.425	-13.512	0.000	13.512	-2.337
57.00	-23.949	-30.428	0.000	0.000	0.000	-1,358.424	-14.006	0.000	14.006	-2.377
58.00	-23.896	-30.144	0.000	0.000	0.000	-1,334.476	-14.508	0.000	14.508	-2.418
59.00	-23.842	-29.862	0.000	0.000	0.000	-1,310.581	-15.019	0.000	15.019	-2.458
60.00	-23.789	-29.580	0.000	0.000	0.000	-1,286.739	-15.538	0.000	15.538	-2.498
61.00	-23.735	-29.300	0.000	0.000	0.000	-1,262.951	-16.066	0.000	16.066	-2.538
62.00	-23.680	-29.022	0.000	0.000	0.000	-1,239.217	-16.602	0.000	16.602	-2.578
63.00	-23.626	-28.744	0.000	0.000	0.000	-1,215.537	-17.146	0.000	17.146	-2.618
64.00	-23.571	-28.468	0.000	0.000	0.000	-1,191.912	-17.698	0.000	17.698	-2.657
65.00	-23.515	-28.194	0.000	0.000	0.000	-1,168.342	-18.259	0.000	18.259	-2.697
66.00	-23.460	-27.920	0.000	0.000	0.000	-1,144.827	-18.828	0.000	18.828	-2.736
67.00	-23.404	-27.648	0.000	0.000	0.000	-1,121.368	-19.406	0.000	19.406	-2.776
68.00	-23.348	-27.378	0.000	0.000	0.000	-1,097.964	-19.991	0.000	19.991	-2.815
69.00	-23.291	-27.108	0.000	0.000	0.000	-1,074.617	-20.585	0.000	20.585	-2.854
70.00	-23.235	-26.840	0.000	0.000	0.000	-1,051.326	-21.187	0.000	21.187	-2.893
71.00	-23.178	-26.574	0.000	0.000	0.000	-1,028.092	-21.797	0.000	21.797	-2.932
72.00	-23.121	-26.309	0.000	0.000	0.000	-1,004.914	-22.415	0.000	22.415	-2.971
73.00	-23.063	-26.045	0.000	0.000	0.000	-981.794	-23.042	0.000	23.042	-3.009
74.00	-23.005	-25.782	0.000	0.000	0.000	-958.731	-23.676	0.000	23.676	-3.047
75.00	-22.947	-25.521	0.000	0.000	0.000	-935.727	-24.318	0.000	24.318	-3.085
76.00	-22.889	-25.261	0.000	0.000	0.000	-912.780	-24.968	0.000	24.968	-3.123
77.00	-22.831	-25.003	0.000	0.000	0.000	-889.891	-25.626	0.000	25.626	-3.161
78.00	-22.772	-24.746	0.000	0.000	0.000	-867.061	-26.292	0.000	26.292	-3.198
79.00	-22.713	-24.491	0.000	0.000	0.000	-844.289	-26.966	0.000	26.966	-3.235
80.00	-22.654	-24.236	0.000	0.000	0.000	-821.577	-27.647	0.000	27.647	-3.271
81.00	-22.594	-23.984	0.000	0.000	0.000	-798.924	-28.336	0.000	28.336	-3.308
82.00	-22.535	-23.732	0.000	0.000	0.000	-776.330	-29.033	0.000	29.033	-3.344
83.00	-22.475	-23.482	0.000	0.000	0.000	-753.796	-29.737	0.000	29.737	-3.379
84.00	-22.415	-23.234	0.000	0.000	0.000	-731.321	-30.448	0.000	30.448	-3.415
85.00	-22.354	-22.987	0.000	0.000	0.000	-708.907	-31.167	0.000	31.167	-3.450
86.00	-22.294	-22.741	0.000	0.000	0.000	-686.553	-31.893	0.000	31.893	-3.484
87.00	-19.903	-20.079	0.000	0.000	0.000	-664.260	-32.626	0.000	32.626	-3.518
88.00	-19.841	-19.848	0.000	0.000	0.000	-644.357	-33.366	0.000	33.366	-3.552
89.00	-19.779	-19.619	0.000	0.000	0.000	-624.516	-34.114	0.000	34.114	-3.585
90.00	-19.718	-19.391	0.000	0.000	0.000	-604.737	-34.868	0.000	34.868	-3.618
91.00	-19.656	-19.165	0.000	0.000	0.000	-585.020	-35.629	0.000	35.629	-3.650
92.00	-19.593	-18.940	0.000	0.000	0.000	-565.365	-36.396	0.000	36.396	-3.682
93.00	-19.529	-18.719	0.000	0.000	0.000	-545.772	-37.171	0.000	37.171	-3.714
93.50	-19.498	-18.608	0.000	0.000	0.000	-536.008	-37.560	0.000	37.560	-3.730
94.00	-19.467	-18.465	0.000	0.000	0.000	-526.259	-37.952	0.000	37.952	-3.745
95.00	-19.399	-18.184	0.000	0.000	0.000	-506.793	-38.739	0.000	38.739	-3.776
96.00	-19.332	-17.906	0.000	0.000	0.000	-487.394	-39.533	0.000	39.533	-3.806
97.00	-19.261	-17.633	0.000	0.000	0.000	-468.062	-40.333	0.000	40.333	-3.835
97.25	-19.247	-17.562	0.000	0.000	0.000	-463.247	-40.534	0.000	40.534	-3.843
98.00	-19.212	-17.460	0.000	0.000	0.000	-448.812	-41.139	0.000	41.139	-3.864
99.00	-19.167	-17.324	0.000	0.000	0.000	-429.601	-41.956	0.000	41.956	-3.934
100.0	-15.817	-14.340	0.000	0.000	0.000	-410.434	-42.787	0.000	42.787	-4.003
101.0	-15.769	-14.220	0.000	0.000	0.000	-394.618	-43.633	0.000	43.633	-4.070
102.0	-15.720	-14.102	0.000	0.000	0.000	-378.850	-44.492	0.000	44.492	-4.136
103.0	-15.671	-13.985	0.000	0.000	0.000	-363.130	-45.365	0.000	45.365	-4.201
104.0	-15.622	-13.869	0.000	0.000	0.000	-347.460	-46.251	0.000	46.251	-4.264

Pole : 310968
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Load Case: Ice

77.94 mph Wind with Ice

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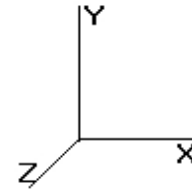
105.0	-15.572	-13.754	0.000	0.000	0.000	-331.838	-47.151	0.000	47.151	-4.325
106.0	-15.522	-13.640	0.000	0.000	0.000	-316.267	-48.063	0.000	48.063	-4.386
107.0	-15.472	-13.527	0.000	0.000	0.000	-300.745	-48.988	0.000	48.988	-4.444
108.0	-15.422	-13.415	0.000	0.000	0.000	-285.273	-49.924	0.000	49.924	-4.501
109.0	-15.371	-13.304	0.000	0.000	0.000	-269.852	-50.872	0.000	50.872	-4.556
110.0	-11.898	-10.697	0.000	0.000	0.000	-254.482	-51.832	0.000	51.832	-4.609
111.0	-11.845	-10.603	0.000	0.000	0.000	-242.584	-52.802	0.000	52.802	-4.661
112.0	-11.793	-10.509	0.000	0.000	0.000	-230.739	-53.783	0.000	53.783	-4.711
113.0	-11.740	-10.417	0.000	0.000	0.000	-218.947	-54.775	0.000	54.775	-4.760
114.0	-11.687	-10.325	0.000	0.000	0.000	-207.208	-55.776	0.000	55.776	-4.808
115.0	-11.633	-10.234	0.000	0.000	0.000	-195.522	-56.787	0.000	56.787	-4.853
116.0	-11.580	-10.144	0.000	0.000	0.000	-183.889	-57.808	0.000	57.808	-4.898
117.0	-11.527	-10.055	0.000	0.000	0.000	-172.309	-58.838	0.000	58.838	-4.940
118.0	-11.473	-9.967	0.000	0.000	0.000	-160.782	-59.876	0.000	59.876	-4.981
119.0	-11.420	-9.880	0.000	0.000	0.000	-149.309	-60.923	0.000	60.923	-5.020
120.0	-8.873	-7.824	0.000	0.000	0.000	-137.889	-61.977	0.000	61.977	-5.057
121.0	-8.819	-7.747	0.000	0.000	0.000	-129.017	-63.039	0.000	63.039	-5.092
122.0	-8.764	-7.672	0.000	0.000	0.000	-120.198	-64.108	0.000	64.108	-5.126
123.0	-8.710	-7.597	0.000	0.000	0.000	-111.434	-65.184	0.000	65.184	-5.158
124.0	-8.656	-7.524	0.000	0.000	0.000	-102.724	-66.266	0.000	66.266	-5.188
125.0	-8.602	-7.451	0.000	0.000	0.000	-94.068	-67.355	0.000	67.355	-5.217
126.0	-8.548	-7.379	0.000	0.000	0.000	-85.466	-68.449	0.000	68.449	-5.243
127.0	-8.494	-7.308	0.000	0.000	0.000	-76.918	-69.549	0.000	69.549	-5.268
128.0	-8.440	-7.237	0.000	0.000	0.000	-68.424	-70.654	0.000	70.654	-5.291
129.0	-8.386	-7.168	0.000	0.000	0.000	-59.984	-71.763	0.000	71.763	-5.312
130.0	-5.022	-4.224	0.000	0.000	0.000	-51.598	-72.877	0.000	72.877	-5.330
131.0	-4.968	-4.161	0.000	0.000	0.000	-46.576	-73.994	0.000	73.994	-5.347
132.0	-4.914	-4.099	0.000	0.000	0.000	-41.609	-75.114	0.000	75.114	-5.363
133.0	-4.860	-4.037	0.000	0.000	0.000	-36.695	-76.237	0.000	76.237	-5.377
134.0	-4.807	-3.976	0.000	0.000	0.000	-31.835	-77.363	0.000	77.363	-5.389
135.0	-4.753	-3.916	0.000	0.000	0.000	-27.029	-78.492	0.000	78.492	-5.400
136.0	-4.700	-3.856	0.000	0.000	0.000	-22.276	-79.622	0.000	79.622	-5.410
137.0	-4.648	-3.797	0.000	0.000	0.000	-17.575	-80.755	0.000	80.755	-5.418
138.0	-0.624	-0.993	0.000	0.000	0.000	-5.046	-81.889	0.000	81.889	-5.424
139.0	-0.572	-0.942	0.000	0.000	0.000	-4.422	-83.024	0.000	83.024	-5.426
140.0	-0.481	0.000	0.000	0.000	0.000	-3.850	-84.159	0.000	84.159	-5.428

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

30 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

Calculated Stresses

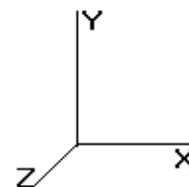
Seg Elev (ft)	Applied Stresses							Allowable Stress (Fb) (ksi)	Stress Ratio	
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)			
0.00	0.66	0.72	0.00	0.00	0.00	39.49	40.17	52.0	0.0	0.773
1.00	0.66	0.72	0.00	0.00	0.00	39.46	40.14	52.0	0.0	0.772
2.00	0.66	0.72	0.00	0.00	0.00	39.42	40.10	52.0	0.0	0.772
3.00	0.66	0.72	0.00	0.00	0.00	39.39	40.07	52.0	0.0	0.771
4.00	0.66	0.72	0.00	0.00	0.00	39.35	40.03	52.0	0.0	0.770
5.00	0.66	0.73	0.00	0.00	0.00	39.31	39.99	52.0	0.0	0.769
6.00	0.66	0.73	0.00	0.00	0.00	39.27	39.95	52.0	0.0	0.769
7.00	0.66	0.73	0.00	0.00	0.00	39.23	39.91	52.0	0.0	0.768
8.00	0.65	0.73	0.00	0.00	0.00	39.19	39.86	52.0	0.0	0.767
9.00	0.65	0.73	0.00	0.00	0.00	39.15	39.82	52.0	0.0	0.766
10.00	0.65	0.74	0.00	0.00	0.00	39.10	39.77	52.0	0.0	0.765
11.00	0.65	0.74	0.00	0.00	0.00	39.05	39.72	52.0	0.0	0.764
12.00	0.65	0.74	0.00	0.00	0.00	39.00	39.67	52.0	0.0	0.763
13.00	0.64	0.74	0.00	0.00	0.00	38.95	39.61	52.0	0.0	0.762
14.00	0.64	0.75	0.00	0.00	0.00	38.89	39.56	52.0	0.0	0.761
15.00	0.64	0.75	0.00	0.00	0.00	38.84	39.50	52.0	0.0	0.760
16.00	0.64	0.75	0.00	0.00	0.00	38.78	39.44	52.0	0.0	0.759
17.00	0.64	0.75	0.00	0.00	0.00	38.72	39.38	52.0	0.0	0.758
18.00	0.63	0.76	0.00	0.00	0.00	38.66	39.31	52.0	0.0	0.756
19.00	0.63	0.76	0.00	0.00	0.00	38.59	39.25	52.0	0.0	0.755
20.00	0.63	0.76	0.00	0.00	0.00	38.52	39.18	52.0	0.0	0.754
21.00	0.63	0.76	0.00	0.00	0.00	38.45	39.10	52.0	0.0	0.752
22.00	0.63	0.77	0.00	0.00	0.00	38.38	39.03	52.0	0.0	0.751
23.00	0.63	0.77	0.00	0.00	0.00	38.31	38.95	52.0	0.0	0.749
24.00	0.62	0.77	0.00	0.00	0.00	38.23	38.87	52.0	0.0	0.748
25.00	0.62	0.77	0.00	0.00	0.00	38.15	38.79	52.0	0.0	0.746
26.00	0.62	0.78	0.00	0.00	0.00	38.07	38.71	52.0	0.0	0.745
27.00	0.62	0.78	0.00	0.00	0.00	37.98	38.62	52.0	0.0	0.743
28.00	0.62	0.78	0.00	0.00	0.00	37.89	38.53	52.0	0.0	0.741
29.00	0.61	0.78	0.00	0.00	0.00	37.80	38.44	52.0	0.0	0.739
30.00	0.61	0.79	0.00	0.00	0.00	37.71	38.34	52.0	0.0	0.738
31.00	0.61	0.79	0.00	0.00	0.00	37.61	38.24	52.0	0.0	0.736
32.00	0.61	0.79	0.00	0.00	0.00	37.51	38.14	52.0	0.0	0.734
33.00	0.61	0.80	0.00	0.00	0.00	37.40	38.04	52.0	0.0	0.732
34.00	0.60	0.80	0.00	0.00	0.00	37.30	37.93	52.0	0.0	0.730
35.00	0.60	0.80	0.00	0.00	0.00	37.19	37.81	52.0	0.0	0.727
36.00	0.60	0.80	0.00	0.00	0.00	37.07	37.70	52.0	0.0	0.725
37.00	0.60	0.81	0.00	0.00	0.00	36.96	37.58	52.0	0.0	0.723
38.00	0.60	0.81	0.00	0.00	0.00	36.83	37.46	52.0	0.0	0.721
39.00	0.60	0.81	0.00	0.00	0.00	36.71	37.33	52.0	0.0	0.718
40.00	0.59	0.81	0.00	0.00	0.00	36.58	37.20	52.0	0.0	0.716
41.00	0.59	0.82	0.00	0.00	0.00	36.45	37.07	52.0	0.0	0.713
42.00	0.59	0.82	0.00	0.00	0.00	36.31	36.93	52.0	0.0	0.710
43.00	0.59	0.82	0.00	0.00	0.00	36.17	36.79	52.0	0.0	0.708
44.00	0.59	0.83	0.00	0.00	0.00	36.03	36.64	52.0	0.0	0.705
45.00	0.58	0.83	0.00	0.00	0.00	35.88	36.49	52.0	0.0	0.702
46.00	0.58	0.83	0.00	0.00	0.00	35.73	36.34	52.0	0.0	0.699
46.25	0.58	0.83	0.00	0.00	0.00	35.69	36.30	52.0	0.0	0.698
47.00	0.58	0.84	0.00	0.00	0.00	35.57	36.18	52.0	0.0	0.696
48.00	0.57	0.84	0.00	0.00	0.00	35.41	36.01	52.0	0.0	0.693
49.00	0.57	0.84	0.00	0.00	0.00	35.24	35.84	52.0	0.0	0.689

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev: 0.000 (ft)

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Load Case: Ice	77.94 mph Wind with Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

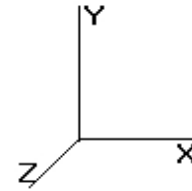
50.00	0.56	0.84	0.00	0.00	0.00	35.07	35.66	52.0	0.0	0.686
51.00	0.54	0.82	0.00	0.00	0.00	33.04	33.61	52.0	0.0	0.647
52.00	0.54	0.83	0.00	0.00	0.00	32.86	33.43	52.0	0.0	0.643
53.00	0.54	0.83	0.00	0.00	0.00	32.68	33.24	52.0	0.0	0.640
54.00	0.54	0.83	0.00	0.00	0.00	32.49	33.05	52.0	0.0	0.636
55.00	0.53	0.83	0.00	0.00	0.00	32.29	32.86	52.0	0.0	0.632
56.00	0.53	0.84	0.00	0.00	0.00	32.09	32.65	52.0	0.0	0.628
57.00	0.53	0.84	0.00	0.00	0.00	31.88	32.45	52.0	0.0	0.624
58.00	0.53	0.84	0.00	0.00	0.00	31.67	32.23	52.0	0.0	0.620
59.00	0.53	0.85	0.00	0.00	0.00	31.46	32.02	52.0	0.0	0.616
60.00	0.52	0.85	0.00	0.00	0.00	31.24	31.79	52.0	0.0	0.612
61.00	0.52	0.85	0.00	0.00	0.00	31.01	31.56	52.0	0.0	0.607
62.00	0.52	0.85	0.00	0.00	0.00	30.77	31.33	52.0	0.0	0.603
63.00	0.52	0.86	0.00	0.00	0.00	30.53	31.09	52.0	0.0	0.598
64.00	0.52	0.86	0.00	0.00	0.00	30.29	30.84	52.0	0.0	0.593
65.00	0.51	0.86	0.00	0.00	0.00	30.04	30.59	52.0	0.0	0.588
66.00	0.51	0.87	0.00	0.00	0.00	29.78	30.32	52.0	0.0	0.583
67.00	0.51	0.87	0.00	0.00	0.00	29.51	30.06	52.0	0.0	0.578
68.00	0.51	0.87	0.00	0.00	0.00	29.24	29.78	52.0	0.0	0.573
69.00	0.50	0.87	0.00	0.00	0.00	28.96	29.50	52.0	0.0	0.568
70.00	0.50	0.88	0.00	0.00	0.00	28.67	29.21	52.0	0.0	0.562
71.00	0.50	0.88	0.00	0.00	0.00	28.38	28.92	52.0	0.0	0.556
72.00	0.50	0.88	0.00	0.00	0.00	28.07	28.61	52.0	0.0	0.550
73.00	0.50	0.89	0.00	0.00	0.00	27.76	28.30	52.0	0.0	0.544
74.00	0.49	0.89	0.00	0.00	0.00	27.45	27.98	52.0	0.0	0.538
75.00	0.49	0.89	0.00	0.00	0.00	27.12	27.66	52.0	0.0	0.532
76.00	0.49	0.90	0.00	0.00	0.00	26.78	27.32	52.0	0.0	0.526
77.00	0.49	0.90	0.00	0.00	0.00	26.44	26.97	52.0	0.0	0.519
78.00	0.49	0.90	0.00	0.00	0.00	26.09	26.62	52.0	0.0	0.512
79.00	0.48	0.91	0.00	0.00	0.00	25.72	26.26	52.0	0.0	0.505
80.00	0.48	0.91	0.00	0.00	0.00	25.35	25.88	52.0	0.0	0.498
81.00	0.48	0.91	0.00	0.00	0.00	24.97	25.50	52.0	0.0	0.491
82.00	0.48	0.92	0.00	0.00	0.00	24.58	25.11	52.0	0.0	0.483
83.00	0.48	0.92	0.00	0.00	0.00	24.18	24.71	52.0	0.0	0.475
84.00	0.47	0.92	0.00	0.00	0.00	23.76	24.29	52.0	0.0	0.467
85.00	0.47	0.93	0.00	0.00	0.00	23.34	23.87	52.0	0.0	0.459
86.00	0.47	0.93	0.00	0.00	0.00	22.90	23.43	52.0	0.0	0.451
87.00	0.42	0.84	0.00	0.00	0.00	22.46	22.92	52.0	0.0	0.441
88.00	0.42	0.84	0.00	0.00	0.00	22.08	22.54	52.0	0.0	0.434
89.00	0.41	0.84	0.00	0.00	0.00	21.69	22.15	52.0	0.0	0.426
90.00	0.41	0.85	0.00	0.00	0.00	21.29	21.75	52.0	0.0	0.418
91.00	0.41	0.85	0.00	0.00	0.00	20.88	21.34	52.0	0.0	0.411
92.00	0.41	0.85	0.00	0.00	0.00	20.46	20.92	52.0	0.0	0.402
93.00	0.41	0.85	0.00	0.00	0.00	20.02	20.48	52.0	0.0	0.394
93.50	0.41	0.86	0.00	0.00	0.00	19.80	20.26	52.0	0.0	0.390
94.00	0.40	0.86	0.00	0.00	0.00	19.58	20.04	52.0	0.0	0.385
95.00	0.40	0.86	0.00	0.00	0.00	19.12	19.58	52.0	0.0	0.377
96.00	0.40	0.86	0.00	0.00	0.00	18.65	19.11	52.0	0.0	0.368
97.00	0.39	0.87	0.00	0.00	0.00	18.17	18.62	52.0	0.0	0.358
97.25	1.02	2.26	0.00	0.00	0.00	45.35	46.54	51.3	0.0	0.906
98.00	1.02	2.27	0.00	0.00	0.00	44.40	45.59	51.5	0.0	0.886
99.00	1.02	2.28	0.00	0.00	0.00	43.10	44.29	51.6	0.0	0.858
100.00	0.85	1.89	0.00	0.00	0.00	41.76	42.74	51.8	0.0	0.825
101.00	0.85	1.90	0.00	0.00	0.00	40.73	41.71	51.9	0.0	0.803
102.00	0.85	1.91	0.00	0.00	0.00	39.66	40.65	52.0	0.0	0.782
103.00	0.85	1.92	0.00	0.00	0.00	38.57	39.56	52.0	0.0	0.761
104.00	0.85	1.92	0.00	0.00	0.00	37.45	38.44	52.0	0.0	0.739

Pole : 310968
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Load Case: Ice

77.94 mph Wind with Ice

30 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

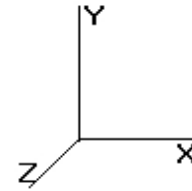
105.00	0.85	1.93	0.00	0.00	0.00	36.29	37.29	52.0	0.0	0.717
106.00	0.85	1.94	0.00	0.00	0.00	35.10	36.10	52.0	0.0	0.695
107.00	0.84	1.95	0.00	0.00	0.00	33.88	34.89	52.0	0.0	0.671
108.00	0.84	1.96	0.00	0.00	0.00	32.62	33.63	52.0	0.0	0.647
109.00	0.84	1.96	0.00	0.00	0.00	31.33	32.35	52.0	0.0	0.622
110.00	0.68	1.53	0.00	0.00	0.00	29.99	30.79	52.0	0.0	0.592
111.00	0.68	1.54	0.00	0.00	0.00	29.03	29.83	52.0	0.0	0.574
112.00	0.68	1.54	0.00	0.00	0.00	28.04	28.85	52.0	0.0	0.555
113.00	0.68	1.55	0.00	0.00	0.00	27.03	27.84	52.0	0.0	0.536
114.00	0.68	1.55	0.00	0.00	0.00	25.98	26.80	52.0	0.0	0.516
115.00	0.68	1.56	0.00	0.00	0.00	24.91	25.73	52.0	0.0	0.495
116.00	0.68	1.56	0.00	0.00	0.00	23.80	24.63	52.0	0.0	0.474
117.00	0.68	1.57	0.00	0.00	0.00	22.66	23.50	52.0	0.0	0.452
118.00	0.68	1.57	0.00	0.00	0.00	21.49	22.34	52.0	0.0	0.430
119.00	0.68	1.58	0.00	0.00	0.00	20.29	21.14	52.0	0.0	0.407
120.00	0.54	1.24	0.00	0.00	0.00	19.05	19.70	52.0	0.0	0.379
121.00	0.54	1.24	0.00	0.00	0.00	18.12	18.78	52.0	0.0	0.361
122.00	0.54	1.24	0.00	0.00	0.00	17.17	17.84	52.0	0.0	0.343
123.00	0.54	1.24	0.00	0.00	0.00	16.19	16.86	52.0	0.0	0.324
124.00	0.54	1.25	0.00	0.00	0.00	15.18	15.86	52.0	0.0	0.305
125.00	0.54	1.25	0.00	0.00	0.00	14.14	14.83	52.0	0.0	0.285
126.00	0.54	1.25	0.00	0.00	0.00	13.07	13.78	52.0	0.0	0.265
127.00	0.54	1.26	0.00	0.00	0.00	11.97	12.69	52.0	0.0	0.244
128.00	0.54	1.26	0.00	0.00	0.00	10.84	11.58	52.0	0.0	0.223
129.00	0.54	1.26	0.00	0.00	0.00	9.67	10.44	52.0	0.0	0.201
130.00	0.32	0.76	0.00	0.00	0.00	8.47	8.89	52.0	0.0	0.171
131.00	0.32	0.76	0.00	0.00	0.00	7.78	8.21	52.0	0.0	0.158
132.00	0.31	0.76	0.00	0.00	0.00	7.08	7.51	52.0	0.0	0.145
133.00	0.31	0.76	0.00	0.00	0.00	6.36	6.80	52.0	0.0	0.131
134.00	0.31	0.76	0.00	0.00	0.00	5.62	6.08	52.0	0.0	0.117
135.00	0.31	0.76	0.00	0.00	0.00	4.86	5.34	52.0	0.0	0.103
136.00	0.31	0.75	0.00	0.00	0.00	4.09	4.58	52.0	0.0	0.088
137.00	0.31	0.75	0.00	0.00	0.00	3.29	3.82	52.0	0.0	0.073
138.00	0.08	0.10	0.00	0.00	0.00	0.96	1.06	52.0	0.0	0.020
139.00	0.08	0.09	0.00	0.00	0.00	0.86	0.95	52.0	0.0	0.018
140.00	0.00	0.08	0.00	0.00	0.00	0.76	0.78	52.0	0.0	0.015

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway	50.00 mph Wind with No Ice	28 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Shaft Segment Forces

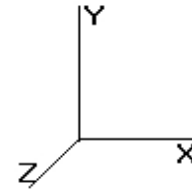
Seg Top														
Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		0.00	1.00	6.400	10.81	196.37	0.650	0.000	0.00	0.000	0.00	0.0	0.0	
1.00		0.00	1.00	6.400	10.81	195.54	0.650	0.000	1.00	3.919	2.55	27.6	0.0	251.3
2.00		0.00	1.00	6.400	10.81	194.70	0.650	0.000	1.00	3.902	2.54	27.4	0.0	250.2
3.00		0.00	1.00	6.400	10.81	193.87	0.650	0.000	1.00	3.886	2.53	27.3	0.0	249.1
4.00		0.00	1.00	6.400	10.81	193.04	0.650	0.000	1.00	3.869	2.51	27.2	0.0	248.0
5.00		0.00	1.00	6.400	10.81	192.20	0.650	0.000	1.00	3.852	2.50	27.1	0.0	246.9
6.00		0.00	1.00	6.400	10.81	191.37	0.650	0.000	1.00	3.836	2.49	27.0	0.0	245.9
7.00		0.00	1.00	6.400	10.81	190.54	0.650	0.000	1.00	3.819	2.48	26.9	0.0	244.8
8.00		0.00	1.00	6.400	10.81	189.70	0.650	0.000	1.00	3.802	2.47	26.7	0.0	243.7
9.00		0.00	1.00	6.400	10.81	188.87	0.650	0.000	1.00	3.786	2.46	26.6	0.0	242.6
10.00		0.00	1.00	6.400	10.81	188.04	0.650	0.000	1.00	3.769	2.45	26.5	0.0	241.5
11.00		0.00	1.00	6.400	10.81	187.20	0.650	0.000	1.00	3.752	2.44	26.4	0.0	240.5
12.00		0.00	1.00	6.400	10.81	186.37	0.650	0.000	1.00	3.736	2.43	26.3	0.0	239.4
13.00		0.00	1.00	6.400	10.81	185.54	0.650	0.000	1.00	3.719	2.42	26.1	0.0	238.3
14.00		0.00	1.00	6.400	10.81	184.70	0.650	0.000	1.00	3.702	2.41	26.0	0.0	237.2
15.00		0.00	1.00	6.400	10.81	183.87	0.650	0.000	1.00	3.686	2.40	25.9	0.0	236.1
16.00		0.00	1.00	6.400	10.81	183.03	0.650	0.000	1.00	3.669	2.38	25.8	0.0	235.1
17.00		0.00	1.00	6.400	10.81	182.20	0.650	0.000	1.00	3.652	2.37	25.7	0.0	234.0
18.00		0.00	1.00	6.400	10.81	181.37	0.650	0.000	1.00	3.636	2.36	25.6	0.0	232.9
19.00		0.00	1.00	6.400	10.81	180.53	0.650	0.000	1.00	3.619	2.35	25.4	0.0	231.8
20.00		0.00	1.00	6.400	10.81	179.70	0.650	0.000	1.00	3.602	2.34	25.3	0.0	230.7
21.00		0.00	1.00	6.400	10.81	178.87	0.650	0.000	1.00	3.586	2.33	25.2	0.0	229.7
22.00		0.00	1.00	6.400	10.81	178.03	0.650	0.000	1.00	3.569	2.32	25.1	0.0	228.6
23.00		0.00	1.00	6.400	10.81	177.20	0.650	0.000	1.00	3.552	2.31	25.0	0.0	227.5
24.00		0.00	1.00	6.400	10.81	176.37	0.650	0.000	1.00	3.536	2.30	24.9	0.0	226.4
25.00		0.00	1.00	6.400	10.81	175.53	0.650	0.000	1.00	3.519	2.29	24.7	0.0	225.3
26.00		0.00	1.00	6.400	10.81	174.70	0.650	0.000	1.00	3.502	2.28	24.6	0.0	224.3
27.00		0.00	1.00	6.400	10.81	173.87	0.650	0.000	1.00	3.486	2.27	24.5	0.0	223.2
28.00		0.00	1.00	6.400	10.81	173.03	0.650	0.000	1.00	3.469	2.25	24.4	0.0	222.1
29.00		0.00	1.00	6.400	10.81	172.20	0.650	0.000	1.00	3.452	2.24	24.3	0.0	221.0
30.00		0.00	1.00	6.400	10.81	171.37	0.650	0.000	1.00	3.436	2.23	24.2	0.0	219.9
31.00		0.00	1.00	6.400	10.81	170.53	0.650	0.000	1.00	3.419	2.22	24.0	0.0	218.9
32.00		0.00	1.00	6.400	10.81	169.70	0.650	0.000	1.00	3.402	2.21	23.9	0.0	217.8
33.00		0.00	1.00	6.400	10.81	168.87	0.650	0.000	1.00	3.386	2.20	23.8	0.0	216.7
34.00		0.00	1.00	6.455	10.90	168.75	0.650	0.000	1.00	3.369	2.19	23.9	0.0	215.6
35.00		0.00	1.01	6.509	10.99	168.61	0.650	0.000	1.00	3.352	2.18	24.0	0.0	214.5
36.00		0.00	1.02	6.561	11.08	168.45	0.650	0.000	1.00	3.336	2.17	24.0	0.0	213.5
37.00		0.00	1.03	6.613	11.17	168.26	0.650	0.000	1.00	3.319	2.16	24.1	0.0	212.4
38.00		0.00	1.04	6.663	11.26	168.05	0.650	0.000	1.00	3.302	2.15	24.2	0.0	211.3
39.00		0.00	1.04	6.713	11.34	167.82	0.650	0.000	1.00	3.286	2.14	24.2	0.0	210.2
40.00		0.00	1.05	6.762	11.42	167.57	0.650	0.000	1.00	3.269	2.12	24.3	0.0	209.1
41.00		0.00	1.06	6.809	11.50	167.31	0.650	0.000	1.00	3.252	2.11	24.3	0.0	208.1
42.00		0.00	1.07	6.857	11.58	167.02	0.650	0.000	1.00	3.236	2.10	24.4	0.0	207.0
43.00		0.00	1.07	6.903	11.66	166.72	0.650	0.000	1.00	3.219	2.09	24.4	0.0	205.9
44.00		0.00	1.08	6.948	11.74	166.40	0.650	0.000	1.00	3.202	2.08	24.4	0.0	204.8
45.00		0.00	1.09	6.993	11.81	166.06	0.650	0.000	1.00	3.186	2.07	24.5	0.0	203.7
46.00		0.00	1.10	7.037	11.89	165.71	0.650	0.000	1.00	3.169	2.06	24.5	0.0	202.7
46.25	Bot - Section 2	0.00	1.10	7.048	11.91	165.62	0.650	0.000	0.25	0.790	0.51	6.1	0.0	50.5
47.00		0.00	1.10	7.080	11.96	165.34	0.650	0.000	0.75	2.425	1.58	18.9	0.0	306.2
48.00		0.00	1.11	7.123	12.03	164.96	0.650	0.000	1.00	3.219	2.09	25.2	0.0	406.4
49.00		0.00	1.12	7.165	12.10	164.57	0.650	0.000	1.00	3.202	2.08	25.2	0.0	404.2

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway **50.00 mph Wind with No Ice** **28 Iterations**

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

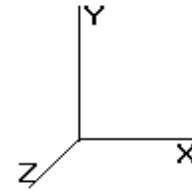
50.00		0.00	1.12	7.207	12.17	164.16	0.650	0.000	1.00	3.186	2.07	25.2	0.0	402.1
51.00	Top - Section 1	0.00	1.13	7.248	12.24	163.74	0.650	0.000	1.00	3.169	2.06	25.2	0.0	399.9
52.00		0.00	1.13	7.288	12.31	167.75	0.650	0.000	1.00	3.152	2.05	25.2	0.0	201.6
53.00		0.00	1.14	7.328	12.38	167.31	0.650	0.000	1.00	3.136	2.04	25.2	0.0	200.5
54.00		0.00	1.15	7.367	12.45	166.87	0.650	0.000	1.00	3.119	2.03	25.2	0.0	199.4
55.00		0.00	1.15	7.406	12.51	166.41	0.650	0.000	1.00	3.102	2.02	25.2	0.0	198.3
56.00		0.00	1.16	7.444	12.58	165.94	0.650	0.000	1.00	3.086	2.01	25.2	0.0	197.3
57.00		0.00	1.16	7.482	12.64	165.46	0.650	0.000	1.00	3.069	1.99	25.2	0.0	196.2
58.00		0.00	1.17	7.519	12.70	164.96	0.650	0.000	1.00	3.052	1.98	25.2	0.0	195.1
59.00		0.00	1.18	7.556	12.76	164.46	0.650	0.000	1.00	3.036	1.97	25.2	0.0	194.0
60.00		0.00	1.18	7.592	12.83	163.95	0.650	0.000	1.00	3.019	1.96	25.2	0.0	192.9
61.00		0.00	1.19	7.628	12.89	163.43	0.650	0.000	1.00	3.002	1.95	25.2	0.0	191.9
62.00		0.00	1.19	7.664	12.95	162.90	0.650	0.000	1.00	2.986	1.94	25.1	0.0	190.8
63.00		0.00	1.20	7.699	13.01	162.35	0.650	0.000	1.00	2.969	1.93	25.1	0.0	189.7
64.00		0.00	1.20	7.733	13.06	161.80	0.650	0.000	1.00	2.952	1.92	25.1	0.0	188.6
65.00		0.00	1.21	7.768	13.12	161.24	0.650	0.000	1.00	2.936	1.91	25.0	0.0	187.5
66.00		0.00	1.21	7.802	13.18	160.68	0.650	0.000	1.00	2.919	1.90	25.0	0.0	186.4
67.00		0.00	1.22	7.835	13.24	160.10	0.650	0.000	1.00	2.902	1.89	25.0	0.0	185.4
68.00		0.00	1.22	7.869	13.29	159.51	0.650	0.000	1.00	2.886	1.88	24.9	0.0	184.3
69.00		0.00	1.23	7.901	13.35	158.92	0.650	0.000	1.00	2.869	1.86	24.9	0.0	183.2
70.00		0.00	1.24	7.934	13.40	158.32	0.650	0.000	1.00	2.852	1.85	24.9	0.0	182.1
71.00		0.00	1.24	7.966	13.46	157.71	0.650	0.000	1.00	2.836	1.84	24.8	0.0	181.0
72.00		0.00	1.25	7.998	13.51	157.09	0.650	0.000	1.00	2.819	1.83	24.8	0.0	180.0
73.00		0.00	1.25	8.030	13.57	156.47	0.650	0.000	1.00	2.802	1.82	24.7	0.0	178.9
74.00		0.00	1.26	8.061	13.62	155.84	0.650	0.000	1.00	2.786	1.81	24.7	0.0	177.8
75.00		0.00	1.26	8.092	13.67	155.20	0.650	0.000	1.00	2.769	1.80	24.6	0.0	176.7
76.00		0.00	1.26	8.123	13.72	154.56	0.650	0.000	1.00	2.752	1.79	24.6	0.0	175.6
77.00		0.00	1.27	8.153	13.77	153.91	0.650	0.000	1.00	2.736	1.78	24.5	0.0	174.6
78.00		0.00	1.27	8.183	13.82	153.25	0.650	0.000	1.00	2.719	1.77	24.4	0.0	173.5
79.00		0.00	1.28	8.213	13.88	152.58	0.650	0.000	1.00	2.702	1.76	24.4	0.0	172.4
80.00		0.00	1.28	8.242	13.93	151.91	0.650	0.000	1.00	2.686	1.75	24.3	0.0	171.3
81.00		0.00	1.29	8.272	13.97	151.23	0.650	0.000	1.00	2.669	1.73	24.3	0.0	170.2
82.00		0.00	1.29	8.301	14.02	150.55	0.650	0.000	1.00	2.652	1.72	24.2	0.0	169.2
83.00		0.00	1.30	8.330	14.07	149.86	0.650	0.000	1.00	2.636	1.71	24.1	0.0	168.1
84.00		0.00	1.30	8.358	14.12	149.16	0.650	0.000	1.00	2.619	1.70	24.0	0.0	167.0
85.00		0.00	1.31	8.387	14.17	148.46	0.650	0.000	1.00	2.602	1.69	24.0	0.0	165.9
86.00		0.00	1.31	8.415	14.22	147.75	0.650	0.000	1.00	2.586	1.68	23.9	0.0	164.8
87.00	Appertunance(s)	0.00	1.31	8.442	14.26	147.04	0.650	0.000	1.00	2.569	1.67	23.8	0.0	163.8
88.00		0.00	1.32	8.470	14.31	146.32	0.650	0.000	1.00	2.552	1.66	23.7	0.0	162.7
89.00		0.00	1.32	8.497	14.36	145.60	0.650	0.000	1.00	2.536	1.65	23.7	0.0	161.6
90.00		0.00	1.33	8.525	14.40	144.87	0.650	0.000	1.00	2.519	1.64	23.6	0.0	160.5
91.00		0.00	1.33	8.552	14.45	144.13	0.650	0.000	1.00	2.502	1.63	23.5	0.0	159.4
92.00		0.00	1.34	8.578	14.49	143.39	0.650	0.000	1.00	2.486	1.62	23.4	0.0	158.4
93.00		0.00	1.34	8.605	14.54	142.65	0.650	0.000	1.00	2.469	1.60	23.3	0.0	157.3
93.50	Bot - Section 3	0.00	1.34	8.618	14.56	142.28	0.650	0.000	0.50	1.228	0.80	11.6	0.0	78.2
94.00		0.00	1.34	8.631	14.58	141.90	0.650	0.000	0.50	1.240	0.81	11.8	0.0	107.9
95.00		0.00	1.35	8.657	14.63	141.15	0.650	0.000	1.00	2.467	1.60	23.5	0.0	214.7
96.00		0.00	1.35	8.683	14.67	140.39	0.650	0.000	1.00	2.450	1.59	23.4	0.0	213.2
97.00		0.00	1.36	8.709	14.71	139.62	0.650	0.000	1.00	2.433	1.58	23.3	0.0	211.7
97.25	Top - Section 2	0.00	1.36	8.715	14.72	139.43	0.650	0.000	0.25	0.606	0.39	5.8	0.0	52.7
98.00		0.00	1.36	8.735	14.76	140.68	0.650	0.000	0.75	1.811	1.18	17.4	0.0	43.7
99.00		0.00	1.36	8.760	14.80	139.91	0.650	0.000	1.00	2.400	1.56	23.1	0.0	57.9
100.0	Appertunance(s)	0.00	1.37	8.785	14.84	139.13	0.650	0.000	1.00	2.383	1.55	23.0	0.0	57.5
101.0		0.00	1.37	8.810	14.88	138.35	0.650	0.000	1.00	2.367	1.54	22.9	0.0	57.1
102.0		0.00	1.38	8.835	14.93	137.57	0.650	0.000	1.00	2.350	1.53	22.8	0.0	56.7
103.0		0.00	1.38	8.860	14.97	136.78	0.650	0.000	1.00	2.333	1.52	22.7	0.0	56.3
104.0		0.00	1.38	8.884	15.01	135.99	0.650	0.000	1.00	2.317	1.51	22.6	0.0	55.9

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
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Load Case: Twist/Sway **50.00 mph Wind with No Ice** **28 Iterations**

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

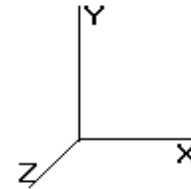
105.0		0.00	1.39	8.908	15.05	135.19	0.650	0.000	1.00	2.300	1.50	22.5	0.0	55.5
106.0		0.00	1.39	8.933	15.09	134.39	0.650	0.000	1.00	2.283	1.48	22.4	0.0	55.1
107.0		0.00	1.39	8.957	15.13	133.58	0.650	0.000	1.00	2.267	1.47	22.3	0.0	54.7
108.0		0.00	1.40	8.980	15.17	132.77	0.650	0.000	1.00	2.250	1.46	22.2	0.0	54.3
109.0		0.00	1.40	9.004	15.21	131.96	0.650	0.000	1.00	2.233	1.45	22.1	0.0	53.9
110.0	Appertunance(s)	0.00	1.41	9.028	15.25	131.14	0.650	0.000	1.00	2.217	1.44	22.0	0.0	53.5
111.0		0.00	1.41	9.051	15.29	130.32	0.650	0.000	1.00	2.200	1.43	21.9	0.0	53.1
112.0		0.00	1.41	9.074	15.33	129.49	0.650	0.000	1.00	2.183	1.42	21.8	0.0	52.7
113.0		0.00	1.42	9.097	15.37	128.66	0.650	0.000	1.00	2.167	1.41	21.7	0.0	52.3
114.0		0.00	1.42	9.120	15.41	127.83	0.650	0.000	1.00	2.150	1.40	21.5	0.0	51.9
115.0		0.00	1.42	9.143	15.45	126.99	0.650	0.000	1.00	2.133	1.39	21.4	0.0	51.5
116.0		0.00	1.43	9.166	15.49	126.15	0.650	0.000	1.00	2.117	1.38	21.3	0.0	51.1
117.0		0.00	1.43	9.188	15.52	125.31	0.650	0.000	1.00	2.100	1.37	21.2	0.0	50.7
118.0		0.00	1.43	9.211	15.56	124.46	0.650	0.000	1.00	2.083	1.35	21.1	0.0	50.2
119.0		0.00	1.44	9.233	15.60	123.61	0.650	0.000	1.00	2.067	1.34	21.0	0.0	49.8
120.0	Appertunance(s)	0.00	1.44	9.255	15.64	122.76	0.650	0.000	1.00	2.050	1.33	20.8	0.0	49.4
121.0		0.00	1.45	9.277	15.67	121.90	0.650	0.000	1.00	2.033	1.32	20.7	0.0	49.0
122.0		0.00	1.45	9.299	15.71	121.04	0.650	0.000	1.00	2.017	1.31	20.6	0.0	48.6
123.0		0.00	1.45	9.320	15.75	120.17	0.650	0.000	1.00	2.000	1.30	20.5	0.0	48.2
124.0		0.00	1.46	9.342	15.78	119.31	0.650	0.000	1.00	1.983	1.29	20.4	0.0	47.8
125.0		0.00	1.46	9.363	15.82	118.43	0.650	0.000	1.00	1.967	1.28	20.2	0.0	47.4
126.0		0.00	1.46	9.385	15.86	117.56	0.650	0.000	1.00	1.950	1.27	20.1	0.0	47.0
127.0		0.00	1.47	9.406	15.89	116.68	0.650	0.000	1.00	1.933	1.26	20.0	0.0	46.6
128.0		0.00	1.47	9.427	15.93	115.80	0.650	0.000	1.00	1.917	1.25	19.8	0.0	46.2
129.0		0.00	1.47	9.448	15.96	114.92	0.650	0.000	1.00	1.900	1.24	19.7	0.0	45.8
130.0	Appertunance(s)	0.00	1.48	9.469	16.00	114.03	0.650	0.000	1.00	1.883	1.22	19.6	0.0	45.4
131.0		0.00	1.48	9.490	16.03	113.14	0.650	0.000	1.00	1.867	1.21	19.5	0.0	45.0
132.0		0.00	1.48	9.510	16.07	112.25	0.650	0.000	1.00	1.850	1.20	19.3	0.0	44.6
133.0		0.00	1.48	9.531	16.10	111.35	0.650	0.000	1.00	1.833	1.19	19.2	0.0	44.2
134.0		0.00	1.49	9.551	16.14	110.45	0.650	0.000	1.00	1.817	1.18	19.1	0.0	43.8
135.0		0.00	1.49	9.572	16.17	109.55	0.650	0.000	1.00	1.800	1.17	18.9	0.0	43.4
136.0		0.00	1.49	9.592	16.21	108.65	0.650	0.000	1.00	1.783	1.16	18.8	0.0	43.0
137.0		0.00	1.50	9.612	16.24	107.74	0.650	0.000	1.00	1.767	1.15	18.7	0.0	42.6
138.0	Appertunance(s)	0.00	1.50	9.632	16.27	106.83	0.650	0.000	1.00	1.750	1.14	18.5	0.0	42.1
139.0		0.00	1.50	9.652	16.31	105.91	0.650	0.000	1.00	1.733	1.13	18.4	0.0	41.7
140.0	Appertunance(s)	0.00	1.51	9.672	16.34	105.00	0.650	0.000	1.00	1.717	1.12	18.2	0.0	41.3
Totals:									140.00			3,312.1	0.0	22,952.4

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway	50.00 mph Wind with No Ice	28 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Discrete Appurtenance Segment Forces

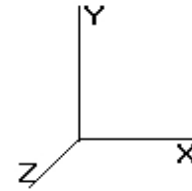
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Flat Low Profile Pla	1	8.442	14.268	1.00	26.10	0.000	0.000	372.39	0.00	0.00	1,500.00
87.00	Ericsson AIR 21, 1.3	3	8.442	14.268	0.69	13.62	0.000	0.000	194.33	0.00	0.00	244.50
87.00	Ericsson AIR 21, 1.3	3	8.442	14.268	0.69	13.52	0.000	0.000	192.86	0.00	0.00	249.00
87.00	RFS ATMAP1412D-	3	8.442	14.268	0.33	0.99	0.000	0.000	14.13	0.00	0.00	39.00
100.0	Flat Low Profile Pla	1	8.785	14.847	1.00	26.10	0.000	0.000	387.50	0.00	0.00	1,500.00
100.0	Powerwave LGP21901	6	8.785	14.847	0.33	0.46	0.000	0.000	6.76	0.00	0.00	33.00
100.0	Ericsson RRUS 11 (Ba	6	8.785	14.847	0.50	8.82	0.000	0.000	130.95	0.00	0.00	330.00
100.0	Powerwave P65-16-	3	8.785	14.847	0.50	12.60	0.000	0.000	187.07	0.00	0.00	159.00
100.0	Raycap DC6-48-60-18-	1	8.785	14.847	0.80	1.18	0.000	0.000	17.46	0.00	0.00	31.80
100.0	Powerwave 7770.00	6	8.785	14.847	0.65	22.93	0.000	0.000	340.47	0.00	0.00	210.00
100.0	Powerwave LGP21401	6	8.785	14.847	0.33	2.55	0.000	0.000	37.92	0.00	0.00	84.60
110.0	Diamond X50A	2	9.028	15.257	1.00	2.24	0.000	0.000	34.18	0.00	0.00	4.60
110.0	Round Low Profile PI	1	9.028	15.257	0.90	19.53	0.000	0.000	297.96	0.00	0.00	1,500.00
110.0	Powerwave P65-16-	2	9.028	15.257	0.64	10.75	0.000	0.000	164.04	0.00	0.00	66.00
110.0	RFS FD9R6004/2C-3L	6	9.028	15.257	0.33	0.73	0.000	0.000	11.18	0.00	0.00	15.60
110.0	Antel BXA-70063/6CF	1	9.028	15.257	0.65	5.03	0.000	0.000	76.76	0.00	0.00	14.90
110.0	Antel BXA-171063-8BF	3	9.028	15.257	0.71	6.26	0.000	0.000	95.54	0.00	0.00	31.50
110.0	Antel BXA-171063-12C	3	9.028	15.257	0.72	10.35	0.000	0.000	157.85	0.00	0.00	45.00
110.0	Antel BXA-70080/6CF	3	9.028	15.257	0.72	12.61	0.000	0.000	192.45	0.00	0.00	54.24
110.0	RFS DB-T1-6Z-8AB-0Z	1	9.028	15.257	0.50	2.80	0.000	0.000	42.72	0.00	0.00	44.00
110.0	Alcatel-Lucent RRH2x	3	9.028	15.257	0.50	3.76	0.000	0.000	57.44	0.00	0.00	132.00
120.0	48" x 8" Panels	12	9.255	15.641	0.66	29.54	0.000	0.000	462.05	0.00	0.00	240.00
120.0	Flat Low Profile Pla	1	9.255	15.641	0.90	23.49	0.000	0.000	367.40	0.00	0.00	1,500.00
130.0	Flat Low Profile Pla	1	9.469	16.003	1.00	26.10	0.000	0.000	417.67	0.00	0.00	1,500.00
130.0	RFS APXVSPP18-C-	3	9.469	16.003	0.68	16.85	0.000	0.000	269.65	0.00	0.00	171.00
130.0	Alcatel-Lucent 800 M	3	9.469	16.003	0.50	3.60	0.000	0.000	57.61	0.00	0.00	192.00
130.0	Alcatel-Lucent 4x40W	3	9.469	16.003	0.50	5.74	0.000	0.000	91.93	0.00	0.00	273.00
130.0	Alcatel-Lucent TD-RR	3	9.469	16.003	0.50	7.08	0.000	0.000	113.30	0.00	0.00	180.00
130.0	RFS APXV9TM14-ALU-	3	9.469	16.003	0.65	13.44	0.000	0.000	215.00	0.00	0.00	165.30
138.0	6' Dipole	1	9.711	16.411	1.00	2.22	0.000	4.000	36.43	0.00	145.73	20.00
138.0	6' FM Antenna	1	9.730	16.444	1.00	13.45	0.000	5.000	221.18	0.00	1,105.88	30.00
138.0	8' Omni	2	9.750	16.477	1.00	4.80	0.000	6.000	79.09	0.00	474.54	80.00
138.0	8' Omni	2	9.711	16.411	1.00	4.80	0.000	4.000	78.77	0.00	315.10	80.00
138.0	6' Omni	2	9.711	16.411	1.00	3.52	0.000	4.000	57.77	0.00	231.07	50.00
138.0	Flat Platform w/ Han	1	9.632	16.278	0.90	29.70	0.000	0.000	483.45	0.00	0.00	1,750.00
138.0	Andrew VHLP2.5-10W	1	9.691	16.378	1.00	8.43	0.000	3.000	138.07	0.00	414.21	47.60
138.0	8' Omni (inverted)	1	9.551	16.142	1.00	2.40	0.000	-4.000	38.74	0.00	-154.96	40.00
138.0	Andrew DB589	1	9.765	16.503	1.00	1.38	0.000	6.800	22.77	0.00	154.87	11.50
140.0	10' Pipe	1	9.807	16.574	1.00	5.00	0.000	7.000	82.87	0.00	580.11	752.00
140.0	Commscope DB589-Y	1	9.902	16.734	1.00	1.38	0.000	12.000	23.09	0.00	277.11	11.50
140.0	Side Arm	1	9.807	16.574	1.00	3.00	0.000	7.000	49.72	0.00	348.06	50.00
									6,318.54			13,432.64

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway	50.00 mph Wind with No Ice	28 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Applied Segment Forces Summary

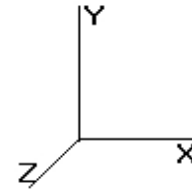
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	27.55	251.26	0.00	0.00
2.00	27.44	250.18	0.00	0.00
3.00	27.32	249.10	0.00	0.00
4.00	27.20	248.02	0.00	0.00
5.00	27.08	246.94	0.00	0.00
6.00	26.97	297.98	0.00	0.00
7.00	26.85	296.90	0.00	0.00
8.00	26.73	295.82	0.00	0.00
9.00	26.62	294.74	0.00	0.00
10.00	26.50	293.66	0.00	0.00
11.00	26.38	292.58	0.00	0.00
12.00	26.26	291.50	0.00	0.00
13.00	26.15	290.42	0.00	0.00
14.00	26.03	289.34	0.00	0.00
15.00	25.91	288.26	0.00	0.00
16.00	25.80	287.18	0.00	0.00
17.00	25.68	286.10	0.00	0.00
18.00	25.56	285.02	0.00	0.00
19.00	25.44	283.94	0.00	0.00
20.00	25.33	282.86	0.00	0.00
21.00	25.21	281.78	0.00	0.00
22.00	25.09	280.70	0.00	0.00
23.00	24.98	279.62	0.00	0.00
24.00	24.86	278.54	0.00	0.00
25.00	24.74	277.46	0.00	0.00
26.00	24.62	276.38	0.00	0.00
27.00	24.51	275.30	0.00	0.00
28.00	24.39	274.22	0.00	0.00
29.00	24.27	273.14	0.00	0.00
30.00	24.15	272.06	0.00	0.00
31.00	24.04	270.98	0.00	0.00
32.00	23.92	269.90	0.00	0.00
33.00	23.80	268.81	0.00	0.00
34.00	23.89	267.73	0.00	0.00
35.00	23.97	266.65	0.00	0.00
36.00	24.04	265.57	0.00	0.00
37.00	24.11	264.49	0.00	0.00
38.00	24.17	263.41	0.00	0.00
39.00	24.23	262.33	0.00	0.00
40.00	24.28	261.25	0.00	0.00
41.00	24.33	260.17	0.00	0.00
42.00	24.37	259.09	0.00	0.00
43.00	24.41	258.01	0.00	0.00
44.00	24.44	256.93	0.00	0.00
45.00	24.47	255.85	0.00	0.00
46.00	24.50	254.77	0.00	0.00
46.25	6.11	63.52	0.00	0.00
47.00	18.86	345.30	0.00	0.00
48.00	25.19	458.51	0.00	0.00

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
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Base Elev : 0.000 (ft)

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Load Case: Twist/Sway 50.00 mph Wind with No Ice 28 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

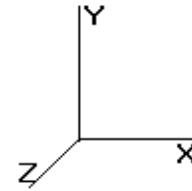
49.00	25.21	456.34	0.00	0.00
50.00	25.22	454.18	0.00	0.00
51.00	25.23	452.02	0.00	0.00
52.00	25.24	253.69	0.00	0.00
53.00	25.24	252.61	0.00	0.00
54.00	25.24	251.53	0.00	0.00
55.00	25.24	250.45	0.00	0.00
56.00	25.23	249.37	0.00	0.00
57.00	25.22	248.29	0.00	0.00
58.00	25.21	247.21	0.00	0.00
59.00	25.20	246.13	0.00	0.00
60.00	25.18	245.05	0.00	0.00
61.00	25.16	243.97	0.00	0.00
62.00	25.13	242.89	0.00	0.00
63.00	25.11	241.81	0.00	0.00
64.00	25.08	240.73	0.00	0.00
65.00	25.05	239.65	0.00	0.00
66.00	25.02	238.57	0.00	0.00
67.00	24.98	237.49	0.00	0.00
68.00	24.94	236.41	0.00	0.00
69.00	24.90	235.33	0.00	0.00
70.00	24.86	234.25	0.00	0.00
71.00	24.81	233.17	0.00	0.00
72.00	24.77	232.09	0.00	0.00
73.00	24.72	231.01	0.00	0.00
74.00	24.67	229.93	0.00	0.00
75.00	24.61	228.85	0.00	0.00
76.00	24.56	227.77	0.00	0.00
77.00	24.50	226.69	0.00	0.00
78.00	24.44	225.61	0.00	0.00
79.00	24.38	224.53	0.00	0.00
80.00	24.32	223.45	0.00	0.00
81.00	24.25	222.37	0.00	0.00
82.00	24.18	221.29	0.00	0.00
83.00	24.12	220.21	0.00	0.00
84.00	24.05	219.12	0.00	0.00
85.00	23.97	218.04	0.00	0.00
86.00	23.90	216.96	0.00	0.00
87.00	797.53	2,248.38	0.00	0.00
88.00	23.75	203.91	0.00	0.00
89.00	23.67	202.83	0.00	0.00
90.00	23.59	201.75	0.00	0.00
91.00	23.51	200.67	0.00	0.00
92.00	23.42	199.59	0.00	0.00
93.00	23.34	198.51	0.00	0.00
93.50	11.63	98.85	0.00	0.00
94.00	11.75	128.52	0.00	0.00
95.00	23.46	255.92	0.00	0.00
96.00	23.37	254.43	0.00	0.00
97.00	23.28	252.95	0.00	0.00
97.25	5.80	63.00	0.00	0.00
98.00	17.38	74.64	0.00	0.00
99.00	23.10	99.17	0.00	0.00
100.0	1,131.13	2,447.17	0.00	0.00
101.0	22.91	87.43	0.00	0.00
102.0	22.81	87.03	0.00	0.00
103.0	22.71	86.62	0.00	0.00

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
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Load Case: Twist/Sway 50.00 mph Wind with No Ice 28 Iterations
 Gust Response Factor : 1.69
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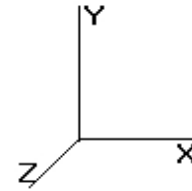
104.0	22.61	86.22	0.00	0.00
105.0	22.51	85.81	0.00	0.00
106.0	22.41	85.41	0.00	0.00
107.0	22.30	85.00	0.00	0.00
108.0	22.20	84.60	0.00	0.00
109.0	22.09	84.19	0.00	0.00
110.0	1,152.10	1,991.63	0.00	0.00
111.0	21.87	72.10	0.00	0.00
112.0	21.76	71.70	0.00	0.00
113.0	21.65	71.29	0.00	0.00
114.0	21.54	70.89	0.00	0.00
115.0	21.43	70.48	0.00	0.00
116.0	21.31	70.08	0.00	0.00
117.0	21.20	69.67	0.00	0.00
118.0	21.08	69.27	0.00	0.00
119.0	20.96	68.86	0.00	0.00
120.0	850.30	1,808.46	0.00	0.00
121.0	20.72	60.49	0.00	0.00
122.0	20.60	60.09	0.00	0.00
123.0	20.48	59.68	0.00	0.00
124.0	20.35	59.28	0.00	0.00
125.0	20.23	58.87	0.00	0.00
126.0	20.10	58.47	0.00	0.00
127.0	19.98	58.06	0.00	0.00
128.0	19.85	57.66	0.00	0.00
129.0	19.72	57.25	0.00	0.00
130.0	1,184.75	2,538.15	0.00	0.00
131.0	19.46	52.44	0.00	0.00
132.0	19.33	52.04	0.00	0.00
133.0	19.19	51.63	0.00	0.00
134.0	19.06	51.23	0.00	0.00
135.0	18.93	50.82	0.00	0.00
136.0	18.79	50.42	0.00	0.00
137.0	18.65	50.01	0.00	0.00
138.0	1,174.80	2,158.71	0.00	2,686.44
139.0	18.38	43.15	0.00	0.00
140.0	173.93	856.25	0.00	1,205.28
Totals:	9,630.61	41,865.01	0.00	3,891.71

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway	50.00 mph Wind with No Ice	28 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Calculated Shaft Forces and Deflections

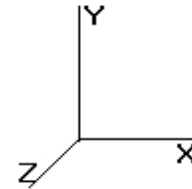
Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-9.633	-41.864	0.000	0.000	0.000	-998.539	0.000	0.000	0.000	0.000
1.00	-9.615	-41.610	0.000	0.000	0.000	-988.907	-0.002	0.000	0.002	-0.014
2.00	-9.598	-41.358	0.000	0.000	0.000	-979.292	-0.006	0.000	0.006	-0.028
3.00	-9.580	-41.106	0.000	0.000	0.000	-969.694	-0.013	0.000	0.013	-0.042
4.00	-9.563	-40.856	0.000	0.000	0.000	-960.114	-0.024	0.000	0.024	-0.056
5.00	-9.546	-40.607	0.000	0.000	0.000	-950.551	-0.037	0.000	0.037	-0.070
6.00	-9.528	-40.306	0.000	0.000	0.000	-941.006	-0.053	0.000	0.053	-0.084
7.00	-9.511	-40.007	0.000	0.000	0.000	-931.478	-0.073	0.000	0.073	-0.098
8.00	-9.493	-39.709	0.000	0.000	0.000	-921.967	-0.095	0.000	0.095	-0.112
9.00	-9.476	-39.412	0.000	0.000	0.000	-912.474	-0.120	0.000	0.120	-0.127
10.00	-9.459	-39.116	0.000	0.000	0.000	-902.998	-0.148	0.000	0.148	-0.141
11.00	-9.441	-38.821	0.000	0.000	0.000	-893.540	-0.179	0.000	0.179	-0.155
12.00	-9.424	-38.527	0.000	0.000	0.000	-884.099	-0.213	0.000	0.213	-0.170
13.00	-9.406	-38.235	0.000	0.000	0.000	-874.675	-0.251	0.000	0.251	-0.184
14.00	-9.389	-37.943	0.000	0.000	0.000	-865.269	-0.291	0.000	0.291	-0.199
15.00	-9.372	-37.652	0.000	0.000	0.000	-855.880	-0.334	0.000	0.334	-0.213
16.00	-9.354	-37.363	0.000	0.000	0.000	-846.509	-0.380	0.000	0.380	-0.228
17.00	-9.337	-37.075	0.000	0.000	0.000	-837.155	-0.430	0.000	0.430	-0.242
18.00	-9.319	-36.787	0.000	0.000	0.000	-827.819	-0.482	0.000	0.482	-0.257
19.00	-9.302	-36.501	0.000	0.000	0.000	-818.500	-0.537	0.000	0.537	-0.272
20.00	-9.285	-36.216	0.000	0.000	0.000	-809.198	-0.596	0.000	0.596	-0.286
21.00	-9.267	-35.932	0.000	0.000	0.000	-799.913	-0.658	0.000	0.658	-0.301
22.00	-9.250	-35.649	0.000	0.000	0.000	-790.646	-0.722	0.000	0.722	-0.316
23.00	-9.232	-35.367	0.000	0.000	0.000	-781.397	-0.790	0.000	0.790	-0.331
24.00	-9.215	-35.086	0.000	0.000	0.000	-772.165	-0.861	0.000	0.861	-0.345
25.00	-9.198	-34.807	0.000	0.000	0.000	-762.950	-0.935	0.000	0.935	-0.360
26.00	-9.180	-34.528	0.000	0.000	0.000	-753.753	-1.012	0.000	1.012	-0.375
27.00	-9.163	-34.251	0.000	0.000	0.000	-744.573	-1.092	0.000	1.092	-0.390
28.00	-9.145	-33.974	0.000	0.000	0.000	-735.410	-1.176	0.000	1.176	-0.405
29.00	-9.128	-33.699	0.000	0.000	0.000	-726.265	-1.262	0.000	1.262	-0.420
30.00	-9.111	-33.425	0.000	0.000	0.000	-717.138	-1.352	0.000	1.352	-0.435
31.00	-9.093	-33.151	0.000	0.000	0.000	-708.027	-1.445	0.000	1.445	-0.450
32.00	-9.076	-32.879	0.000	0.000	0.000	-698.934	-1.541	0.000	1.541	-0.465
33.00	-9.058	-32.608	0.000	0.000	0.000	-689.859	-1.640	0.000	1.640	-0.481
34.00	-9.041	-32.338	0.000	0.000	0.000	-680.800	-1.742	0.000	1.742	-0.496
35.00	-9.023	-32.070	0.000	0.000	0.000	-671.760	-1.848	0.000	1.848	-0.511
36.00	-9.005	-31.802	0.000	0.000	0.000	-662.737	-1.957	0.000	1.957	-0.526
37.00	-8.987	-31.535	0.000	0.000	0.000	-653.732	-2.069	0.000	2.069	-0.541
38.00	-8.968	-31.270	0.000	0.000	0.000	-644.746	-2.184	0.000	2.184	-0.557
39.00	-8.950	-31.005	0.000	0.000	0.000	-635.778	-2.302	0.000	2.302	-0.572
40.00	-8.931	-30.742	0.000	0.000	0.000	-626.828	-2.423	0.000	2.423	-0.587
41.00	-8.912	-30.479	0.000	0.000	0.000	-617.897	-2.548	0.000	2.548	-0.602
42.00	-8.893	-30.218	0.000	0.000	0.000	-608.985	-2.676	0.000	2.676	-0.618
43.00	-8.874	-29.958	0.000	0.000	0.000	-600.091	-2.807	0.000	2.807	-0.633
44.00	-8.855	-29.699	0.000	0.000	0.000	-591.218	-2.941	0.000	2.941	-0.649
45.00	-8.835	-29.441	0.000	0.000	0.000	-582.363	-3.079	0.000	3.079	-0.664
46.00	-8.813	-29.185	0.000	0.000	0.000	-573.528	-3.220	0.000	3.220	-0.679
46.25	-8.810	-29.121	0.000	0.000	0.000	-571.325	-3.256	0.000	3.256	-0.683
47.00	-8.794	-28.774	0.000	0.000	0.000	-564.717	-3.364	0.000	3.364	-0.695
48.00	-8.770	-28.313	0.000	0.000	0.000	-555.924	-3.511	0.000	3.511	-0.710
49.00	-8.747	-27.855	0.000	0.000	0.000	-547.154	-3.662	0.000	3.662	-0.726

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
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Load Case: Twist/Sway	50.00 mph Wind with No Ice	28 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
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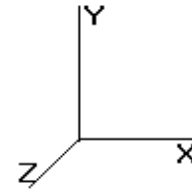
50.00	-8.723	-27.398	0.000	0.000	0.000	-538.407	-3.815	0.000	3.815	-0.741
51.00	-8.699	-26.944	0.000	0.000	0.000	-529.684	-3.972	0.000	3.972	-0.756
52.00	-8.678	-26.689	0.000	0.000	0.000	-520.985	-4.132	0.000	4.132	-0.772
53.00	-8.656	-26.435	0.000	0.000	0.000	-512.307	-4.296	0.000	4.296	-0.786
54.00	-8.633	-26.181	0.000	0.000	0.000	-503.652	-4.462	0.000	4.462	-0.800
55.00	-8.611	-25.929	0.000	0.000	0.000	-495.019	-4.631	0.000	4.631	-0.814
56.00	-8.589	-25.678	0.000	0.000	0.000	-486.408	-4.803	0.000	4.803	-0.829
57.00	-8.566	-25.428	0.000	0.000	0.000	-477.819	-4.978	0.000	4.978	-0.843
58.00	-8.543	-25.179	0.000	0.000	0.000	-469.253	-5.157	0.000	5.157	-0.857
59.00	-8.521	-24.931	0.000	0.000	0.000	-460.710	-5.338	0.000	5.338	-0.871
60.00	-8.498	-24.684	0.000	0.000	0.000	-452.190	-5.522	0.000	5.522	-0.885
61.00	-8.475	-24.439	0.000	0.000	0.000	-443.692	-5.709	0.000	5.709	-0.899
62.00	-8.452	-24.194	0.000	0.000	0.000	-435.218	-5.898	0.000	5.898	-0.913
63.00	-8.429	-23.951	0.000	0.000	0.000	-426.766	-6.091	0.000	6.091	-0.927
64.00	-8.405	-23.709	0.000	0.000	0.000	-418.338	-6.287	0.000	6.287	-0.941
65.00	-8.382	-23.467	0.000	0.000	0.000	-409.932	-6.486	0.000	6.486	-0.955
66.00	-8.359	-23.227	0.000	0.000	0.000	-401.550	-6.687	0.000	6.687	-0.969
67.00	-8.335	-22.988	0.000	0.000	0.000	-393.192	-6.892	0.000	6.892	-0.983
68.00	-8.312	-22.750	0.000	0.000	0.000	-384.857	-7.099	0.000	7.099	-0.996
69.00	-8.288	-22.513	0.000	0.000	0.000	-376.545	-7.309	0.000	7.309	-1.010
70.00	-8.264	-22.278	0.000	0.000	0.000	-368.257	-7.523	0.000	7.523	-1.024
71.00	-8.241	-22.043	0.000	0.000	0.000	-359.993	-7.739	0.000	7.739	-1.037
72.00	-8.217	-21.809	0.000	0.000	0.000	-351.753	-7.957	0.000	7.957	-1.051
73.00	-8.193	-21.577	0.000	0.000	0.000	-343.536	-8.179	0.000	8.179	-1.064
74.00	-8.169	-21.346	0.000	0.000	0.000	-335.344	-8.403	0.000	8.403	-1.078
75.00	-8.145	-21.115	0.000	0.000	0.000	-327.175	-8.631	0.000	8.631	-1.091
76.00	-8.121	-20.886	0.000	0.000	0.000	-319.030	-8.861	0.000	8.861	-1.104
77.00	-8.097	-20.658	0.000	0.000	0.000	-310.910	-9.093	0.000	9.093	-1.117
78.00	-8.072	-20.431	0.000	0.000	0.000	-302.813	-9.329	0.000	9.329	-1.130
79.00	-8.048	-20.206	0.000	0.000	0.000	-294.741	-9.567	0.000	9.567	-1.143
80.00	-8.024	-19.981	0.000	0.000	0.000	-286.693	-9.808	0.000	9.808	-1.156
81.00	-7.999	-19.757	0.000	0.000	0.000	-278.670	-10.052	0.000	10.052	-1.169
82.00	-7.975	-19.535	0.000	0.000	0.000	-270.671	-10.298	0.000	10.298	-1.181
83.00	-7.950	-19.313	0.000	0.000	0.000	-262.696	-10.547	0.000	10.547	-1.194
84.00	-7.926	-19.093	0.000	0.000	0.000	-254.746	-10.798	0.000	10.798	-1.206
85.00	-7.901	-18.874	0.000	0.000	0.000	-246.820	-11.052	0.000	11.052	-1.218
86.00	-7.877	-18.656	0.000	0.000	0.000	-238.919	-11.309	0.000	11.309	-1.230
87.00	-7.853	-18.439	0.000	0.000	0.000	-231.042	-11.568	0.000	11.568	-1.242
88.00	-7.829	-18.224	0.000	0.000	0.000	-223.188	-11.829	0.000	11.829	-1.254
89.00	-7.805	-18.011	0.000	0.000	0.000	-215.357	-12.093	0.000	12.093	-1.265
90.00	-7.781	-17.800	0.000	0.000	0.000	-207.548	-12.359	0.000	12.359	-1.277
91.00	-7.757	-17.591	0.000	0.000	0.000	-199.761	-12.628	0.000	12.628	-1.288
92.00	-7.733	-17.384	0.000	0.000	0.000	-192.000	-12.899	0.000	12.899	-1.299
93.00	-7.709	-17.179	0.000	0.000	0.000	-184.265	-13.172	0.000	13.172	-1.310
93.50	-7.685	-16.976	0.000	0.000	0.000	-176.557	-13.310	0.000	13.310	-1.315
94.00	-7.661	-16.775	0.000	0.000	0.000	-168.876	-13.448	0.000	13.448	-1.321
95.00	-7.637	-16.576	0.000	0.000	0.000	-161.222	-13.726	0.000	13.726	-1.331
96.00	-7.613	-16.379	0.000	0.000	0.000	-153.595	-14.006	0.000	14.006	-1.342
97.00	-7.589	-16.184	0.000	0.000	0.000	-146.000	-14.288	0.000	14.288	-1.352
97.25	-7.565	-15.991	0.000	0.000	0.000	-138.437	-14.359	0.000	14.359	-1.355
98.00	-7.541	-15.800	0.000	0.000	0.000	-130.910	-14.572	0.000	14.572	-1.362
99.00	-7.517	-15.611	0.000	0.000	0.000	-123.418	-14.860	0.000	14.860	-1.386
100.0	-7.493	-15.424	0.000	0.000	0.000	-115.961	-15.154	0.000	15.154	-1.410
101.0	-7.469	-15.239	0.000	0.000	0.000	-108.540	-15.452	0.000	15.452	-1.433
102.0	-7.445	-15.056	0.000	0.000	0.000	-101.155	-15.754	0.000	15.754	-1.456
103.0	-7.421	-14.875	0.000	0.000	0.000	-93.806	-16.062	0.000	16.062	-1.478
104.0	-7.397	-14.696	0.000	0.000	0.000	-86.492	-16.374	0.000	16.374	-1.500

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Load Case: Twist/Sway 50.00 mph Wind with No Ice 28 Iterations

Gust Response Factor : 1.69
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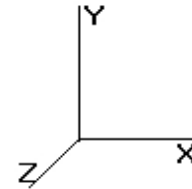
105.0	-5.449	-11.117	0.000	0.000	0.000	-114.017	-16.690	0.000	16.690	-1.521
106.0	-5.428	-11.030	0.000	0.000	0.000	-108.568	-17.011	0.000	17.011	-1.542
107.0	-5.407	-10.944	0.000	0.000	0.000	-103.140	-17.337	0.000	17.337	-1.562
108.0	-5.387	-10.858	0.000	0.000	0.000	-97.733	-17.666	0.000	17.666	-1.581
109.0	-5.366	-10.773	0.000	0.000	0.000	-92.346	-17.999	0.000	17.999	-1.600
110.0	-4.161	-8.813	0.000	0.000	0.000	-86.981	-18.337	0.000	18.337	-1.618
111.0	-4.140	-8.740	0.000	0.000	0.000	-82.820	-18.678	0.000	18.678	-1.636
112.0	-4.118	-8.668	0.000	0.000	0.000	-78.681	-19.022	0.000	19.022	-1.653
113.0	-4.097	-8.596	0.000	0.000	0.000	-74.562	-19.370	0.000	19.370	-1.670
114.0	-4.076	-8.525	0.000	0.000	0.000	-70.465	-19.722	0.000	19.722	-1.686
115.0	-4.055	-8.454	0.000	0.000	0.000	-66.389	-20.077	0.000	20.077	-1.701
116.0	-4.034	-8.383	0.000	0.000	0.000	-62.335	-20.435	0.000	20.435	-1.716
117.0	-4.012	-8.313	0.000	0.000	0.000	-58.301	-20.796	0.000	20.796	-1.731
118.0	-3.991	-8.244	0.000	0.000	0.000	-54.289	-21.160	0.000	21.160	-1.745
119.0	-3.970	-8.175	0.000	0.000	0.000	-50.298	-21.527	0.000	21.527	-1.758
120.0	-3.066	-6.393	0.000	0.000	0.000	-46.328	-21.897	0.000	21.897	-1.770
121.0	-3.045	-6.332	0.000	0.000	0.000	-43.262	-22.269	0.000	22.269	-1.782
122.0	-3.023	-6.272	0.000	0.000	0.000	-40.218	-22.644	0.000	22.644	-1.793
123.0	-3.002	-6.213	0.000	0.000	0.000	-37.195	-23.020	0.000	23.020	-1.804
124.0	-2.981	-6.154	0.000	0.000	0.000	-34.192	-23.399	0.000	23.399	-1.814
125.0	-2.960	-6.095	0.000	0.000	0.000	-31.211	-23.780	0.000	23.780	-1.824
126.0	-2.939	-6.037	0.000	0.000	0.000	-28.251	-24.163	0.000	24.163	-1.832
127.0	-2.918	-5.979	0.000	0.000	0.000	-25.313	-24.548	0.000	24.548	-1.841
128.0	-2.897	-5.922	0.000	0.000	0.000	-22.395	-24.935	0.000	24.935	-1.848
129.0	-2.876	-5.865	0.000	0.000	0.000	-19.497	-25.323	0.000	25.323	-1.855
130.0	-1.610	-3.366	0.000	0.000	0.000	-16.621	-25.712	0.000	25.712	-1.861
131.0	-1.589	-3.314	0.000	0.000	0.000	-15.011	-26.102	0.000	26.102	-1.866
132.0	-1.569	-3.263	0.000	0.000	0.000	-13.422	-26.494	0.000	26.494	-1.871
133.0	-1.548	-3.212	0.000	0.000	0.000	-11.853	-26.886	0.000	26.886	-1.876
134.0	-1.528	-3.161	0.000	0.000	0.000	-10.305	-27.279	0.000	27.279	-1.880
135.0	-1.507	-3.111	0.000	0.000	0.000	-8.777	-27.674	0.000	27.674	-1.884
136.0	-1.487	-3.061	0.000	0.000	0.000	-7.270	-28.068	0.000	28.068	-1.887
137.0	-1.467	-3.011	0.000	0.000	0.000	-5.783	-28.464	0.000	28.464	-1.889
138.0	-0.222	-0.893	0.000	0.000	0.000	-1.629	-28.860	0.000	28.860	-1.891
139.0	-0.202	-0.850	0.000	0.000	0.000	-1.407	-29.256	0.000	29.256	-1.892
140.0	-0.174	0.000	0.000	0.000	0.000	-1.205	-29.652	0.000	29.652	-1.893

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway	50.00 mph Wind with No Ice	28 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Calculated Stresses

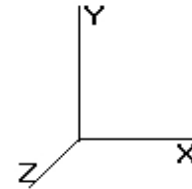
Seg Elev (ft)	Applied Stresses							Allowable Stress (Fb) (ksi)	Stress Ratio	
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)			
0.00	0.57	0.26	0.00	0.00	0.00	14.10	14.68	52.0	0.0	0.282
1.00	0.56	0.26	0.00	0.00	0.00	14.09	14.66	52.0	0.0	0.282
2.00	0.56	0.26	0.00	0.00	0.00	14.07	14.65	52.0	0.0	0.282
3.00	0.56	0.26	0.00	0.00	0.00	14.06	14.63	52.0	0.0	0.281
4.00	0.56	0.27	0.00	0.00	0.00	14.04	14.61	52.0	0.0	0.281
5.00	0.56	0.27	0.00	0.00	0.00	14.02	14.59	52.0	0.0	0.281
6.00	0.56	0.27	0.00	0.00	0.00	14.01	14.57	52.0	0.0	0.280
7.00	0.56	0.27	0.00	0.00	0.00	13.99	14.55	52.0	0.0	0.280
8.00	0.56	0.27	0.00	0.00	0.00	13.97	14.53	52.0	0.0	0.280
9.00	0.55	0.27	0.00	0.00	0.00	13.95	14.51	52.0	0.0	0.279
10.00	0.55	0.27	0.00	0.00	0.00	13.93	14.49	52.0	0.0	0.279
11.00	0.55	0.27	0.00	0.00	0.00	13.91	14.47	52.0	0.0	0.278
12.00	0.55	0.27	0.00	0.00	0.00	13.89	14.44	52.0	0.0	0.278
13.00	0.55	0.27	0.00	0.00	0.00	13.87	14.42	52.0	0.0	0.277
14.00	0.55	0.27	0.00	0.00	0.00	13.84	14.40	52.0	0.0	0.277
15.00	0.54	0.27	0.00	0.00	0.00	13.82	14.37	52.0	0.0	0.276
16.00	0.54	0.27	0.00	0.00	0.00	13.79	14.34	52.0	0.0	0.276
17.00	0.54	0.27	0.00	0.00	0.00	13.77	14.32	52.0	0.0	0.275
18.00	0.54	0.28	0.00	0.00	0.00	13.74	14.29	52.0	0.0	0.275
19.00	0.54	0.28	0.00	0.00	0.00	13.72	14.26	52.0	0.0	0.274
20.00	0.54	0.28	0.00	0.00	0.00	13.69	14.23	52.0	0.0	0.274
21.00	0.53	0.28	0.00	0.00	0.00	13.66	14.20	52.0	0.0	0.273
22.00	0.53	0.28	0.00	0.00	0.00	13.63	14.17	52.0	0.0	0.273
23.00	0.53	0.28	0.00	0.00	0.00	13.60	14.14	52.0	0.0	0.272
24.00	0.53	0.28	0.00	0.00	0.00	13.57	14.11	52.0	0.0	0.271
25.00	0.53	0.28	0.00	0.00	0.00	13.54	14.07	52.0	0.0	0.271
26.00	0.53	0.28	0.00	0.00	0.00	13.51	14.04	52.0	0.0	0.270
27.00	0.52	0.28	0.00	0.00	0.00	13.47	14.00	52.0	0.0	0.269
28.00	0.52	0.28	0.00	0.00	0.00	13.44	13.97	52.0	0.0	0.269
29.00	0.52	0.28	0.00	0.00	0.00	13.40	13.93	52.0	0.0	0.268
30.00	0.52	0.28	0.00	0.00	0.00	13.36	13.89	52.0	0.0	0.267
31.00	0.52	0.29	0.00	0.00	0.00	13.33	13.85	52.0	0.0	0.266
32.00	0.52	0.29	0.00	0.00	0.00	13.29	13.81	52.0	0.0	0.266
33.00	0.51	0.29	0.00	0.00	0.00	13.25	13.77	52.0	0.0	0.265
34.00	0.51	0.29	0.00	0.00	0.00	13.20	13.73	52.0	0.0	0.264
35.00	0.51	0.29	0.00	0.00	0.00	13.16	13.68	52.0	0.0	0.263
36.00	0.51	0.29	0.00	0.00	0.00	13.12	13.64	52.0	0.0	0.262
37.00	0.51	0.29	0.00	0.00	0.00	13.07	13.59	52.0	0.0	0.261
38.00	0.50	0.29	0.00	0.00	0.00	13.03	13.54	52.0	0.0	0.261
39.00	0.50	0.29	0.00	0.00	0.00	12.98	13.49	52.0	0.0	0.260
40.00	0.50	0.29	0.00	0.00	0.00	12.93	13.44	52.0	0.0	0.259
41.00	0.50	0.29	0.00	0.00	0.00	12.88	13.39	52.0	0.0	0.258
42.00	0.50	0.30	0.00	0.00	0.00	12.83	13.34	52.0	0.0	0.257
43.00	0.50	0.30	0.00	0.00	0.00	12.77	13.28	52.0	0.0	0.256
44.00	0.49	0.30	0.00	0.00	0.00	12.72	13.23	52.0	0.0	0.254
45.00	0.49	0.30	0.00	0.00	0.00	12.66	13.17	52.0	0.0	0.253
46.00	0.49	0.30	0.00	0.00	0.00	12.61	13.11	52.0	0.0	0.252
46.25	0.49	0.30	0.00	0.00	0.00	12.59	13.09	52.0	0.0	0.252
47.00	0.49	0.30	0.00	0.00	0.00	12.55	13.05	52.0	0.0	0.251
48.00	0.48	0.30	0.00	0.00	0.00	12.49	12.98	52.0	0.0	0.250
49.00	0.48	0.30	0.00	0.00	0.00	12.42	12.91	52.0	0.0	0.248

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway 50.00 mph Wind with No Ice 28 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

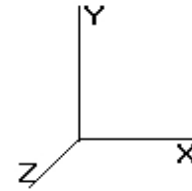
50.00	0.47	0.30	0.00	0.00	0.00	12.36	12.84	52.0	0.0	0.247
51.00	0.45	0.30	0.00	0.00	0.00	11.64	12.11	52.0	0.0	0.233
52.00	0.45	0.30	0.00	0.00	0.00	11.58	12.04	52.0	0.0	0.232
53.00	0.45	0.30	0.00	0.00	0.00	11.51	11.97	52.0	0.0	0.230
54.00	0.45	0.30	0.00	0.00	0.00	11.44	11.90	52.0	0.0	0.229
55.00	0.45	0.30	0.00	0.00	0.00	11.36	11.82	52.0	0.0	0.227
56.00	0.44	0.30	0.00	0.00	0.00	11.29	11.75	52.0	0.0	0.226
57.00	0.44	0.30	0.00	0.00	0.00	11.22	11.67	52.0	0.0	0.224
58.00	0.44	0.30	0.00	0.00	0.00	11.14	11.59	52.0	0.0	0.223
59.00	0.44	0.30	0.00	0.00	0.00	11.06	11.51	52.0	0.0	0.221
60.00	0.44	0.30	0.00	0.00	0.00	10.98	11.43	52.0	0.0	0.220
61.00	0.43	0.30	0.00	0.00	0.00	10.89	11.34	52.0	0.0	0.218
62.00	0.43	0.30	0.00	0.00	0.00	10.81	11.25	52.0	0.0	0.216
63.00	0.43	0.31	0.00	0.00	0.00	10.72	11.16	52.0	0.0	0.215
64.00	0.43	0.31	0.00	0.00	0.00	10.63	11.07	52.0	0.0	0.213
65.00	0.43	0.31	0.00	0.00	0.00	10.54	10.98	52.0	0.0	0.211
66.00	0.43	0.31	0.00	0.00	0.00	10.44	10.88	52.0	0.0	0.209
67.00	0.42	0.31	0.00	0.00	0.00	10.35	10.78	52.0	0.0	0.207
68.00	0.42	0.31	0.00	0.00	0.00	10.25	10.68	52.0	0.0	0.206
69.00	0.42	0.31	0.00	0.00	0.00	10.15	10.58	52.0	0.0	0.204
70.00	0.42	0.31	0.00	0.00	0.00	10.04	10.47	52.0	0.0	0.202
71.00	0.42	0.31	0.00	0.00	0.00	9.94	10.37	52.0	0.0	0.199
72.00	0.41	0.31	0.00	0.00	0.00	9.83	10.25	52.0	0.0	0.197
73.00	0.41	0.32	0.00	0.00	0.00	9.71	10.14	52.0	0.0	0.195
74.00	0.41	0.32	0.00	0.00	0.00	9.60	10.02	52.0	0.0	0.193
75.00	0.41	0.32	0.00	0.00	0.00	9.48	9.91	52.0	0.0	0.191
76.00	0.41	0.32	0.00	0.00	0.00	9.36	9.78	52.0	0.0	0.188
77.00	0.40	0.32	0.00	0.00	0.00	9.24	9.66	52.0	0.0	0.186
78.00	0.40	0.32	0.00	0.00	0.00	9.11	9.53	52.0	0.0	0.183
79.00	0.40	0.32	0.00	0.00	0.00	8.98	9.40	52.0	0.0	0.181
80.00	0.40	0.32	0.00	0.00	0.00	8.85	9.26	52.0	0.0	0.178
81.00	0.40	0.32	0.00	0.00	0.00	8.71	9.12	52.0	0.0	0.176
82.00	0.39	0.32	0.00	0.00	0.00	8.57	8.98	52.0	0.0	0.173
83.00	0.39	0.33	0.00	0.00	0.00	8.43	8.84	52.0	0.0	0.170
84.00	0.39	0.33	0.00	0.00	0.00	8.28	8.69	52.0	0.0	0.167
85.00	0.39	0.33	0.00	0.00	0.00	8.13	8.53	52.0	0.0	0.164
86.00	0.39	0.33	0.00	0.00	0.00	7.97	8.38	52.0	0.0	0.161
87.00	0.34	0.30	0.00	0.00	0.00	7.81	8.17	52.0	0.0	0.157
88.00	0.34	0.30	0.00	0.00	0.00	7.68	8.03	52.0	0.0	0.155
89.00	0.34	0.30	0.00	0.00	0.00	7.54	7.89	52.0	0.0	0.152
90.00	0.34	0.30	0.00	0.00	0.00	7.39	7.75	52.0	0.0	0.149
91.00	0.33	0.30	0.00	0.00	0.00	7.25	7.60	52.0	0.0	0.146
92.00	0.33	0.30	0.00	0.00	0.00	7.10	7.45	52.0	0.0	0.143
93.00	0.33	0.30	0.00	0.00	0.00	6.94	7.29	52.0	0.0	0.140
93.50	0.33	0.30	0.00	0.00	0.00	6.86	7.21	52.0	0.0	0.139
94.00	0.33	0.30	0.00	0.00	0.00	6.78	7.13	52.0	0.0	0.137
95.00	0.32	0.30	0.00	0.00	0.00	6.62	6.96	52.0	0.0	0.134
96.00	0.32	0.30	0.00	0.00	0.00	6.45	6.79	52.0	0.0	0.131
97.00	0.32	0.30	0.00	0.00	0.00	6.28	6.62	52.0	0.0	0.127
97.25	0.82	0.79	0.00	0.00	0.00	15.68	16.56	51.3	0.0	0.322
98.00	0.82	0.80	0.00	0.00	0.00	15.34	16.22	51.5	0.0	0.315
99.00	0.82	0.80	0.00	0.00	0.00	14.88	15.76	51.6	0.0	0.305
100.00	0.69	0.66	0.00	0.00	0.00	14.40	15.13	51.8	0.0	0.292
101.00	0.69	0.67	0.00	0.00	0.00	14.04	14.77	51.9	0.0	0.284
102.00	0.69	0.67	0.00	0.00	0.00	13.66	14.39	52.0	0.0	0.277
103.00	0.68	0.67	0.00	0.00	0.00	13.27	14.01	52.0	0.0	0.269
104.00	0.68	0.67	0.00	0.00	0.00	12.88	13.61	52.0	0.0	0.262

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
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Load Case: Twist/Sway 50.00 mph Wind with No Ice 28 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

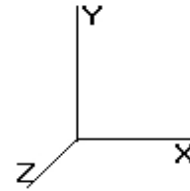
105.00	0.68	0.68	0.00	0.00	0.00	12.47	13.20	52.0	0.0	0.254
106.00	0.68	0.68	0.00	0.00	0.00	12.05	12.79	52.0	0.0	0.246
107.00	0.68	0.68	0.00	0.00	0.00	11.62	12.36	52.0	0.0	0.238
108.00	0.68	0.68	0.00	0.00	0.00	11.18	11.92	52.0	0.0	0.229
109.00	0.68	0.69	0.00	0.00	0.00	10.72	11.46	52.0	0.0	0.221
110.00	0.56	0.54	0.00	0.00	0.00	10.25	10.85	52.0	0.0	0.209
111.00	0.56	0.54	0.00	0.00	0.00	9.91	10.52	52.0	0.0	0.202
112.00	0.56	0.54	0.00	0.00	0.00	9.56	10.17	52.0	0.0	0.196
113.00	0.56	0.54	0.00	0.00	0.00	9.20	9.81	52.0	0.0	0.189
114.00	0.56	0.54	0.00	0.00	0.00	8.84	9.44	52.0	0.0	0.182
115.00	0.56	0.54	0.00	0.00	0.00	8.46	9.07	52.0	0.0	0.174
116.00	0.56	0.54	0.00	0.00	0.00	8.07	8.68	52.0	0.0	0.167
117.00	0.56	0.55	0.00	0.00	0.00	7.67	8.28	52.0	0.0	0.159
118.00	0.56	0.55	0.00	0.00	0.00	7.26	7.88	52.0	0.0	0.152
119.00	0.56	0.55	0.00	0.00	0.00	6.83	7.46	52.0	0.0	0.143
120.00	0.44	0.43	0.00	0.00	0.00	6.40	6.88	52.0	0.0	0.132
121.00	0.44	0.43	0.00	0.00	0.00	6.08	6.56	52.0	0.0	0.126
122.00	0.44	0.43	0.00	0.00	0.00	5.74	6.23	52.0	0.0	0.120
123.00	0.44	0.43	0.00	0.00	0.00	5.40	5.89	52.0	0.0	0.113
124.00	0.44	0.43	0.00	0.00	0.00	5.05	5.54	52.0	0.0	0.107
125.00	0.44	0.43	0.00	0.00	0.00	4.69	5.18	52.0	0.0	0.100
126.00	0.44	0.43	0.00	0.00	0.00	4.32	4.82	52.0	0.0	0.093
127.00	0.44	0.43	0.00	0.00	0.00	3.94	4.44	52.0	0.0	0.085
128.00	0.44	0.43	0.00	0.00	0.00	3.55	4.05	52.0	0.0	0.078
129.00	0.44	0.43	0.00	0.00	0.00	3.14	3.66	52.0	0.0	0.070
130.00	0.25	0.24	0.00	0.00	0.00	2.73	3.01	52.0	0.0	0.058
131.00	0.25	0.24	0.00	0.00	0.00	2.51	2.79	52.0	0.0	0.054
132.00	0.25	0.24	0.00	0.00	0.00	2.28	2.57	52.0	0.0	0.049
133.00	0.25	0.24	0.00	0.00	0.00	2.05	2.34	52.0	0.0	0.045
134.00	0.25	0.24	0.00	0.00	0.00	1.82	2.11	52.0	0.0	0.041
135.00	0.25	0.24	0.00	0.00	0.00	1.58	1.87	52.0	0.0	0.036
136.00	0.24	0.24	0.00	0.00	0.00	1.33	1.63	52.0	0.0	0.031
137.00	0.24	0.24	0.00	0.00	0.00	1.08	1.39	52.0	0.0	0.027
138.00	0.07	0.04	0.00	0.00	0.00	0.31	0.39	52.0	0.0	0.007
139.00	0.07	0.03	0.00	0.00	0.00	0.27	0.35	52.0	0.0	0.007
140.00	0.00	0.03	0.00	0.00	0.00	0.24	0.24	52.0	0.0	0.005

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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6/4/2014 10:25:52 AM

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Analysis Summary

Load Case	Reactions						Combined Stress (ksi)	Max Stresses		
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)		Allowable Stress (ksi)	Elev (ft)	Stress Ratio
No Ice	31.2	0.00	41.85	0.00	0.00	3231.85	51.55	51.3	97.25	1.004
Ice	26.3	0.00	49.19	0.00	0.00	2795.50	46.54	51.3	97.25	0.906
Twist/Sway	9.6	0.00	41.86	0.00	0.00	998.54	16.56	51.3	97.25	0.322

Base/Flange Plate	Plate Type	Baseplate
	Pole Diameter	47.13 in
	Pole Thickness	0.5 in
	Plate Length	54 in
	Plate Thickness	3.25 in
	Plate Fy	50 ksi
	Weld Length	0.3125 in
	Allowable	2518.50 k-in
	Applied	1309.93 k-in
	Stiffeners	#

Code Rev. **F**
 A.S.I. **1.33**
 Moment **3231.9 k-ft**
 Axial **41.9 k**

Date **6/4/2014**
 Engineer **NA**
 Site # **310968**
 Carrier **Sprint Nextel**

Bolts	#	16
	Bolt Circle	54 in
	(R)adial / (S)quare	S
	Bolt Gap	6 in
	Diameter	2.25 in
	Hole Diameter	2.625 in
	Type	A615-75
	Fy	75 ksi
	Fu	100 ksi
	Allowable	194.86 k
Applied	180.93 k	
Reinforcement	#	0
Extra Bolts	#	0

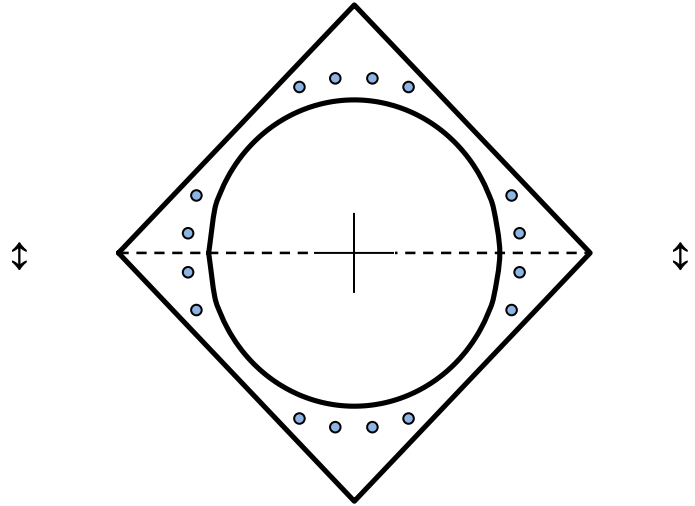
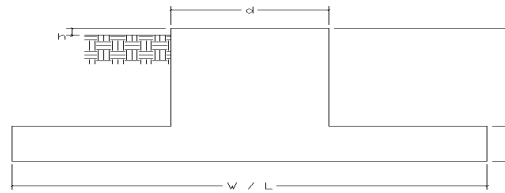


Plate Stress Ratio:
0.52 (Pass)

Bolt Stress Ratio:
0.93 (Pass)

Site Name: WSPT-Westport Rebuild CT, CT
 Site Number: 310968
 Engineering Number: 58994821
 Engineer: N. Ali
 Date: 06/04/14
 Tower Type: MP

Program Last Updated: 11/15/2012



Design Loads (Unfactored)

Design / Analysis / Mapping:

Compression/Leg:	42.2 k
Uplift/Leg:	0.0 k
Total Shear:	31.0 k
Moment:	3231.9 k-ft
Tower + Appurtenance Weight:	41.9 k
Depth to Base of Foundation:	7.00 ft
Diameter of Pier (d):	6.00 ft
Height of Pier above Ground (h):	0.50
Width of Pad (W):	23.00 ft
Length of Pad (L):	23.00 ft
Thickness of Pad (t):	4.00 ft
Tower Leg Center to Center:	0.00 ft
Number of Tower Legs:	1.0 (1 if MP or GT)
Tower Center from Mat Center:	0.00 ft
Depth Below Ground Surface to Water Table:	10.00 ft
Unit Weight of Concrete:	150.0 pcf
Unit Weight of Soil Above Water Table:	120.0 pcf
Unit Weight of Water:	62.4 pcf
Unit Weight of Soil Below Water Table:	60.0 pcf
Friction Angle of Uplift:	31.00 Degrees
Ultimate Coefficient of Shear Friction:	0.35
Allowable Compressive Bearing Pressure:	10000.0 psf
Ultimate Passive Pressure on Pad Face:	1500.0 psf
Allowable Capacity Increase:	1.00

Concrete Strength (f'_c):	3000 psi
Pad Tension Steel Depth:	44.00 in
Wind Load Factor:	1.3
ϕ_{Shear} :	0.75
$\phi_{\text{Flexure / Tension}}$:	0.90
$\phi_{\text{Compression}}$:	0.65
β :	0.85
Bottom Pad Rebar Size #:	9
# of Bottom Pad Rebar:	24
Pad Bottom Steel Area:	24.00 in ²
Pad Steel F_y :	60000 psi
Top Pad Rebar Size #:	9
# of Top Pad Rebar:	24
Pad Top Steel Area:	24.00 in ²
Pier Rebar Size #:	11
Pier Steel Area (Single Bar):	1.56 in ²
# of Pier Rebar:	40
Pier Steel F_y :	60000 psi
Pier Cage Diameter:	64.0 in
Rebar Strain Limit:	0.008
Steel Elastic Modulus:	29000 ksi
Tie Rebar Size #:	4
Tie Steel Area (Single Bar):	0.20 in ²
Tie Spacing:	18 in
Tie Steel F_y :	60000 psi

Overturning Factor of Safety

Design OTM:	3464.4 k-ft
OTM Resistance:	7139.9 k-ft
OTM Resistance / Design OTM Factor of Safety:	2.06 Result: OK

Soil Bearing Pressure Usage:

Net Bearing Pressure:	3224 psf
Allowable Bearing Pressure:	10000 psf
Net Bearing Pressure/Allowable Bearing Pressure:	0.32 Result: OK
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge

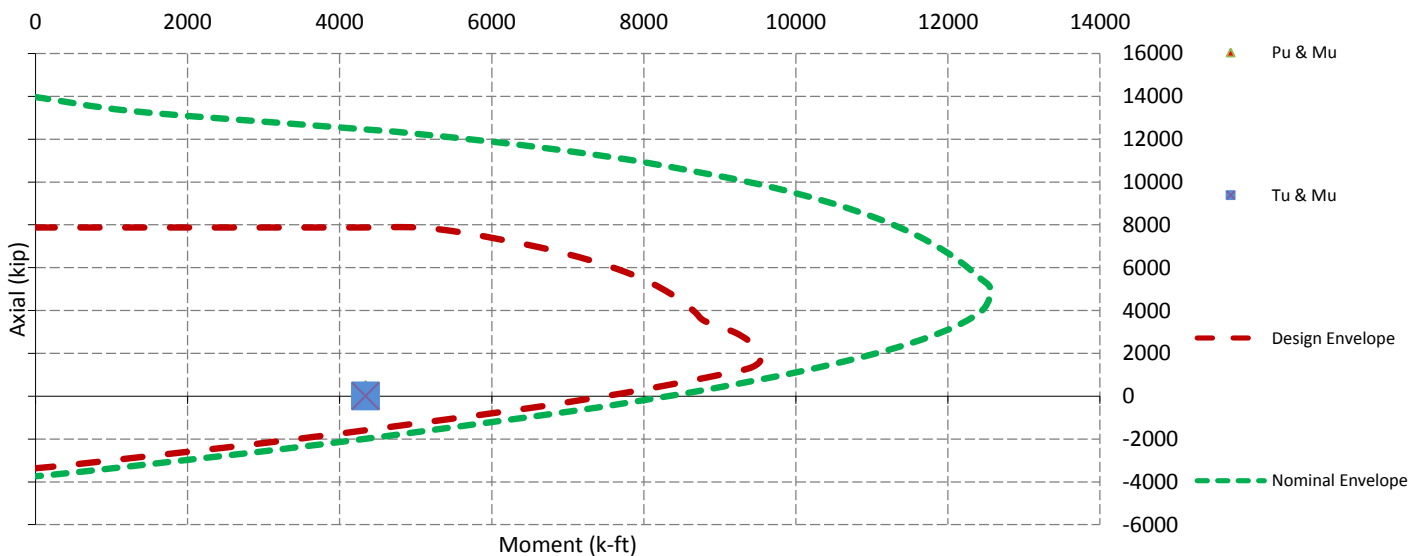
Sliding Factor of Safety

Total Ultimate Sliding Resistance:	333.4 k
Sliding Resistance/Sliding Design Factor of Safety:	10.76 Result: OK

One Way Shear, Flexural Capacity, and Punching Shear

Factored One Way Shear (V_u):	233.6 k
One Way Shear Capacity (ϕV_c):	832.6 k - ACI11.3.1.1
$V_u / \phi V_c$:	0.28 Result: OK
Load Direction Controlling Shear Capacity:	Diagonal to Pad Edge
Lower Pad Steel Factored Moment (M_u):	1767.4 k-ft
Lower Steel Pad Moment Capacity (ϕM_n):	4658.1 k-ft - ACI10.3
$M_u / \phi M_n$:	0.38 Result: OK
Load Direction Controlling Flexural Capacity:	Parallel to Pad Edge
Upper Steel Pad Factored Moment (M_u):	1221.1 k-ft
Upper Steel Pad Moment Capacity (ϕM_n):	4658.1 k-ft
$M_u / \phi M_n$:	0.26 Result: OK
Lower Pad Flexural Reinforcement Ratio:	0.0020 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Upper Pad Flexural Reinforcement Ratio:	0.0020 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Lower Pad Reinforcement Spacing:	12 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Upper Pad Reinforcement Spacing:	12 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Factored Punching Shear (V_u):	0.0 k
Nominal Punching Shear Capacity ($\phi_c V_n$):	2634.8 k - ACI11.12.2.1
$V_u / \phi V_c$:	0.00 Result: OK
Factored Moment in Pier (M_u):	4342.5 k-ft
Pier Moment Capacity (ϕM_n):	8789.4 k-ft
$M_u / \phi M_n$:	0.49 Result: OK
Factored Shear in Pier (V_u):	40.3 k
Pier Shear Capacity (ϕV_n):	336.2 k
$V_u / \phi V_c$:	0.12 Result: OK
Pier Shear Reinforcement Ratio:	0.0005 No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier (T_u):	0.0 k
Pier Tension Capacity (ϕT_n):	3369.6 k
$T_u / \phi T_n$:	0.00 Result: OK
Factored Compression in Pier (P_u):	54.8 k
Pier Compression Capacity (ϕP_n):	5316.1 k - ACI10.3.6.2
$P_u / \phi P_n$:	0.01 Result: OK
Pier Compression Reinforcement Ratio:	0.015 OK - Reinforcement Ratio Met - ACI10.9.1 & 10.8.4
$M_u / \phi_B M_n + T_u / \phi_T T_n$:	0.49 Result: OK

Nominal and Design Moment Capacity and Factored Design Loads



Sprint



AMERICAN TOWER CORPORATION

PROJECT: 2.5 EQUIPMENT DEPLOYMENT
 SITE NAME: WSPT-WESTPORT REBUILD CT
 SITE CASCADE: CT58XC971
 SITE NUMBER: 310968
 SITE ADDRESS: 180-182 BAYBERRY LANE
 WESTPORT, CT 06880
 SITE TYPE: MONOPOLE TOWER
 MARKET: SOUTHERN CONNECTICUT

PLANS PREPARED FOR:

Sprint
 6580 Sprint Parkway
 Overland Park, Kansas 66251

PLANS PREPARED BY:

INFINIGY Design. Build. Deliver.
 1033 Watervliet Shaker Rd
 Albany, NY 12205
 Office # (518) 690-0790
 Fax # (518) 690-0793
 JOB NUMBER 340-000

MLA PARTNER:

AMERICAN TOWER CORPORATION
 10 PRESIDENTIAL WAY
 WOBURN, MA 01801

ENGINEERING LICENSE:



DRAWING NOTICE:

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REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	7/15/14	DJG	2
REVISED PER COMMENTS	7/10/14	AHS	1
ISSUED FOR PERMIT	6/10/14	DJG	0
ISSUED FOR REVIEW	05/27/14	JLM	A

SITE NAME:

WSPT-WESTPORT REBUILD CT

SITE CASCADE:

CT58XC971

SITE ADDRESS:

180-182 BAYBERRY LANE
 WESTPORT, CT 06880

SHEET DESCRIPTION:

TITLE SHEET & PROJECT DATA

SHEET NUMBER:

T-1

SITE INFORMATION

TOWER OWNER:
 AMERICAN TOWER CORPORATION
 10 PRESIDENTIAL WAY
 WOBURN, MA 01801

LATITUDE (NAD83):
 41° 10' 17.87" N
 41.171631°

LONGITUDE (NAD83):
 73° 19' 42.95" W
 -73.328597°

COUNTY:
 FAIRFIELD

ZONING JURISDICTION:
 CONNECTICUT SIMING COUNCIL

ZONING DISTRICT:
 AAA

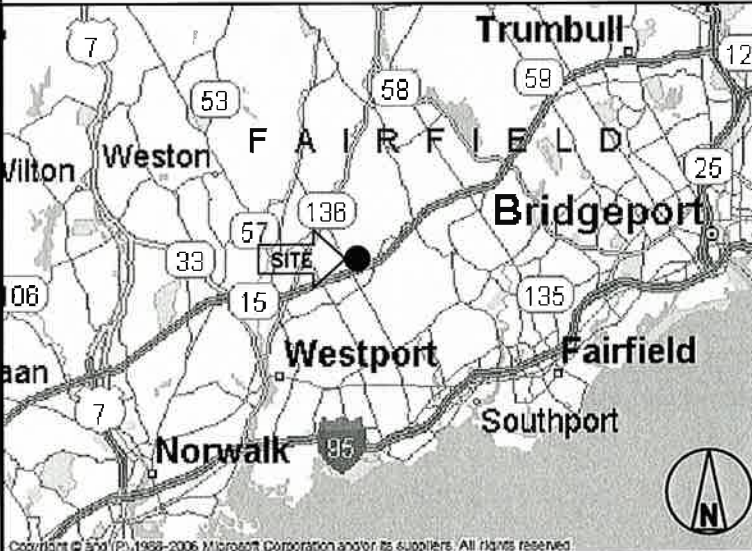
POWER COMPANY:
 CL&P
 (800) 286-2000

AAV PROVIDER:
 FIBERTECH

SPRINT CM:
 GARY WOOD
 (860) 940-9168
 GARY.WOOD@SPRINT.COM

AMERICAN TOWER PM:
 JOE SHANAHAN
 (781) 926-4521
 JOESPH.SHANAHAN@AMERICANTOWER.COM

AREA MAP



LOCATION MAP



PROJECT DESCRIPTION

SPRINT PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY.

- INSTALL 2.5 EQUIPMENT IN EXISTING NV MMBS CABINET
- INSTALL (3) PANEL ANTENNAS
- INSTALL (3) RRU'S TO TOWER
- INSTALL (27) JUMPER CABLES
- INSTALL (1) FIBER CABLE
- INSTALL (4) BATTERIES IN EXISTING BATTERY CABINET

THESE PLANS HAVE BEEN DEVELOPED FOR THE MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY OWNED OR LEASED BY SPRINT IN ACCORDANCE WITH THE SCOPE OF WORK PROVIDED BY SPRINT. INFINIGY HAS INCORPORATED THIS SCOPE OF WORK IN THE PLANS. THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS ACCOMPANIED BY A PASSING STRUCTURAL STABILITY ANALYSIS PREPARED BY A LICENSED STRUCTURAL ENGINEER. STRUCTURAL ANALYSIS MUST INCLUDE BOTH TOWER AND MOUNT.

APPLICABLE CODES

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

- INTERNATIONAL BUILDING CODE (2012 IBC)
- TIA-EIA-222-G OR LATEST EDITION
- NFPA 780 - LIGHTNING PROTECTION CODE
- 2011 NATIONAL ELECTRIC CODE OR LATEST EDITION
- ANY OTHER NATIONAL OR LOCAL APPLICABLE CODES, MOST RECENT EDITIONS
- CT BUILDING CODE
- LOCAL BUILDING CODE
- CITY/COUNTY ORDINANCES

DRAWING INDEX

SHEET NO.	SHEET TITLE	REV.
T-1	TITLE SHEET & PROJECT DATA	2
SP-1	SPRINT SPECIFICATIONS	2
SP-2	SPRINT SPECIFICATIONS	2
SP-3	SPRINT SPECIFICATIONS	2
A-1	SITE PLAN	2
A-1A	EXISTING EQUIPMENT DETAILS	2
A-2	TOWER ELEVATION & CABLE PLAN	2
A-3	ANTENNA LAYOUT & MOUNTING DETAILS	2
A-4	COLOR CODING & NOTES	2
A-5	EQUIPMENT & MOUNTING DETAILS	2
A-6	CIVIL DETAILS	2
A-7	PLUMBING DIAGRAM	2
E-1	ELECTRICAL & GROUNDING PLAN	2
E-2	ELECTRICAL & GROUNDING DETAILS	2



THESE OUTLINE SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT STANDARD CONSTRUCTION SPECIFICATIONS, INCLUDING CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.

SECTION 01 100 - SCOPE OF WORK

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT CONSTRUCTION STANDARDS FOR WIRELESS SITES, CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.
- 1.3 PRECEDENCE: SHOULD CONFLICTS OCCUR BETWEEN THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES INCLUDING THE STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE CONSTRUCTION DRAWINGS, INFORMATION ON THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE. NOTIFY SPRINT CONSTRUCTION MANAGER IF THIS OCCURS.
- 1.4 NATIONALLY RECOGNIZED CODES AND STANDARDS:
 - A. THE WORK SHALL COMPLY WITH APPLICABLE NATIONAL AND LOCAL CODES AND STANDARDS, LATEST EDITION, AND PORTIONS THEREOF, INCLUDED BUT NOT LIMITED TO THE FOLLOWING:
 - 1. GR-63-CORE NEBS REQUIREMENTS: PHYSICAL PROTECTION
 - 5. GR-78-CORE GENERIC REQUIREMENTS FOR THE PHYSICAL DESIGN AND MANUFACTURE OF TELECOMMUNICATIONS EQUIPMENT.
 - 3. GR-1089 CORE, ELECTROMAGNETIC COMPATIBILITY AND ELECTRICAL SAFETY -GENERIC CRITERIA FOR NETWORK TELECOMMUNICATIONS EQUIPMENT.
 - 4. NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS (NFPA) INCLUDING NFPA 70 (NATIONAL ELECTRICAL CODE - "NEC") AND NFPA 101 (LIFE SAFETY CODE).
 - 5. AMERICAN SOCIETY FOR TESTING OF MATERIALS (ASTM)
 - 6. INSTITUTE OF ELECTRONIC AND ELECTRICAL ENGINEERS (IEEE)
 - 7. AMERICAN CONCRETE INSTITUTE (ACI)
 - 8. AMERICAN WIRE PRODUCERS ASSOCIATION (AWPA)
 - 9. CONCRETE REINFORCING STEEL INSTITUTE (CRSI)
 - 10. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
 - 11. PORTLAND CEMENT ASSOCIATION (PCA)
 - 12. NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA)
 - 13. BRICK INDUSTRY ASSOCIATION (BIA)
 - 14. AMERICAN WELDING SOCIETY (AWS)
 - 15. NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA)
 - 16. SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA)
 - 17. DOOR AND HARDWARE INSTITUTE (DHI)
 - 18. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
 - 19. APPLICABLE BUILDING CODES INCLUDING UNIFORM BUILDING CODE, SOUTHERN BUILDING CODE, BOCA, AND THE INTERNATIONAL BUILDING CODE.
- 1.5 DEFINITIONS:
 - A. WORK: THE SUM OF TASKS AND RESPONSIBILITIES IDENTIFIED IN THE CONTRACT DOCUMENTS.
 - B. COMPANY: SPRINT CORPORATION
 - C. ENGINEER: SYNONYMOUS WITH ARCHITECT & ENGINEER AND "A&E". THE DESIGN PROFESSIONAL HAVING PROFESSIONAL RESPONSIBILITY FOR DESIGN OF THE PROJECT.
 - D. CONTRACTOR: CONSTRUCTION CONTRACTOR; CONSTRUCTION VENDOR; INDIVIDUAL OR ENTITY WHO AFTER EXECUTION OF A CONTRACT IS BOUND TO ACCOMPLISH THE WORK.
 - E. THIRD PARTY VENDOR OR AGENCY: A VENDOR OR AGENCY ENGAGED SEPARATELY BY THE COMPANY, A&E, OR CONTRACTOR TO PROVIDE MATERIALS OR TO ACCOMPLISH SPECIFIC TASKS RELATED TO BUT NOT INCLUDED IN THE WORK.
 - F. OFCI: OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT.
 - G. CONSTRUCTION MANAGER - ALL PROJECTS RELATED COMMUNICATION TO FLOW THROUGH SPRINT REPRESENTATIVE IN CHARGE OF PROJECT...

- 1.6 SITE FAMILIARITY: CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE SPRINT CONSTRUCTION MANAGER PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OR FIELD CONDITIONS.
- 1.7 POINT OF CONTACT: COMMUNICATION BETWEEN SPRINT AND THE CONTRACTOR SHALL FLOW THROUGH THE SINGLE SPRINT CONSTRUCTION MANAGER APPOINTED TO MANAGE THE PROJECT FOR SPRINT.
- 1.8 ON-SITE SUPERVISION: THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT WHO SHALL BE IN ATTENDANCE AT THE SITE AT ALL TIMES DURING PERFORMANCE OF THE WORK.
- 1.9 DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE: THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS, STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES AT THE JOBSITE FROM MOBILIZATION THROUGH CONSTRUCTION COMPLETION.
 - A. THE JOBSITE DRAWINGS, SPECIFICATIONS AND DETAILS SHALL BE CLEARLY MARKED DAILY IN RED PENCIL WITH ANY CHANGES IN CONSTRUCTION OVER WHAT IS DEPICTED IN THE DOCUMENTS. AT CONSTRUCTION COMPLETION, THIS JOBSITE MARKUP SET SHALL BE DELIVERED TO THE COMPANY OR COMPANY'S DESIGNATED REPRESENTATIVE TO BE FORWARDED TO THE COMPANY'S A&E VENDOR FOR PRODUCTION OF "AS-BUILT" DRAWINGS.
 - B. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK. CONTRACTOR SHALL NOTIFY SPRINT CONSTRUCTION MANAGER OF ANY VARIATIONS PRIOR TO PROCEEDING WITH THE WORK.
 - C. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS NOTED OTHERWISE. SPACING BETWEEN EQUIPMENT IS THE REQUIRED CLEARANCE. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE SPRINT CONSTRUCTION MANAGER PRIOR TO PROCEEDING WITH THE WORK.
- 1.10 USE OF JOB SITE: THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION AND RELATED OPERATIONS INCLUDING STAGING AND STORAGE OF MATERIALS AND EQUIPMENT, PARKING, TEMPORARY FACILITIES, AND WASTE STORAGE TO THE LEASE PARCEL UNLESS OTHERWISE PERMITTED BY THE CONTRACT DOCUMENTS.
- 1.11 UTILITIES SERVICES: WHERE NECESSARY TO CUT EXISTING PIPES, ELECTRICAL WIRES, CONDUITS, CABLES, ETC., OF UTILITY SERVICES, OR OF FIRE PROTECTION OR COMMUNICATIONS SYSTEMS, THEY SHALL BE CUT AND CAPPED AT SUITABLE PLACES OR WHERE SHOWN. ALL SUCH ACTIONS SHALL BE COORDINATED WITH THE UTILITY COMPANY INVOLVED.
- 1.12 PERMITS / FEES: WHEN REQUIRED THAT A PERMIT OR CONNECTION FEE BE PAID TO A PUBLIC UTILITY PROVIDER FOR NEW SERVICE TO THE CONSTRUCTION PROJECT, PAYMENT OF SUCH FEE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 1.13 CONTRACTOR SHALL TAKE ALL MEASURES AND PROVIDE ALL MATERIAL NECESSARY FOR PROTECTING EXISTING EQUIPMENT AND PROPERTY.
- 1.14 METHODS OF PROCEDURE (MOPS) FOR CONSTRUCTION: CONTRACTOR SHALL PERFORM WORK AS DESCRIBED IN THE FOLLOWING INSTALLATION AND COMMISSIONING MOPS.

NOTE: IN SHORT-FORM SPECIFICATIONS ON THE DRAWINGS, A/E TO INSERT LIST OF APPLICABLE MOPS INCLUDING EN-2012-001, EN-2013-002, EL-0568, AND TS-0193
- 1.15 USE OF ELECTRONIC PROJECT MANAGEMENT SYSTEMS:

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 TEMPORARY UTILITIES AND FACILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND FACILITIES NECESSARY EXCEPT AS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS. TEMPORARY UTILITIES AND FACILITIES INCLUDE POTABLE WATER, HEAT, HVAC, ELECTRICITY, SANITARY FACILITIES, WASTE DISPOSAL FACILITIES, AND TELEPHONE/COMMUNICATION SERVICES. PROVIDE TEMPORARY UTILITIES AND FACILITIES IN ACCORDANCE WITH OSHA AND THE AUTHORITY HAVING JURISDICTION. CONTRACTOR MAY UTILIZE THE COMPANY ELECTRICAL SERVICE IN THE COMPLETION OF THE WORK WHEN IT BECOMES AVAILABLE. USE OF THE LESSORS OR SITE OWNER'S UTILITIES OR FACILITIES IS EXPRESSLY FORBIDDEN EXCEPT AS OTHERWISE ALLOWED IN THE CONTRACT DOCUMENTS.
- 3.2 ACCESS TO WORK: THE CONTRACTOR SHALL PROVIDE ACCESS TO THE JOB SITE FOR AUTHORIZED COMPANY PERSONNEL AND AUTHORIZED REPRESENTATIVES OF THE ARCHITECT/ENGINEER DURING ALL PHASES OF THE WORK.
- 3.3 TESTING: REQUIREMENTS FOR TESTING BY THIS CONTRACTOR SHALL BE AS INDICATED HEREWITH, ON THE CONSTRUCTION DRAWINGS, AND IN THE INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS. SHOULD COMPANY CHOOSE TO ENGAGE ANY THIRD-PARTY TO CONDUCT ADDITIONAL TESTING, THE CONTRACTOR SHALL COOPERATE WITH AND PROVIDE A WORK AREA FOR COMPANY'S TEST AGENCY.
- 3.4 DIMENSIONS: VERIFY DIMENSIONS INDICATED ON DRAWINGS WITH FIELD DIMENSIONS BEFORE FABRICATION OR ORDERING OF MATERIALS. DO NOT SCALE DRAWINGS.

3.5 EXISTING CONDITIONS: NOTIFY THE SPRINT CONSTRUCTION MANAGER OF EXISTING CONDITIONS DIFFERING FROM THOSE INDICATED ON THE DRAWINGS. DO NOT REMOVE OR ALTER STRUCTURAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND ENGINEER.

SECTION 01 200 - COMPANY FURNISHED MATERIAL AND EQUIPMENT

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 RECEIPT OF MATERIAL AND EQUIPMENT:
 - A. A COMPANY FURNISHED MATERIAL AND EQUIPMENT IS IDENTIFIED ON THE RF DATA SHEET IN THE CONSTRUCTION DOCUMENTS.
 - B. THE CONTRACTOR IS RESPONSIBLE FOR SPRINT PROVIDED MATERIAL AND EQUIPMENT AND UPON RECEIPT SHALL:
 - 1. ACCEPT DELIVERIES AS SHIPPED AND TAKE RECEIPT.
 - 2. VERIFY COMPLETENESS AND CONDITION OF ALL DELIVERIES.
 - 3. TAKE RESPONSIBILITY FOR EQUIPMENT AND PROVIDE INSURANCE PROTECTION AS REQUIRED IN AGREEMENT.
 - 4. RECORD ANY DEFECTS OR DAMAGES AND WITHIN TWENTY-FOUR HOURS AFTER RECEIPT, REPORT TO SPRINT OR ITS DESIGNATED PROJECT REPRESENTATIVE OF SUCH.
 - 5. PROVIDE SECURE AND NECESSARY WEATHER PROTECTED WAREHOUSING.
 - 6. COORDINATE SAFE AND SECURE TRANSPORTATION OF MATERIAL AND EQUIPMENT, DELIVERING AND OFF-LOADING FROM CONTRACTOR'S WAREHOUSE TO SITE.
- 3.2 DELIVERABLES:
 - A. COMPLETE SHIPPING AND RECEIPT DOCUMENTATION IN ACCORDANCE WITH COMPANY PRACTICE.
 - B. IF APPLICABLE, COMPLETE LOST/STOLEN/DAMAGED DOCUMENTATION REPORT AS NECESSARY IN ACCORDANCE WITH COMPANY PRACTICE, AND AS DIRECTED BY COMPANY.
 - C. UPLOAD DOCUMENTATION INTO SPRINT SITE MANAGEMENT SYSTEM (SMS) AND/OR PROVIDE HARD COPY DOCUMENTATION AS REQUESTED.

SECTION 01 300 - CELL SITE CONSTRUCTION CO.

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.
- 1.3 NOTICE TO PROCEED
 - A. NO WORK SHALL COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF THE WORK ORDER.
 - B. UPON RECEIVING NOTICE TO PROCEED, CONTRACTOR SHALL FULLY PERFORM ALL WORK NECESSARY TO PROVIDE SPRINT WITH AN OPERATIONAL WIRELESS FACILITY.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 FUNCTIONAL REQUIREMENTS:
 - A. THE ACTIVITIES DESCRIBED IN THIS PARAGRAPH REPRESENT MINIMUM ACTIONS AND PROCESSES REQUIRED TO SUCCESSFULLY COMPLETE THE WORK. THE ACTIVITIES DESCRIBED ARE NOT EXHAUSTIVE, AND CONTRACTOR SHALL TAKE ANY AND ALL ACTIONS AS NECESSARY TO SUCCESSFULLY COMPLETE THE CONSTRUCTION OF A FULLY FUNCTIONING WIRELESS FACILITY AT THE SITE IN ACCORDANCE WITH COMPANY PROCESSES.
 - B. SUBMIT SPECIFIC DOCUMENTATION AS INDICATED HEREIN, AND OBTAIN REQUIRED APPROVALS WHILE THE WORK IS BEING PERFORMED.
 - C. MANAGE AND CONDUCT ALL FIELD CONSTRUCTION SERVICE RELATED ACTIVITIES
 - D. PROVIDE CONSTRUCTION ACTIVITIES TO THE EXTENT REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

PLANS PREPARED FOR:



6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED BY:




1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793
JOB NUMBER 340-000

MLA PARTNER:



10 PRESIDENTIAL WAY
WOBURN, MA 01801

ENGINEERING LICENSE:



DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	7/15/14	DJG	2
REVISED PER COMMENTS	7/10/14	AHS	1
ISSUED FOR PERMIT	6/10/14	DJG	0
ISSUED FOR REVIEW	05/27/14	JLM	A

SITE NAME:
WSPT-WESTPORT REBUILD CT

SITE CASCADE:
CT58XC971

SITE ADDRESS:
**180-182 BAYBERRY LANE
WESTPORT, CT 06880**

SHEET DESCRIPTION:
SPRINT SPECIFICATIONS

SHEET NUMBER:
SP-1

CONTINUE FROM SP-1

1. PERFORM ANY REQUIRED SITE ENVIRONMENTAL MITIGATION.
 2. PREPARE GROUND SITES; PROVIDE DE-GRUBBING; AND ROUGH AND FINAL GRADING, AND COMPOUND SURFACE TREATMENTS.
 3. MANAGE AND CONDUCT ALL ACTIVITIES FOR INSTALLATION OF UTILITIES INCLUDING ELECTRICAL AND TELCO BACKHAUL.
 4. INSTALL UNDERGROUND FACILITIES INCLUDING UNDERGROUND POWER AND COMMUNICATIONS CONDUITS, AND UNDERGROUND GROUNDING SYSTEM.
 5. INSTALL ABOVE GROUND GROUNDING SYSTEMS.
 6. PROVIDE NEW HVAC INSTALLATIONS AND MODIFICATIONS.
 7. INSTALL "H-FRAMES", CABINETS AND SHELTERS AS INDICATED.
 8. INSTALL ROADS, ACCESS WAYS, CURBS AND DRAINS AS INDICATED.
 9. ACCOMPLISH REQUIRED MODIFICATION OF EXISTING FACILITIES.
 10. PROVIDE ANTENNA SUPPORT STRUCTURE FOUNDATIONS.
 11. PROVIDE SLABS AND EQUIPMENT PLATFORMS.
 12. INSTALL COMPOUND FENCING, SIGHT SHIELDING, LANDSCAPING AND ACCESS BARRIERS.
 13. PERFORM INSPECTION AND MATERIAL TESTING AS REQUIRED HEREINAFTER.
 14. CONDUCT SITE RESISTANCE TO EARTH TESTING AS REQUIRED HEREINAFTER.
 15. INSTALL FIXED GENERATOR SETS AND OTHER STANDBY POWER SOLUTIONS.
 16. INSTALL TOWERS, ANTENNA SUPPORT STRUCTURES AND PLATFORMS ON EXISTING TOWERS AS REQUIRED.
 17. INSTALL CELL SITE RADIOS, MICROWAVE, GPS, COAXIAL MAINLINE, ANTENNAS, CROSS BAND COUPLERS, TOWER TOP AMPLIFIERS, LOW NOISE AMPLIFIERS AND RELATED EQUIPMENT.
 18. PERFORM, DOCUMENT, AND CLOSE OUT ANY CONSTRUCTION CONTROL DOCUMENTS THAT MAY BE REQUIRED BY GOVERNMENT AGENCIES AND LANDLORDS.
 19. PERFORM ANTENNA AND COAX SWEEP TESTING AND MAKE ANY AND ALL NECESSARY CORRECTIONS.
 20. REMAIN ON SITE MOBILIZED THROUGHOUT HAND-OFF AND INTEGRATION TO ASSIST AS NEEDED UNTIL SITE IS DEEMED SUBSTANTIALLY COMPLETE AND PLACED "ON AIR."
- 3.2 GENERAL REQUIREMENTS FOR CIVIL CONSTRUCTION:**
- A. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS.
 - B. EQUIPMENT ROOMS SHALL AT ALL TIMES BE MAINTAINED "BROOM CLEAN" AND CLEAR OF DEBRIS.
 - C. CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO DISCOVER AND LOCATE ANY HAZARDOUS CONDITION.
 1. IN THE EVENT CONTRACTOR ENCOUNTERS ANY HAZARDOUS CONDITION WHICH HAS NOT BEEN ABATED OR OTHERWISE MITIGATED, CONTRACTOR AND ALL OTHER PERSONS SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND NOTIFY COMPANY IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT BE RESUMED EXCEPT BY WRITTEN NOTIFICATION BY COMPANY.
 2. CONTRACTOR AGREES TO USE CARE WHILE ON THE SITE AND SHALL NOT TAKE ANY ACTION THAT WILL OR MAY RESULT IN OR CAUSE THE HAZARDOUS CONDITION TO BE FURTHER RELEASED IN THE ENVIRONMENT, OR TO FURTHER EXPOSE INDIVIDUALS TO THE HAZARD.
 - D. CONTRACTOR'S ACTIVITIES SHALL BE RESTRICTED TO THE PROJECT LIMITS. SHOULD AREAS OUTSIDE THE PROJECT LIMITS BE AFFECTED BY CONTRACTOR'S ACTIVITIES, CONTRACTOR SHALL IMMEDIATELY RETURN THEM TO ORIGINAL CONDITION
 - E. CONDUCT TESTING AS REQUIRED HEREIN.
- 3.3 DELIVERABLES:**
- A. CONTRACTOR SHALL REVIEW, APPROVE, AND SUBMIT TO SPRINT SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND SIMILAR SUBMITTALS AS REQUIRED HEREINAFTER
 - B. PROVIDE DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING. DOCUMENTATION SHALL BE FORWARDED IN ORIGINAL FORMAT AND/OR UPLOADED INTO SMS.
 1. ALL CORRESPONDENCE AND PRELIMINARY CONSTRUCTION REPORTS.
 2. PROJECT PROGRESS REPORTS.
 3. CIVIL CONSTRUCTION START DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
 4. ELECTRICAL SERVICE COMPLETION DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).

5. LINES AND ANTENNA INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
6. POWER INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
7. TELCO READY DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
8. PPC (OR SHELTER) INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
9. TOWER CONSTRUCTION START DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
10. TOWER CONSTRUCTION COMPLETE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
11. BTS AND RADIO EQUIPMENT DELIVERED AT SITE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
12. NETWORK OPERATIONS HANDOFF CHECKLIST (HOC WALK) COMPLETE (UPLOAD FORM IN SMS)
13. CIVIL CONSTRUCTION COMPLETE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
14. SITE CONSTRUCTION PROGRESS PHOTOS UNLOADED INTO SMS.

SECTION 01 400 - SUBMITTALS & TESTS

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HERewith.
- 1.3 SUBMITTALS:
 - A. THE WORK IN ALL ASPECTS SHALL COMPLY WITH THE CONSTRUCTION DRAWINGS AND THESE SPECIFICATIONS.
 - B. SUBMIT THE FOLLOWING TO COMPANY REPRESENTATIVE FOR APPROVAL.
 1. CONCRETE MIX-DESIGNS FOR TOWER FOUNDATIONS, ANCHORS PIERS, AND CONCRETE PAVING.
 2. CONCRETE BREAK TESTS AS SPECIFIED HEREIN.
 3. SPECIAL FINISHES FOR INTERIOR SPACES, IF ANY.
 4. ALL EQUIPMENT AND MATERIALS SO IDENTIFIED ON THE CONSTRUCTION DRAWINGS.
 5. CHEMICAL GROUNDING DESIGN
 - D. ALTERNATES: AT THE COMPANY'S REQUEST, ANY ALTERNATIVES TO THE MATERIALS OR METHODS SPECIFIED SHALL BE SUBMITTED TO SPRINT'S CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO BEING SHIPPED TO SITE. SPRINT WILL REVIEW AND APPROVE ONLY THOSE REQUESTS MADE IN WRITING. NO VERBAL APPROVALS WILL BE CONSIDERED. SUBMITTAL FOR APPROVAL SHALL INCLUDE A STATEMENT OF COST REDUCTION PROPOSED FOR USE OF ALTERNATE PRODUCT.
- 1.4 TESTS AND INSPECTIONS:
 - A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.
 - B. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 1. COAX SWEEPS AND FIBER TESTS PER TS-0200 REV 4 ANTENNA LINE ACCEPTANCE STANDARDS.
 2. AGL, AZIMUTH AND DOWNTILT USING ELECTRONIC COMMERCIAL MADE-FOR-THE-PURPOSE ANTENNA ALIGNMENT TOOL.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
 - C. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
 1. AZIMUTH, DOWNTILT, AGL - UPLOAD REPORT FROM ANTENNA ALIGNMENT TOOL TO SITERRA TASK 465. INSTALLED AZIMUTH, DOWNTILT, AND AGL MUST CONFORM TO THE RF DATA SHEETS. SWEEP AND FIBER TESTS
 2. SCANABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT
 3. ALL AVAILABLE JURISDICTIONAL INFORMATION
 4. PDF SCAN OF REDLINES PRODUCED IN FIELD

5. ELECTRONIC AS-BUILT DRAWINGS IN AUTOCAD AND PDF FORMATS. ANY FIELD CHANGE MUST BE REFLECTED BY MODIFYING THE PLANS, ELEVATIONS, AND DETAILS IN THE DRAWING SETS. GENERAL NOTES INDICATING MODIFICATIONS WILL NOT BE ACCEPTED. CHANGES SHALL BE HIGHLIGHTED AS "CLOUDS" IDENTIFIED AS THE "AS-BUILT" CONDITION.
 6. LIEN WAIVERS
 7. FINAL PAYMENT APPLICATION
 8. REQUIRED FINAL CONSTRUCTION PHOTOS
 9. CONSTRUCTION AND COMMISSIONING CHECKLIST COMPLETE WITH NO DEFICIENT ITEMS
 10. ALL POST NTP TASKS INCLUDING DOCUMENT UPLOADS COMPLETED IN SITERRA (SPRINTS DOCUMENT REPOSITORY OF RECORD).
- 1.5 COMMISSIONING: PERFORM ALL COMMISSIONING AS REQUIRED BY APPLICABLE MOPs
- 1.6 INTEGRATION: PERFORM ALL INTEGRATION ACTIVITIES AS REQUIRED BY APPLICABLE MOPs

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION


- 3.1 REQUIREMENTS FOR TESTING:
- A. THIRD PARTY TESTING AGENCY:
 1. WHEN THE USE OF A THIRD PARTY INDEPENDENT TESTING AGENCY IS REQUIRED, THE AGENCY THAT IS SELECTED MUST PERFORM SUCH WORK ON A REGULAR BASIS IN THE STATE WHERE THE PROJECT IS LOCATED AND HAVE A THOROUGH UNDERSTANDING OF LOCAL AVAILABLE MATERIALS, INCLUDING THE SOIL, ROCK, AND GROUNDWATER CONDITIONS.
 2. THE THIRD PARTY TESTING AGENCY IS TO BE FAMILIAR WITH THE APPLICABLE REQUIREMENTS FOR THE TESTS TO BE DONE, EQUIPMENT TO BE USED, AND ASSOCIATED HEALTH AND SAFETY ISSUES.
 3. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASHTO, AND OTHER METHODS IS NEEDED.
 4. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASHTO, AND OTHER METHODS IS NEEDED.
- 3.2 REQUIRED TESTS:
- A. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 1. CONCRETE CYLINDER BREAK TESTS FOR THE TOWER AND ANCHOR FOUNDATIONS AS SPECIFIED IN SECTION: PORTLAND CEMENT CONCRETE PAVING.
 2. ASPHALT ROADWAY COMPACTED THICKNESS, SURFACE SMOOTHNESS, AND COMPACTED DENSITY TESTING AS SPECIFIED IN SECTION: HOT MIX ASPHALT PAVING.
 3. FIELD QUALITY CONTROL TESTING AS SPECIFIED IN SECTION: PORTLAND CEMENT CONCRETE PAVING.
 4. TESTING REQUIRED UNDER SECTION: AGGREGATE BASE FOR ACCESS ROADS, PADS AND ANCHOR LOCATIONS
 5. STRUCTURAL BACKFILL COMPACTION TESTS FOR THE TOWER FOUNDATION.
 6. SITE RESISTANCE TO EARTH TESTING PER EXHIBIT: CELL SITE GROUNDING SYSTEM DESIGN.
 7. ANTENNA AND COAX SWEEP TESTS PER EXHIBIT: ANTENNA TRANSMISSION LINE ACCEPTANCE STANDARDS.
 8. GROUNDING AT ANTENNA MASTS FOR GPS AND ANTENNAS
 9. ALL OTHER TESTS REQUIRED BY COMPANY OR JURISDICTION.
- 3.3 REQUIRED INSPECTIONS
- A. SCHEDULE INSPECTIONS WITH COMPANY REPRESENTATIVE.
 - B. CONDUCT INSPECTIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 1. GROUNDING SYSTEM INSTALLATION PRIOR TO EARTH CONCEALMENT DOCUMENTED WITH DIGITAL PHOTOGRAPHS BY CONTRACTOR, APPROVED BY A&E OR SPRINT REPRESENTATIVE.
 2. FORMING FOR CONCRETE AND REBAR PLACEMENT PRIOR TO POUR DOCUMENTED WITH DIGITAL PHOTOGRAPHS BY CONTRACTOR, APPROVED BY A&E OR SPRINT REPRESENTATIVE.
 3. COMPACTION OF BACKFILL MATERIALS; AGGREGATE BASE FOR ROADS, PADS, AND ANCHORS; ASPHALT PAVING; AND SHAFT BACKFILL FOR CONCRETE AND WOOD POLES, BY INDEPENDENT THIRD PARTY AGENCY.
 4. PRE- AND POST-CONSTRUCTION ROOFTOP AND STRUCTURAL INSPECTIONS ON EXISTING FACILITIES.
 5. TOWER ERECTION SECTION STACKING AND PLATFORM ATTACHMENT DOCUMENTED BY DIGITAL PHOTOGRAPHS BY THIRD PARTY AGENCY.
 6. ANTENNA AZIMUTH, DOWN TILT AND PER SUNLIGHT TOOL SUNSIGHT INSTRUMENTS - ANTENNA ALIGNMENT TOOL (AAT)

PLANS PREPARED FOR:



6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED BY:



1033 Waterlief Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793
JOB NUMBER 340-000

MLA PARTNER:



10 PRESIDENTIAL WAY
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ENGINEERING LICENSE:



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REVISIONS:

DESCRIPTION	DATE	BY	REV
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ISSUED FOR PERMIT	6/10/14	DJG	0
ISSUED FOR REVIEW	05/27/14	JLM	A

SITE NAME:

WSPT-WESTPORT REBUILD CT

SITE CASCADE:

CT58XC971

SITE ADDRESS:

180-182 BAYBERRY LANE
WESTPORT, CT 06880

SHEET DESCRIPTION:

SPRINT SPECIFICATIONS

SHEET NUMBER:

SP-2

CONTINUE FROM SP-2

- 7. VERIFICATION DOCUMENTED WITH THE ANTENNA CHECKLIST REPORT, BY A&E, SITE DEVELOPMENT REP, OR RF REP.
 - 8. FINAL INSPECTION CHECKLIST AND HANDOFF WALK (HOC). SIGNED FORM SHOWING ACCEPTANCE BY FIELD OPS IS TO BE UPLOADED INTO SMS.
 - 9. COAX SWEEP AND FIBER TESTING DOCUMENTS SUBMITTED VIA SMS FOR RF APPROVAL.
 - 10. SCAN-ABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT
 - 11. ALL AVAILABLE JURISDICTIONAL INFORMATION
 - 12. PDF SCAN OF REDLINES PRODUCED IN FIELD
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
- D. CONSTRUCTION INSPECTIONS AND CORRECTIVE MEASURES SHALL BE DOCUMENTED BY THE CONTRACTOR WITH WRITTEN REPORTS AND PHOTOGRAPHS. PHOTOGRAPHS MUST BE DIGITAL AND OF SUFFICIENT QUALITY TO CLEARLY SHOW THE SITE CONSTRUCTION. PHOTOGRAPHS MUST CLEARLY IDENTIFY THE PHOTOGRAPHED ITEM AND BE LABELED WITH THE SITE CASCADE NUMBER, SITE NAME, DESCRIPTION, AND DATE.
- 3.4 DELIVERABLES: TEST AND INSPECTION REPORTS AND CLOSEOUT DOCUMENTATION SHALL BE UPLOADED TO THE SMS AND/OR FORWARDED TO SPRINT FOR INCLUSION INTO THE PERMANENT SITE FILES.
- A. THE FOLLOWING TEST AND INSPECTION REPORTS SHALL BE PROVIDED AS APPLICABLE.
- 1. CONCRETE MIX AND CYLINDER BREAK REPORTS.
 - 2. STRUCTURAL BACKFILL COMPACTION REPORTS.
 - 3. SITE RESISTANCE TO EARTH TEST.
 - 4. ANTENNA AZIMUTH AND DOWN TILT VERIFICATION
 - 5. TOWER ERECTION INSPECTIONS AND MEASUREMENTS DOCUMENTING TOWER INSTALLED PER SUPPLIER'S REQUIREMENTS AND THE APPLICABLE SECTIONS HEREIN.
 - 6. COAX CABLE SWEEP TESTS PER COMPANY'S "ANTENNA LINE ACCEPTANCE STANDARDS".
- B. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES THE FOLLOWING;
- 1. TEST WELLS AND TRENCHES: PHOTOGRAPHS OF ALL TEST WELLS; PHOTOGRAPHS SHOWING ALL OPEN EXCAVATIONS AND TRENCHING PRIOR TO BACKFILLING SHOWING A TAPE MEASURE VISIBLE IN THE EXCAVATIONS INDICATING DEPTH.
 - 2. CONDUITS, CONDUCTORS AND GROUNDING: PHOTOGRAPHS SHOWING TYPICAL INSTALLATION OF CONDUCTORS AND CONNECTORS; PHOTOGRAPHS SHOWING TYPICAL BEND RADIUS OF INSTALLED GROUND WIRES AND GROUND ROD SPACING;
 - 3. CONCRETE FORMS AND REINFORCING: CONCRETE FORMING AT TOWER AND EQUIPMENT/SHELTER PAD/FOUNDATIONS - PHOTOGRAPHS SHOWING ALL REINFORCING STEEL, UTILITY AND CONDUIT STUB OUTS; PHOTOGRAPHS SHOWING CONCRETE POUR OF SHELTER SLAB/FOUNDATION, TOWER FOUNDATION AND GUY ANCHORS WITH VIBRATOR IN USE; PHOTOGRAPHS SHOWING EACH ANCHOR ON GUYED TOWERS, BEFORE CONCRETE POUR.
 - 4. TOWER, ANTENNAS AND MAINLINE: INSPECTION AND PHOTOGRAPHS OF SECTION STACKING; INSPECTION AND PHOTOGRAPHS OF PLATFORM COMPONENT ATTACHMENT POINTS; PHOTOGRAPHS OF TOWER TOP GROUNDING; PHOTOS OF TOWER COAX LINE COLOR CODING AT THE TOP AND AT GROUND LEVEL; INSPECTION AND PHOTOGRAPHS OF OPERATIONAL OF TOWER LIGHTING, AND PLACEMENT OF FAA REGISTRATION SIGN; PHOTOGRAPHS SHOWING ADDITIONAL GROUNDING POINTS FOR TOWERS GREATER THAN 200 FEET.; PHOTOS OF ANTENNA GROUND BAR, EQUIPMENT GROUND BAR, AND MASTER GROUND BAR; PHOTOS OF GPS ANTENNA(S); PHOTOS OF EACH SECTOR OF ANTENNAS; ONE PHOTOGRAPH LOOKING AT THE SECTOR AND ONE FROM BEHIND SHOWING THE PROJECTED COVERAGE AREA; PHOTOS OF COAX WEATHERPROOFING - TOP AND BOTTOM; PHOTOS OF COAX GROUNDING--TOP AND BOTTOM; PHOTOS OF ANTENNA AND MAST GROUNDING; PHOTOS OF COAX CABLE ENTRY INTO SHELTER; PHOTOS OF PLATFORM MECHANICAL CONNECTIONS TO TOWER/MONOPOLE.
 - 5. ROOF TOPS: PRE-CONSTRUCTION AND POST-CONSTRUCTION VISUAL INSPECTION AND PHOTOGRAPHS OF THE ROOF AND INTERIOR TO DETERMINE AND DOCUMENT CONDITIONS; ROOF TOP CONSTRUCTION INSPECTIONS AS REQUIRED BY THE JURISDICTION; PHOTOGRAPHS OF CABLE TRAY AND/OR ICE BRIDGE; PHOTOGRAPHS OF DOGHOUSE/CABLE EXIT FROM ROOF;
 - 6. SITE LAYOUT - PHOTOGRAPHS OF THE OVERALL COMPOUND, INCLUDING EQUIPMENT PLATFORM FROM ALL FOUR CORNERS.
 - 7. FINISHED UTILITIES: CLOSE-UP PHOTOGRAPHS OF THE PPC BREAKER PANEL; CLOSE-UP PHOTOGRAPH OF THE INSIDE OF THE TELCO PANEL AND NIU; CLOSE-UP PHOTOGRAPH OF THE POWER METER AND DISCONNECT; PHOTOS OF POWER AND TELCO ENTRANCE TO COMPANY ENCLOSURE; PHOTOGRAPHS AT METER BOX AND/OR FACILITY DISTRIBUTION PANEL.
 - 8. REQUIRED MATERIALS CERTIFICATIONS: CONCRETE MIX DESIGNS; MILL CERTIFICATION FOR ALL REINFORCING AND STRUCTURAL STEEL; AND ASPHALT PAVING MIX DESIGN.
 - 9. ANY AND ALL SUBMITTALS BY THE JURISDICTION OR COMPANY.

SECTION 01 400 - SUBMITTALS & TESTS

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 WEEKLY REPORTS:
 - A. CONTRACTOR SHALL PROVIDE SPRINT WITH WEEKLY REPORTS SHOWING PROJECT STATUS. THIS STATUS REPORT FORMAT WILL BE PROVIDED TO THE CONTRACTOR BY SPRINT. THE REPORT WILL CONTAIN SITE ID NUMBER, THE MILESTONES FOR EACH SITE, INCLUDING THE BASELINE DATE, ESTIMATED COMPLETION DATE AND ACTUAL COMPLETION DATE.
 - B. REPORT INFORMATION WILL BE TRANSMITTED TO SPRINT VIA ELECTRONIC MEANS AS REQUIRED. THIS INFORMATION WILL PROVIDE A BASIS FOR PROGRESS MONITORING AND PAYMENT.
- 3.2 PROJECT CONFERENCE CALLS:
 - A. SPRINT MAY HOLD WEEKLY PROJECT CONFERENCE CALLS. CONTRACTOR WILL BE REQUIRED TO COMMUNICATE SITE STATUS, MILESTONE COMPLETIONS AND UPCOMING MILESTONE PROJECTIONS, AND ANSWER ANY OTHER SITE STATUS QUESTIONS AS NECESSARY.
- 3.3 PROJECT TRACKING IN SMS:
 - A. CONTRACTOR SHALL PROVIDE SCHEDULE UPDATES AND PROJECTIONS IN THE SMS SYSTEM ON A WEEKLY BASIS.
- 3.4 ADDITIONAL REPORTING:
 - A. ADDITIONAL OR ALTERNATE REPORTING REQUIREMENTS MAY BE ADDED TO THE REPORT AS DETERMINED TO BE REASONABLY NECESSARY BY COMPANY.
- 3.5 PROJECT PHOTOGRAPHS:
 - A. FILE DIGITAL PHOTOGRAPHS OF COMPLETED SITE IN JPEG FORMAT IN THE SMS PHOTO LIBRARY FOR THE RESPECTIVE SITE. PHOTOGRAPHS SHALL BE CLEARLY LABELED WITH SITE NUMBER, NAME AND DESCRIPTION, AND SHALL INCLUDE AT A MINIMUM THE FOLLOWING AS APPLICABLE:
 - 1. SHELTER AND TOWER OVERVIEW.
 - 2. TOWER FOUNDATION(S) - FORMS AND STEEL BEFORE POUR (EACH ANCHOR ON GUYED TOWERS).
 - 3. TOWER FOUNDATION(S) POUR WITH VIBRATOR IN USE (EACH ANCHOR ON GUYED TOWERS).
 - 4. TOWER STEEL AS BEING INSTALLED INTO HOLE (SHOW ANCHOR STEEL ON GUYED TOWERS).
 - 5. PHOTOS OF TOWER SECTION STACKING.
 - 6. CONCRETE TESTING / SAMPLES.
 - 7. PLACING OF ANCHOR BOLTS IN TOWER FOUNDATION.
 - 8. BUILDING/WATER TANK FROM ROAD FOR TENANT IMPROVEMENTS OR COMMENTS.
 - 9. SHELTER FOUNDATION--FORMS AND STEEL BEFORE POURING.
 - 10. SHELTER FOUNDATION POUR WITH VIBRATOR IN USE.
 - 11. COAX CABLE ENTRY INTO SHELTER.
 - 12. PLATFORM MECHANICAL CONNECTIONS TO TOWER/MONOPOLE.
 - 13. ROOFTOP PRE AND POST CONSTRUCTION PHOTOS TO INCLUDE PENETRATIONS AND INTERIOR CEILING.
 - 14. PHOTOS OF TOWER TOP COAX LINE COLOR CODING AND COLOR CODING AT GROUND LEVEL.
 - 15. PHOTOS OF ALL APPROPRIATE COMPANY OR REGULATORY SIGNAGE.
 - 16. PHOTOS OF EQUIPMENT BOLT DOWN INSIDE SHELTER.
 - 17. POWER AND TELCO ENTRANCE TO COMPANY ENCLOSURE AND POWER AND TELCO SUPPLY LOCATIONS INCLUDING METER/DISCONNECT.
 - 18. ELECTRICAL TRENCH(S) WITH ELECTRICAL / CONDUIT BEFORE BACKFILL.
 - 19. ELECTRICAL TRENCH(S) WITH FOIL-BACKED TAPE BEFORE FURTHER BACKFILL.
 - 20. TELCO TRENCH WITH TELEPHONE / CONDUIT BEFORE BACKFILL.
 - 21. TELCO TRENCH WITH FOIL-BACKED TAPE BEFORE FURTHER BACKFILL.
 - 22. SHELTER GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).
 - 23. TOWER GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).

- 24. FENCE GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).
 - 25. ALL BTS GROUND CONNECTIONS.
 - 26. ALL GROUND TEST WELLS.
 - 27. ANTENNA GROUND BAR AND EQUIPMENT GROUND BAR.
 - 28. ADDITIONAL GROUNDING POINTS ON TOWERS ABOVE 200'.
 - 29. HVAC UNITS INCLUDING CONDENSERS ON SPLIT SYSTEMS.
 - 30. GPS ANTENNAS.
 - 31. CABLE TRAY AND/OR WAVEGUIDE BRIDGE.
 - 32. DOGHOUSE/CABLE EXIT FROM ROOF.
 - 33. EACH SECTOR OF ANTENNAS; ONE PHOTOGRAPH LOOKING AT THE SECTOR AND ONE FROM BEHIND SHOWING THE PROJECTED COVERAGE AREA.
 - 34. MASTER BUS BAR.
 - 35. TELCO BOARD AND NIU.
 - 36. ELECTRICAL DISTRIBUTION WALL.
 - 37. CABLE ENTRY WITH SURGE SUPPRESSION.
 - 38. ENTRANCE TO EQUIPMENT ROOM.
 - 39. COAX WEATHERPROOFING--TOP AND BOTTOM OF TOWER.
 - 40. COAX GROUNDING -TOP AND BOTTOM OF TOWER.
 - 41. ANTENNA AND MAST GROUNDING.
 - 42. LANDSCAPING - WHERE APPLICABLE.
- 3.6 FINAL PROJECT ACCEPTANCE: COMPLETE ALL REQUIRED REPORTING TASKS PER CONTRACT, CONTRACT DOCUMENTS OR THE SPRINT INTEGRATED CONSTRUCTION STANDARDS FOR WIRELESS SITES AND UPLOAD INTO SITERRA.

PLANS PREPARED FOR:



6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED BY:



1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0700
Fax # (518) 690-0793
JOB NUMBER 340-000

MLA PARTNER:



10 PRESIDENTIAL WAY
WOBURN, MA 01801

ENGINEERING LICENSE:



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REVISED PER COMMENTS	7/10/14	AHS	1
ISSUED FOR PERMIT	6/10/14	DJG	0
ISSUED FOR REVIEW	05/27/14	JLM	A

SITE NAME:

**WSPT-WESTPORT
REBUILD CT**

SITE CASCADE:

CT58XC971

SITE ADDRESS:

**180-182 BAYBERRY LANE
WESTPORT, CT 06880**

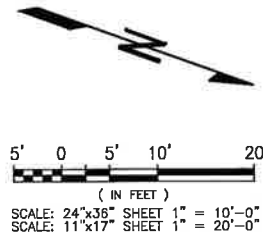
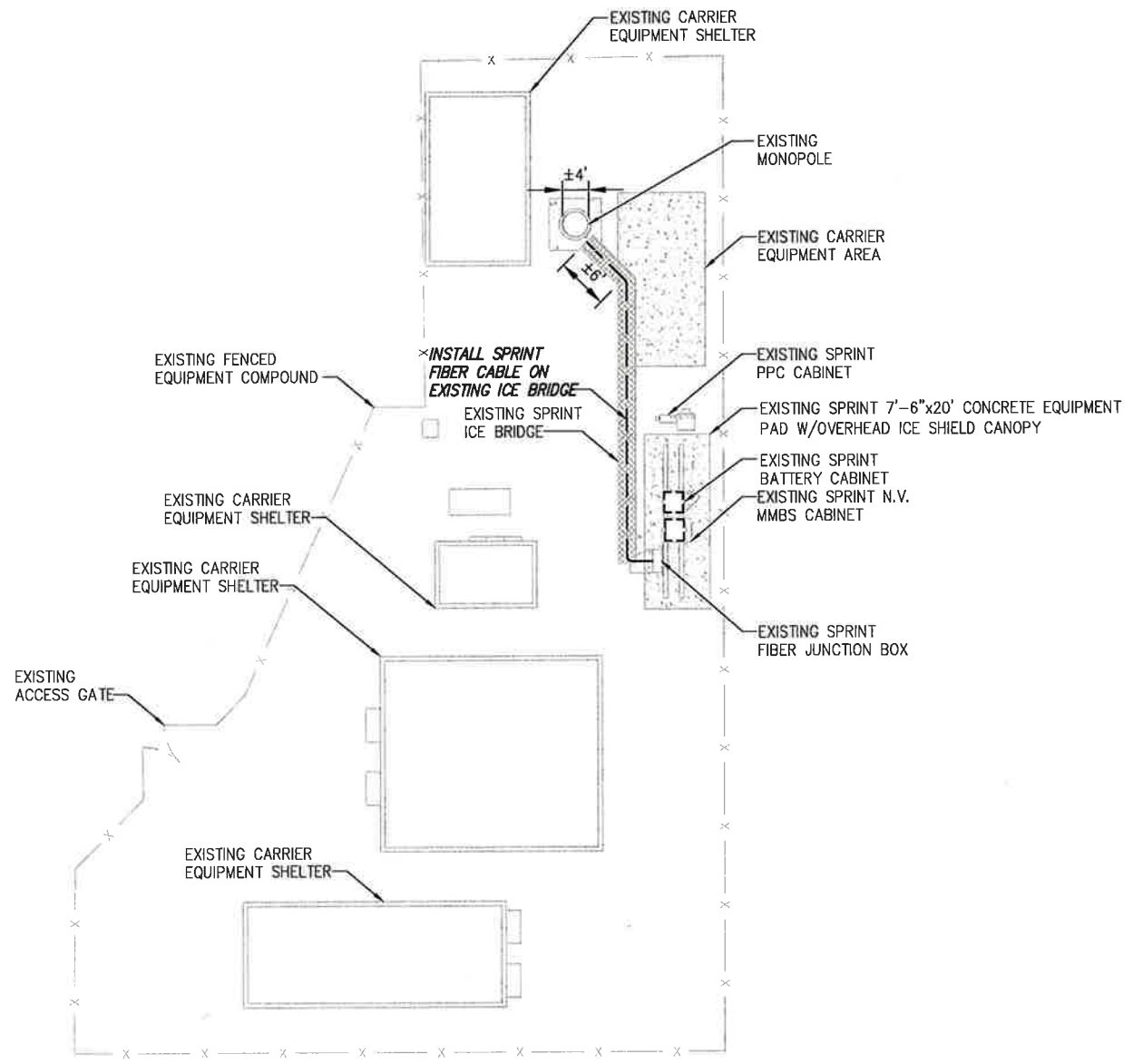
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SPRINT SPECIFICATIONS

SHEET NUMBER:

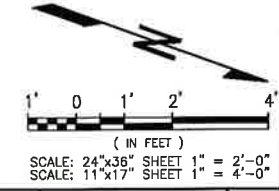
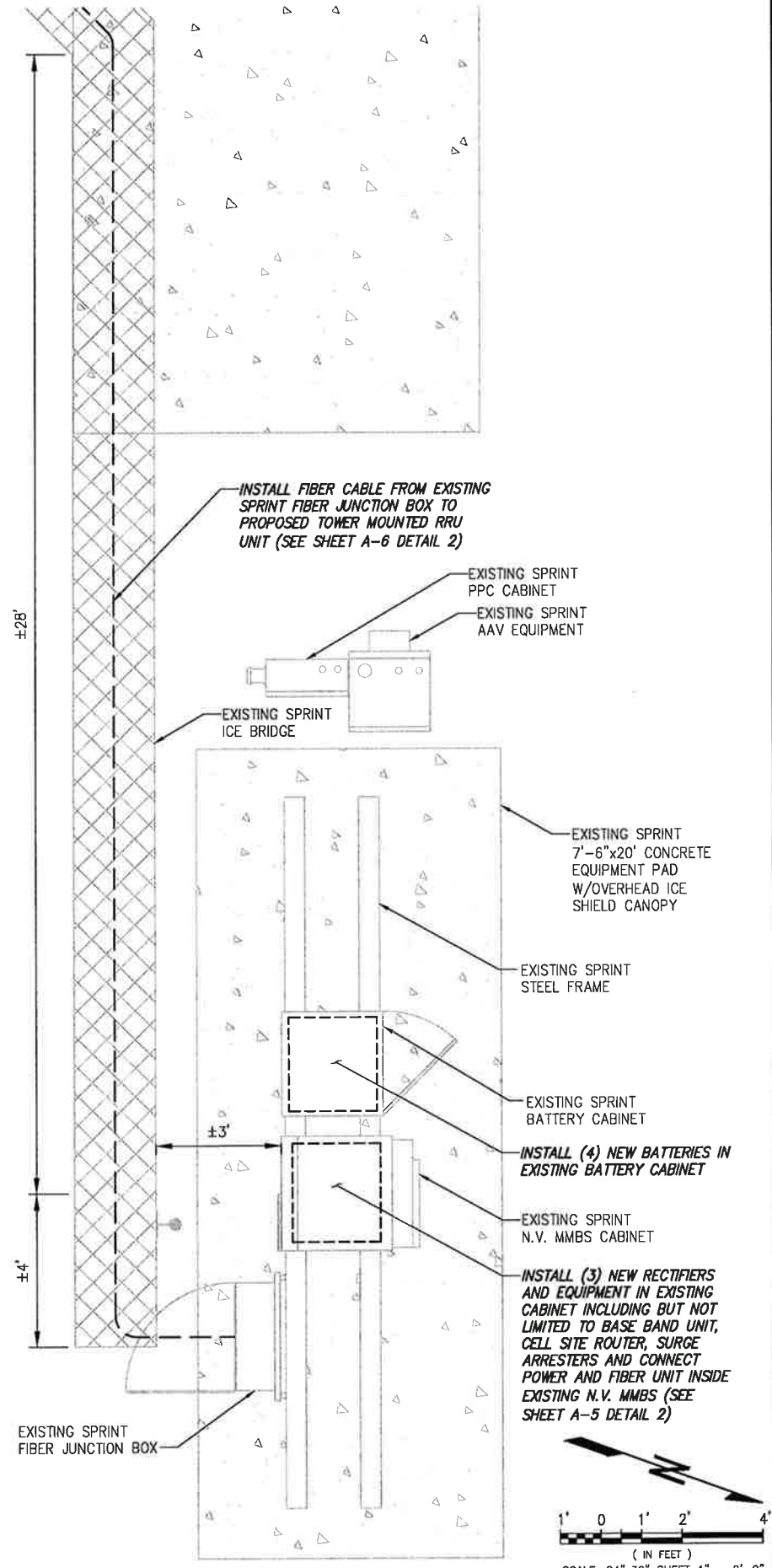
SP-3

INFORMATION CONTAINED WITHIN DRAWINGS ARE BASED ON PROVIDED INFORMATION AND ARE NOT THE RESULT OF A FIELD SURVEY.



OVERALL SITE PLAN

SCALE: AS NOTED 1



SPRINT EQUIPMENT PLAN

SCALE: AS NOTED 2

PLANS PREPARED FOR:

6580 Sprint Parkway
 Overland Park, Kansas 66251

PLANS PREPARED BY:

1033 Watervliet Shaker Rd
 Albany, NY 12205
 Office # (518) 690-0790
 Fax # (518) 690-0793
 JOB NUMBER 340-000

MLA PARTNER:

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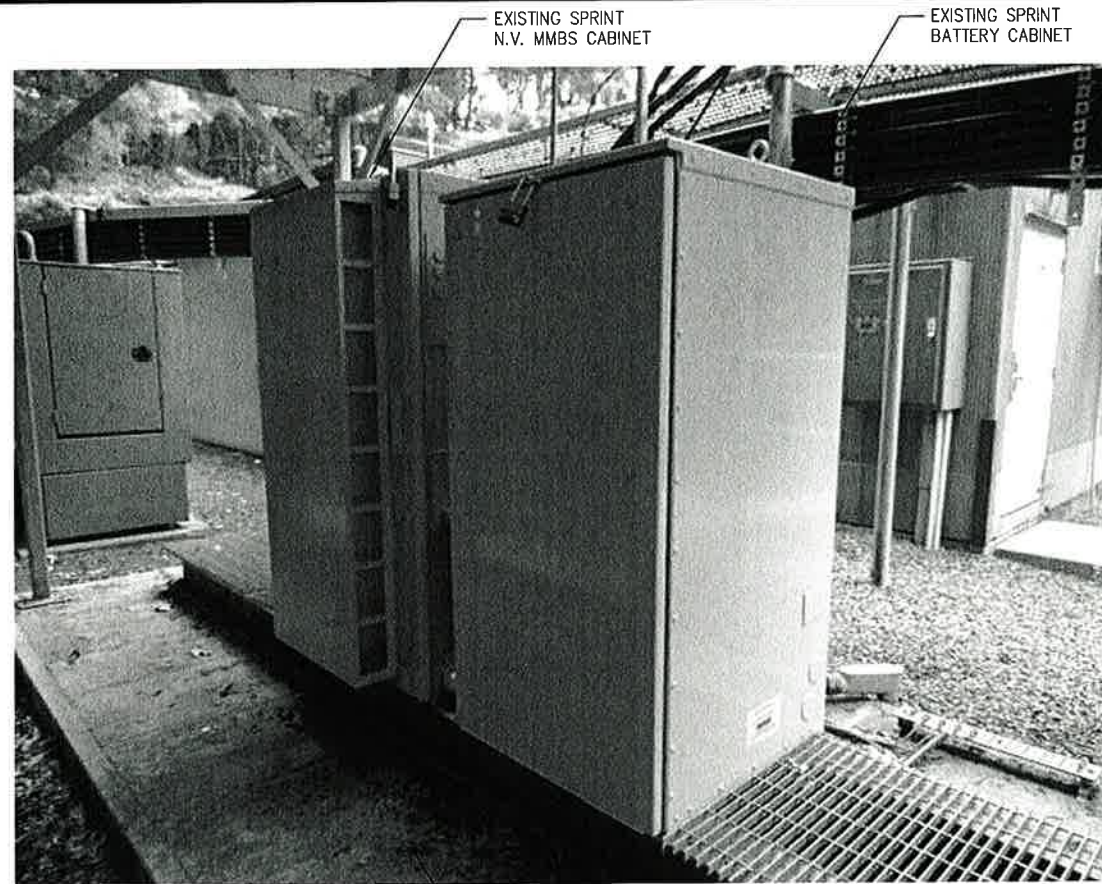
SITE NAME:
WSPT-WESTPORT REBUILD CT

SITE CASCADE:
CT58XC971

SITE ADDRESS:
 180-182 BAYBERRY LANE
 WESTPORT, CT 06880

SHEET DESCRIPTION:
SITE PLAN

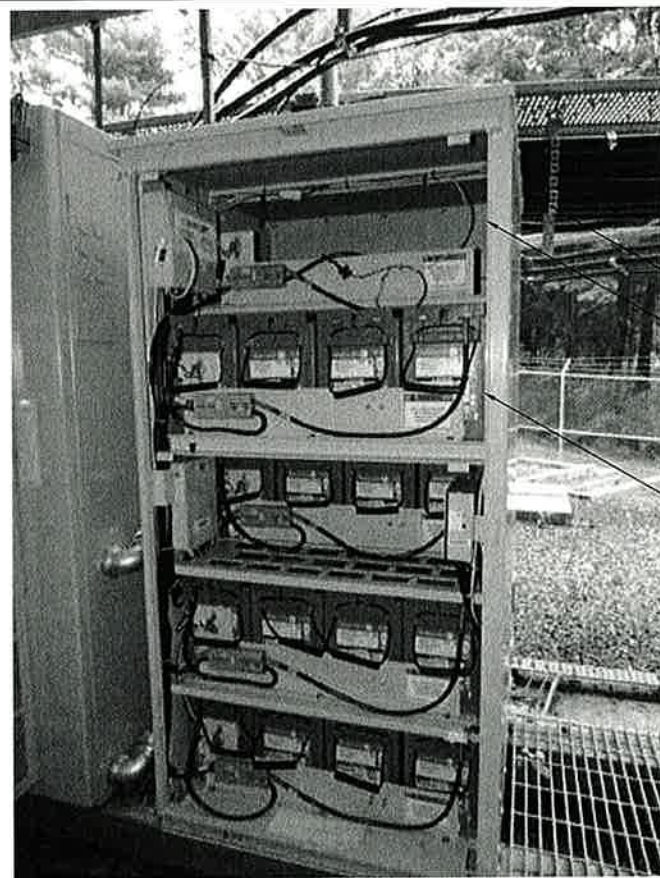
SHEET NUMBER:
A-1



EXISTING SPRINT 7'-6"x20' CONCRETE EQUIPMENT PAD W/OVERHEAD ICE SHIELD CANOPY

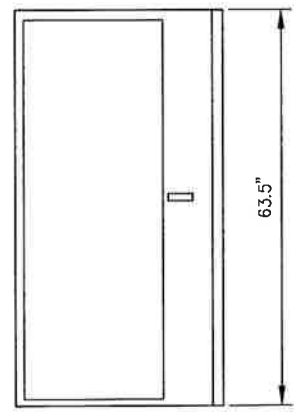
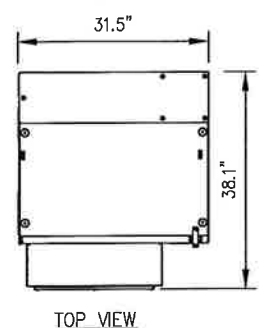
EXISTING CABINET LINE-UP

SCALE: AS NOTED 1



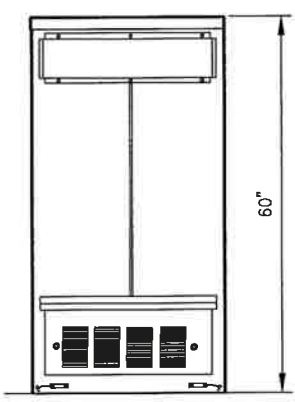
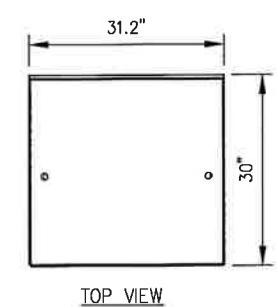
EXISTING BATTERY CABINET

SCALE: AS NOTED 2



MANUFACTURER: ALU
MODEL: 9927

N.V. MMBS CABINET



MANUFACTURER: AVAYA
MODEL: 60ECV2

BATTERY CABINET

INFORMATION CONTAINED WITHIN DRAWINGS ARE BASED ON INFORMATION CONTAINED WITHIN NETWORK VISION CD'S. CONTRACTOR TO VERIFY IN FIELD EXACT MAKE AND MODEL.

EXISTING CABINET DETAILS

SCALE: AS NOTED 3

PLANS PREPARED FOR:

6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED BY:

Design. Build. Deliver.

1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793

JOB NUMBER 340-000

MLA PARTNER:

10 PRESIDENTIAL WAY
WOBURN, MA 01801

ENGINEERING LICENSE:

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SITE NAME:

WSPT-WESTPORT REBUILD CT

SITE CASCADE:

CT58XC971

SITE ADDRESS:

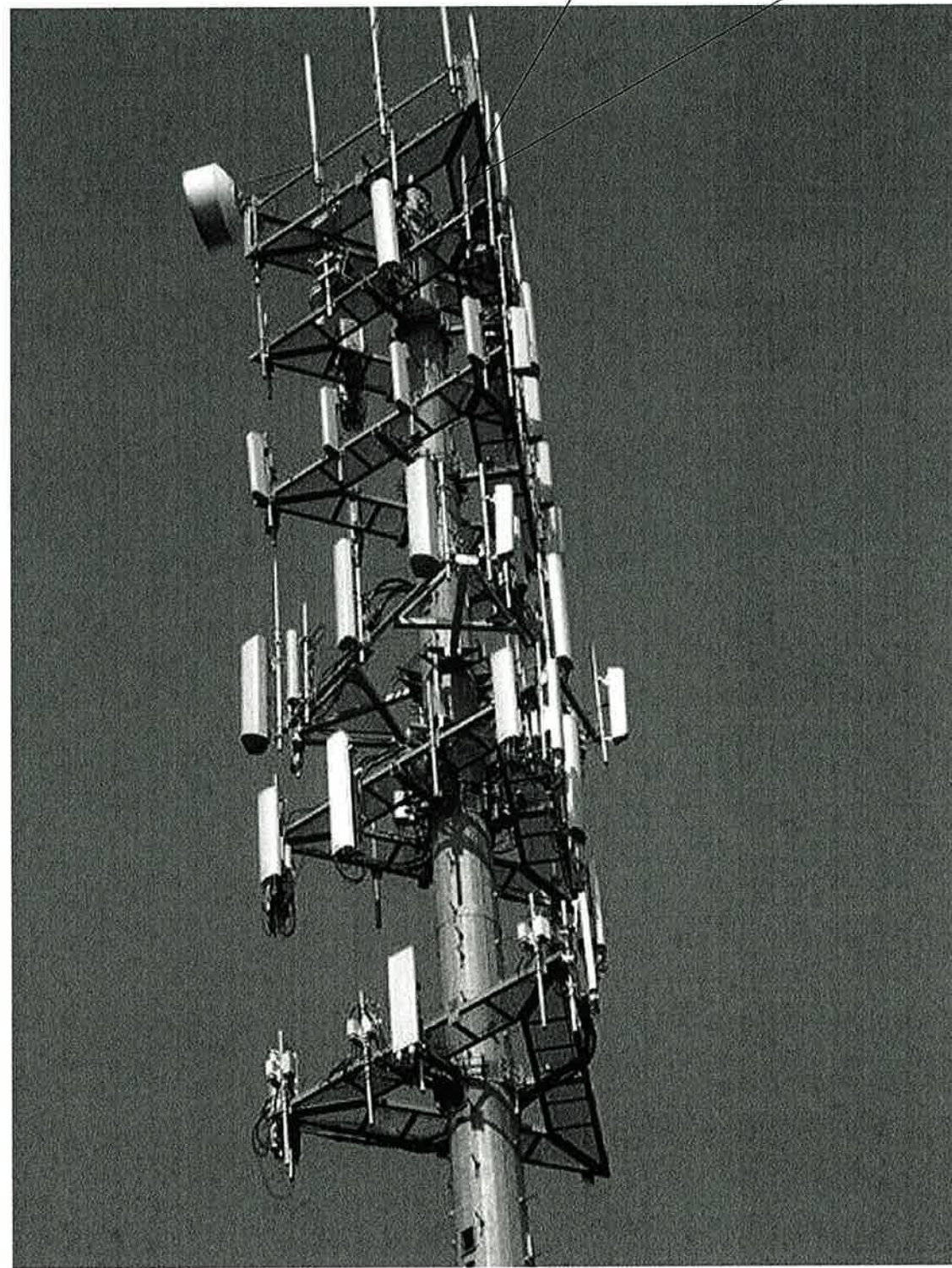
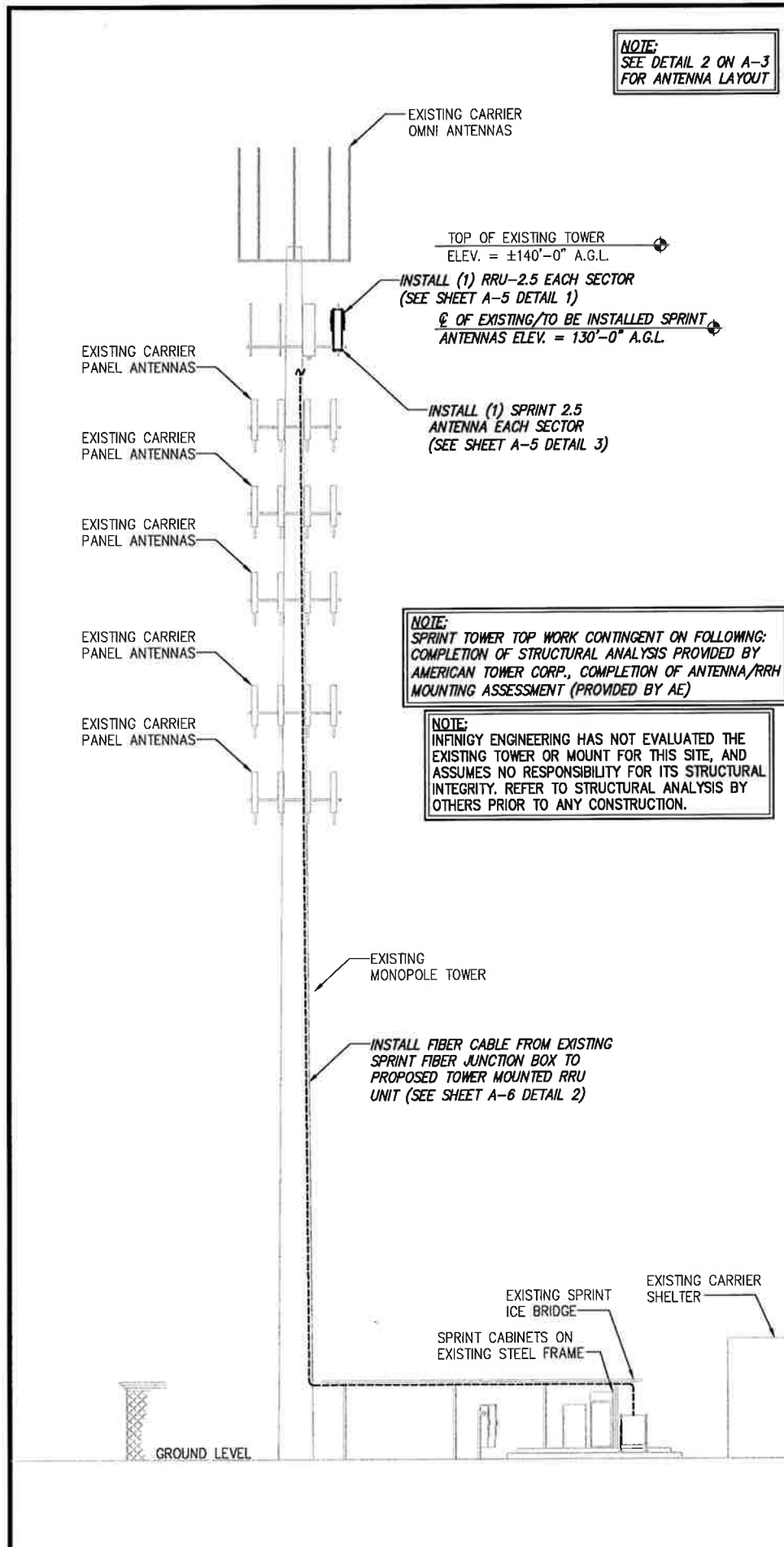
180-182 BAYBERRY LANE
WESTPORT, CT 06880

SHEET DESCRIPTION:

EXISTING EQUIPMENT DETAILS

SHEET NUMBER:

A-1A



NOTE:
ABOVE PHOTO IS ASSUMED TO BE TYPICAL OF ALL SECTORS

PLANS PREPARED FOR:

Sprint

6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED BY:

INFINIGY Design.
Build.
Deliver.

1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793

JOB NUMBER 340-000

MLA PARTNER:

AMERICAN TOWER CORPORATION

10 PRESIDENTIAL WAY
WOBBURN, MA 01801

ENGINEERING LICENSE:

STATE OF CONNECTICUT
JOHN S. STEVENS
No. 24705
LICENSED PROFESSIONAL ENGINEER

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WSPT-WESTPORT REBUILD CT

SITE CASCADE:

CT58XC971

SITE ADDRESS:

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WESTPORT, CT 06880

SHEET DESCRIPTION:

TOWER ELEVATION & CABLE PLAN

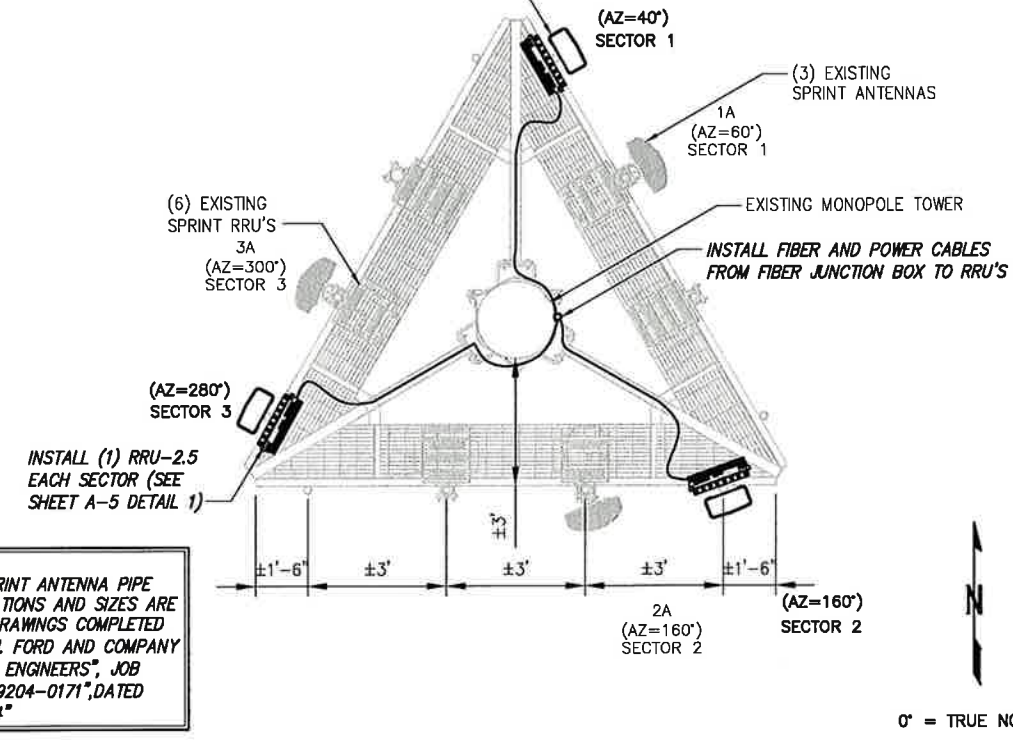
SHEET NUMBER:

A-2

THE CONFIGURATION PLANS ARE BASED ON PROVIDED INFORMATION AND ARE FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO CONSTRUCTION.

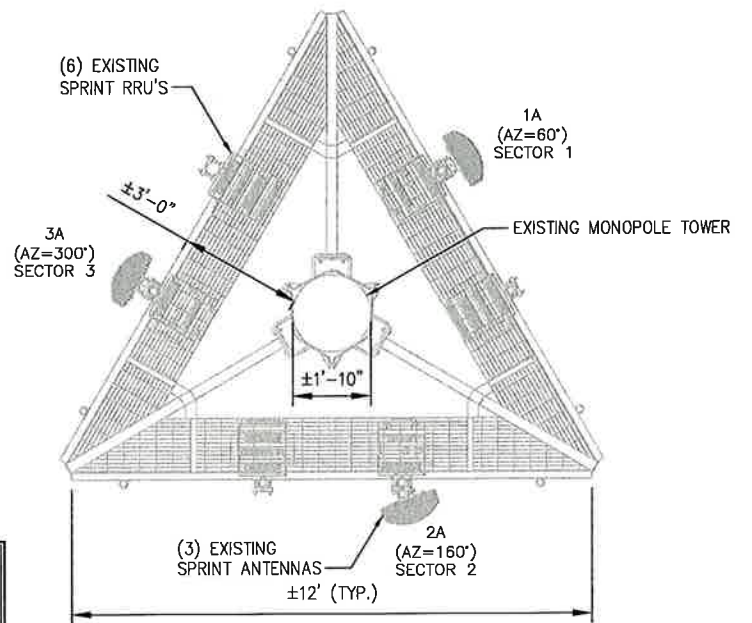
NOTE:
JUMPERS FROM 2.5 RRH TO THE 2.5 ANTENNA CANNOT EXCEED 15 FEET

INSTALL (1) SPRINT 2.5 ANTENNA EACH SECTOR (SEE SHEET A-5 DETAIL 3)



NOTE:
EXISTING SPRINT ANTENNA PIPE MOUNT LOCATIONS AND SIZES ARE BASED ON DRAWINGS COMPLETED BY: "PAUL J. FORD AND COMPANY STRUCTURAL ENGINEERS", JOB NUMBER: "29204-0171", DATED "07-01-2014"

0° = TRUE NORTH



NOTE:
EXISTING SPRINT ANTENNA PIPE MOUNT LOCATIONS AND SIZES ARE BASED ON DRAWINGS COMPLETED BY: "PAUL J. FORD AND COMPANY STRUCTURAL ENGINEERS", JOB NUMBER: "29204-0171", DATED "07-01-2014"

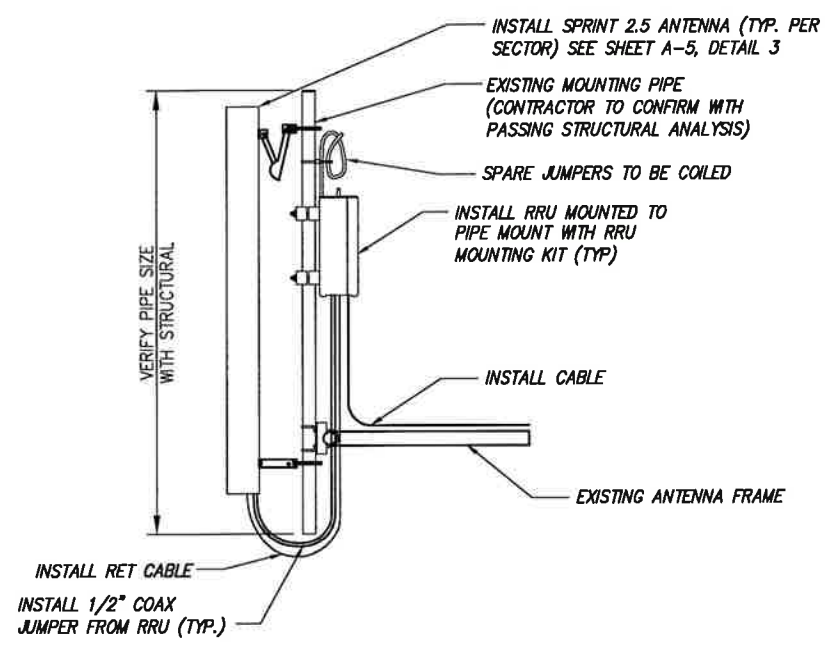
0° = TRUE NORTH

EXISTING ANTENNA & RRU LAYOUT

NO SCALE 1

FINAL ANTENNA LAYOUT

NO SCALE 2



- NOTES:**
- CUT DC CONDUCTORS TO LENGTH.
 - COIL FIBER CABLE AND SECURE AT SIDE OF RRU.
 - DO NOT EXCEED BEND RADIUS.

NOTE:
CONTRACTOR TO POSITION RRU ON MOUNT BEHIND ANTENNA SUCH THAT THE RRU DOES NOT INTERFERE WITH THE EXISTING PLATFORM/T-ARM MOUNTING HARDWARE.

NOTE:
SPARE DC CABLES ARE COILED UP ON NV RRHS AT SPRINT ARRAY. THESE ARE TO BE USED TO POWER UP THE 2.5 RRHS AND TIED INTO EXISTING DC BREAKERS INSIDE THE FIBER JUNCTION BOX LOCATED AT EQUIPMENT.

NOTE:
THE DIAGRAM IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR IS TO REFER TO PASSING STRUCTURAL ANALYSIS FOR ANTENNA AND RRU MOUNTING DETAILS

DETAIL NOT USED

NO SCALE 3

TYPICAL ANTENNA & RRU MOUNTING DETAILS

NO SCALE 4

PLANS PREPARED FOR:

6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED BY:

1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 890-0700
Fax # (518) 690-0793
JOB NUMBER 340-000

MLA PARTNER:

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SITE CASCADE:
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SITE ADDRESS:
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WESTPORT, CT 06880

SHEET DESCRIPTION:
ANTENNA LAYOUT & MOUNTING DETAILS

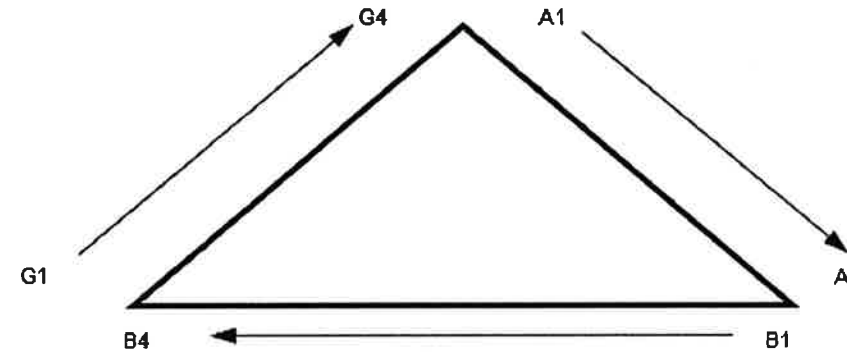
SHEET NUMBER:
A-3

NV CABLES			
BAND	INDICATOR	PORT	COLOR
800-1	YEL GRN	NV-1	GRN
1900-1	YEL RED	NV-2	BLU
1900-2	YEL BRN	NV-3	BRN
1900-3	YEL BLU	NV-4	WHT
1900-4	YEL SLT	NV-5	RED
800-2	YEL ORG	NV-6	SLT
SPARE	YEL WHT	NV-7	PPL
2500	YEL PPL	NV-8	ORG

HYBRID	
HYBRID	COLOR
1	GRN
2	BLU
3	BRN
4	WHT
5	RED
6	SLT
7	PPL
8	ORG

2.5 Band		
2500 Radio 1	COLOR	
YEL WHT	GRN	
YEL WHT	BLU	
YEL WHT	BRN	
YEL WHT	WHT	
YEL WHT	RED	
YEL WHT	SLT	
YEL WHT	PPL	
YEL WHT	ORG	

Figure 1: Antenna Orientation



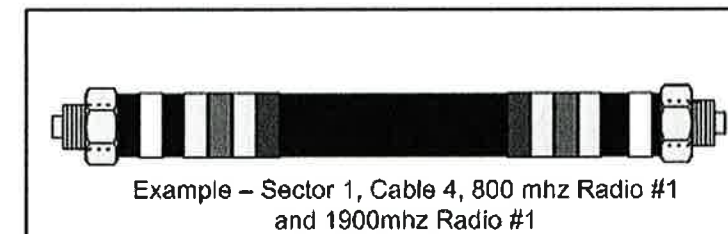
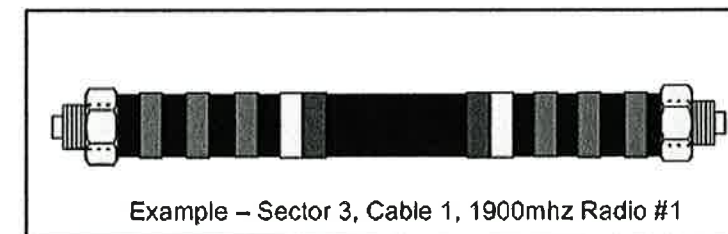
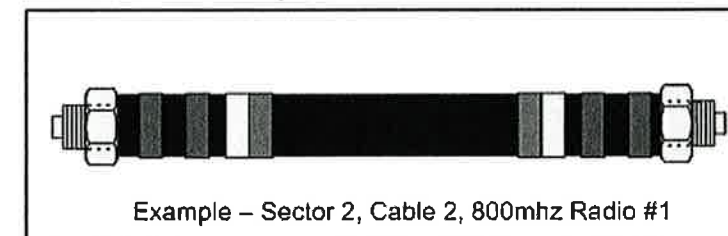
NOTES:

- ALL CABLES SHALL BE MARKED WITH 2" WIDE, UV STABILIZED, UL APPROVED TAPE.
- THE FIRST RING SHALL BE CLOSEST TO THE END OF THE CABLE AND SPACED APPROXIMATELY 2" FROM THE END CONNECTOR, WEATHERPROOFING, OR BREAK-OUT CYLINDER. THERE SHALL BE A 1" SPACE BETWEEN EACH RING FOR THE CABLE IDENTIFIER, AND NO SPACES BETWEEN THE FREQUENCY BANDS.
- A 2" GAP SHALL SEPARATE THE CABLE COLOR CODE FROM THE FREQUENCY COLOR CODE. THE 2" COLOR RINGS FOR THE FREQUENCY CODE SHALL BE PLACED NEXT TO EACH OTHER WITH NO SPACES.
- THE 2" COLORED TAPE(S) SHALL EACH BE WRAPPED A MINIMUM OF 3 TIMES AROUND THE INDIVIDUAL CABLES, AND THE TAPE SHALL BE KEPT IN THE SAME LOCATION AS MUCH AS POSSIBLE.
- SITES WITH MORE THAN FOUR (4) SECTORS WILL REQUIRE ADDITIONAL RINGS FOR EACH SECTOR, FOLLOWING THE PATTERN. HIGH CAPACITY SITES WILL USE THE NEXT COLOR IN THE SEQUENCE FOR ADDITIONAL CABLES IN EACH SECTOR.
- HYBRID FIBER CABLE SHALL BE SECTOR IDENTIFIED INSIDE THE CABINET ON FREQUENCY BUNDLES, ON THE SEALTITE, ON THE MAIN LINE UPON EXIT OF SEALTITE, AND BEFORE AND AFTER THE BREAKOUT UNIT (MEDUSA), AS WELL AS BEFORE AND AFTER ANY ENTRANCE OR EXIT.
- HFC "MAIN TRUNK" WILL NOT BE MARKED WITH THE FREQUENCY CODES, AS IT CONTAINS ALL FREQUENCIES.
- INDIVIDUAL POWER PAIRS AND FIBER BUNDLES SHALL BE LABELED WITH BOTH THE CABLE AND FREQUENCY.

Sector	Cable	First Ring	Second Ring	Third Ring
1 Alpha	1	Green	No Tape	No Tape
	2	White	No Tape	No Tape
	3	Brown	No Tape	No Tape
	4	White	No Tape	No Tape
	5	Red	No Tape	No Tape
	6	Grey	No Tape	No Tape
	7	Purple	No Tape	No Tape
	8	Orange	No Tape	No Tape
2 Beta	1	Green	Green	No Tape
	2	White	White	No Tape
	3	Brown	Brown	No Tape
	4	White	White	No Tape
	5	Red	Red	No Tape
	6	Grey	Grey	No Tape
	7	Purple	Purple	No Tape
	8	Orange	Orange	No Tape
3 Gamma	1	Green	Green	Green
	2	White	White	White
	3	Brown	Brown	Brown
	4	White	White	White
	5	Red	Red	Red
	6	Grey	Grey	Grey
	7	Purple	Purple	Purple
	8	Orange	Orange	Orange

NV FREQUENCY	INDICATOR	ID
800-1	YEL GRN	GRN
1900-1	YEL RED	RED
1900-2	YEL BRN	BRN
1900-3	YEL BLU	BLU
1900-4	YEL SLT	SLT
800-1	YEL ORG	ORG
RESERVED	YEL WHT	WHT
RESERVED	YEL PPL	PPL

2.5 FREQUENCY	INDICATOR		ID
2500 -1	YEL	WHT	GRN
2500 -2	YEL	WHT	RED
2500 -3	YEL	WHT	BRN
2500 -4	YEL	WHT	BLU
2500 -5	YEL	WHT	SLT
2500 -6	YEL	WHT	ORG
2500 -7	YEL	WHT	WHT
2500 -8	YEL	WHT	PPL



PLANS PREPARED FOR:

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Overland Park, Kansas 66251

PLANS PREPARED BY:

1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793

JOB NUMBER 340-000

MLA PARTNER:

10 PRESIDENTIAL WAY
WOBURN, MA 01801

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SITE NAME:

WSPT-WESTPORT
REBUILD CT

SITE CASCADE:

CT58XC971

SITE ADDRESS:

180-182 BAYBERRY LANE
WESTPORT, CT 06880

SHEET DESCRIPTION:

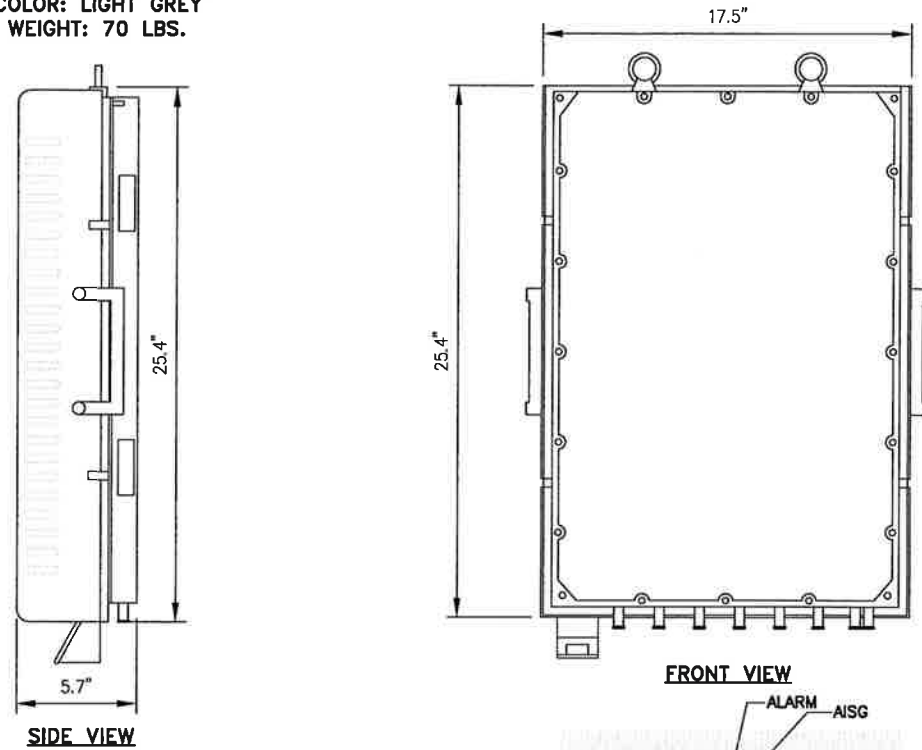
COLOR CODING
AND NOTES

SHEET NUMBER:

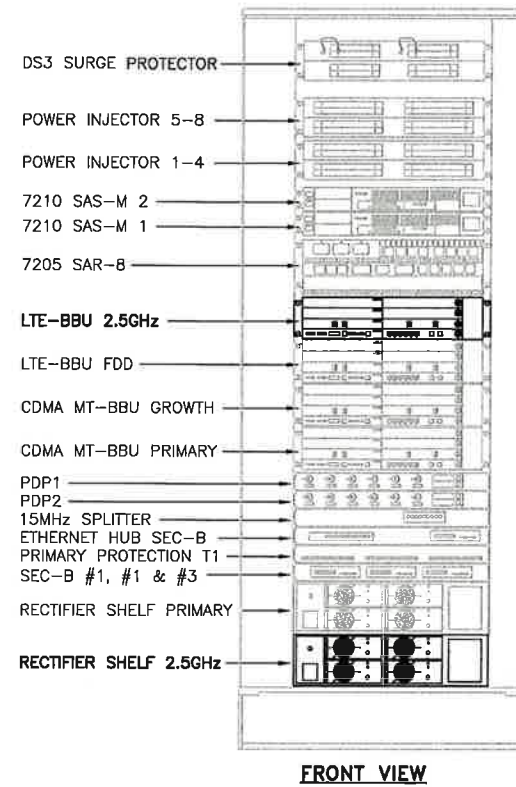
A-4

RRU: ALCATEL LUCENT TD-RRH8X20

COLOR: LIGHT GREY
WEIGHT: 70 LBS.



NOTES
COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRU'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRU PACKAGES IN THE RAIN.



2.5 RRU

NO SCALE

1

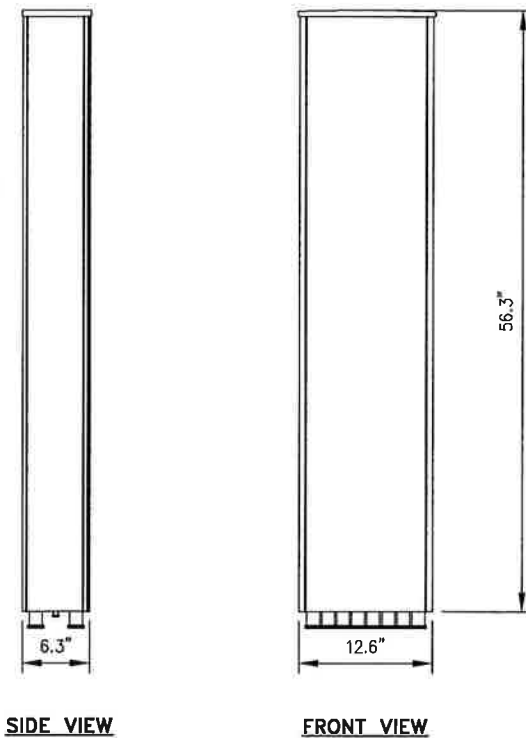
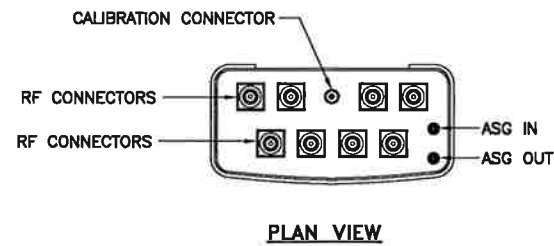
NEW EQUIPMENT IN EXISTING CABINET

NO SCALE

2

ANTENNA: RFS APXVTM14-C-120

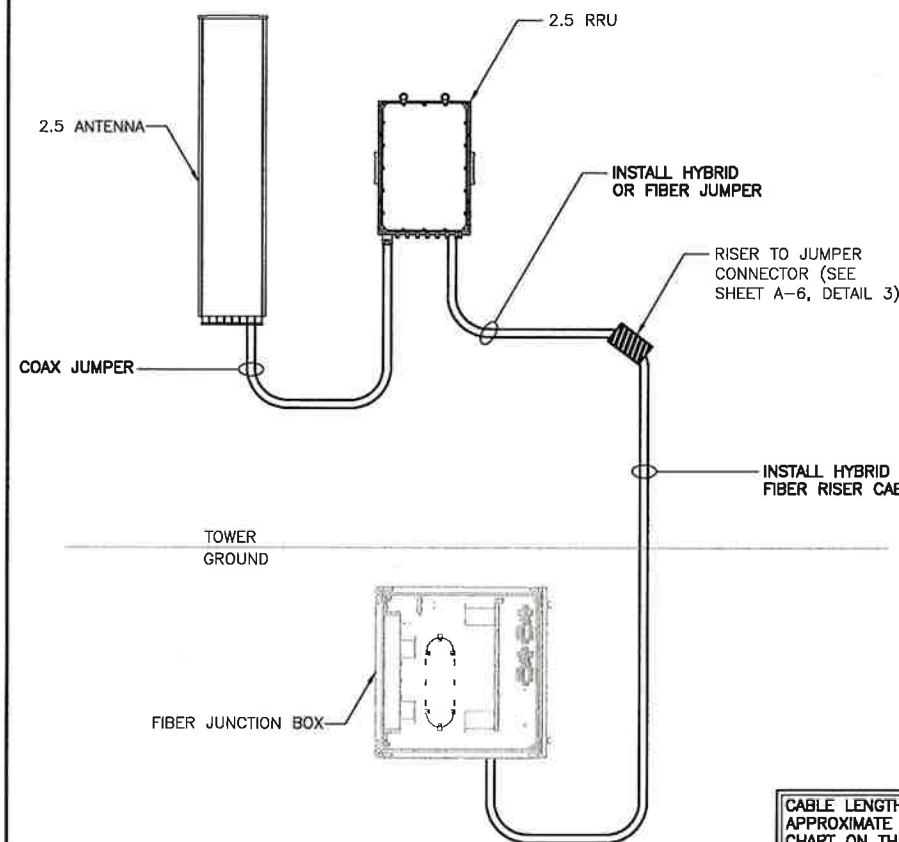
RADOME MATERIAL: ASA
RADOME COLOR: LIGHT GREY
DIMENSIONS, HxWxD.in(mim): 56.3"x12.6"x6.3" (1430x320x160mm)
WEIGHT: 52.9 lbs
CONNECTORS: (8) 4.1/9.5 DIN FEMALE
(1) NF - CALIBRATION CONNECTOR



2.5 ANTENNA

NO SCALE

3



* Riser Cable Length Estimate

	Units
At Grade	34 Feet
Vertical Rise	130 Feet
At Sprint Centerline	0 Feet
Sub-Total	164 Feet
15% Buffer	25 Feet
Total	189 Feet

ABOVE LENGTH IS AN ESTIMATE AND SHOULD BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

** Hybrid/Fiber Jumper Length Estimate

	Units
From Connector To RRU	12 Feet

ABOVE LENGTH IS AN ESTIMATE AND SHOULD BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

Coax Jumper Length Estimate

	Units
From RRU to Antenna	5 Feet

ABOVE LENGTH IS AN ESTIMATE AND SHOULD BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

NOTE:
* & **: REFERENCE SHEET A-6, DETAIL 1 FOR CORRESPONDING PART NUMBERS.

CABLE LENGTH NOTE:
APPROXIMATE LENGTH OF NEW CABLE IS SHOWN IN CHART ON THIS SHEET. CONTRACTOR TO CONFIRM EXACT CABLE LENGTH REQUIRED PRIOR TO ORDERING MATERIALS.

CABLING SCHEMATIC

NO SCALE

4

PLANS PREPARED FOR:



PLANS PREPARED BY:



MLA PARTNER:



ENGINEERING LICENSE:



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SITE NAME:

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SITE CASCADE:

CT58XC971

SITE ADDRESS:

180-182 BAYBERRY LANE
WESTPORT, CT 06880

SHEET DESCRIPTION:

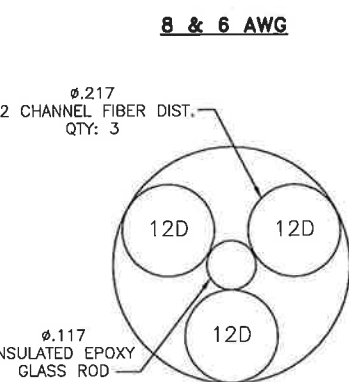
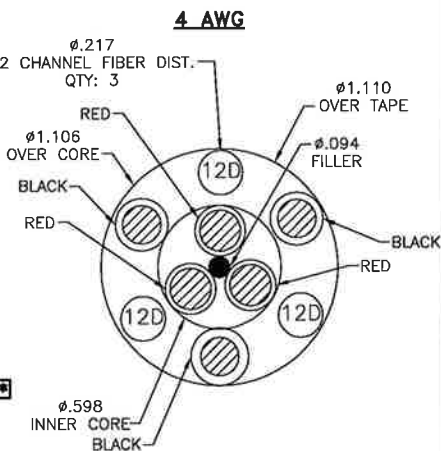
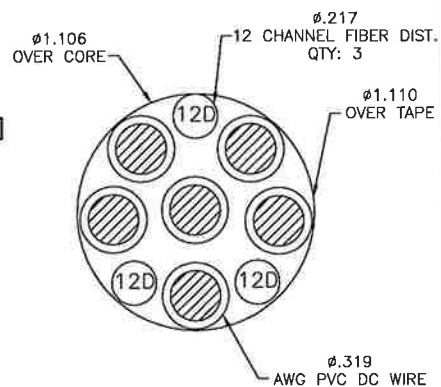
EQUIPMENT & MOUNTING DETAILS

SHEET NUMBER:

A-5

RFS HYBRIFLEX RISER CABLE SCHEDULE

Fiber Only (Existing DC Power)	Hybrid cable MN: HB058-M12-050F 12x multi-mode fiber pairs, Top: Outdoor protected connectors, Bottom: LC Connectors, 5/8 cable, 50 ft	50 ft
	MN: HB058-M12-075F	75 ft
	MN: HB058-M12-100F	100 ft
	MN: HB058-M12-125F	125 ft
	MN: HB058-M12-150F	150 ft
	MN: HB058-M12-175F	175 ft
MN: HB058-M12-200F	200 ft	
8 AWG Power	Hybrid cable MN: HB114-08U3M12-050F 3x 8 AWG power pairs, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 50 ft	50 ft
	MN: HB114-08U3M12-075F	75 ft
	MN: HB114-08U3M12-100F	100 ft
	MN: HB114-08U3M12-125F	125 ft
	MN: HB114-08U3M12-150F	150 ft
	MN: HB114-08U3M12-175F	175 ft
MN: HB114-08U3M12-200F	200 ft	
6 AWG Power	Hybrid cable MN: HB114-13U3M12-225F 3x 6 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 275 ft	225 ft
	MN: HB114-13U3M12-250F	250 ft
	MN: HB114-13U3M12-275F	275 ft
	MN: HB114-13U3M12-300F	300 ft
4 AWG Power	Hybrid cable MN: HB114-21U3M12-325F 3x 4 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 325 ft	325 ft
	MN: HB114-21U3M12-350F	350 ft
	MN: HB114-21U3M12-375F	375 ft



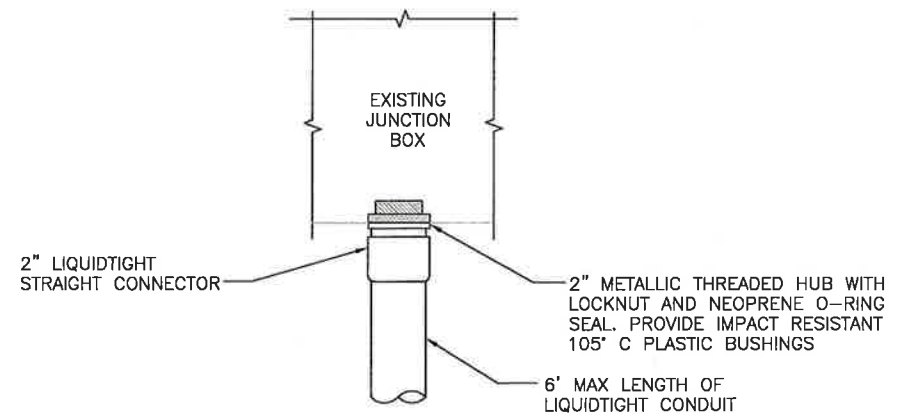
RFS HYBRIFLEX JUMPER CABLE SCHEDULE

Fiber Only	Hybrid Jumper cable MN: HBF012-M3-5F1 5 ft, 3x multi-mode fiber pairs, Outdoor & LC connectors, 1/2 cable	5 ft
	MN: HBF012-M3-10F1	10 ft
	MN: HBF012-M3-15F1	15 ft
	MN: HBF012-M3-20F1	20 ft
	MN: HBF012-M3-25F1	25 ft
	MN: HBF012-M3-30F1	30 ft
8 AWG Power	Hybrid Jumper cable MN: HBF058-08U1M3-5F1 5 ft, 1x 8 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable	5 ft
	MN: HBF058-08U1M3-10F1	10 ft
	MN: HBF058-08U1M3-15F1	15 ft
	MN: HBF058-08U1M3-20F1	20 ft
	MN: HBF058-08U1M3-25F1	25 ft
	MN: HBF058-08U1M3-30F1	30 ft
6 AWG Power	Hybrid Jumper cable MN: HBF058-13U1M3-5F1 5 ft, 1x 6 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable	5 ft
	MN: HBF058-13U1M3-10F1	10 ft
	MN: HBF058-13U1M3-15F1	15 ft
	MN: HBF058-13U1M3-20F1	20 ft
	MN: HBF058-13U1M3-25F1	25 ft
	MN: HBF058-13U1M3-30F1	30 ft
4 AWG Power	Hybrid Jumper cable MN: HBF078-21U1M3-5F1 5 ft, 1x 4 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 7/8 cable	5 ft
	MN: HBF078-21U1M3-10F1	10 ft
	MN: HBF078-21U1M3-15F1	15 ft
	MN: HBF078-21U1M3-20F1	20 ft
	MN: HBF078-21U1M3-25F1	25 ft
	MN: HBF078-21U1M3-30F1	30 ft

NOTE: SPRINT CM TO CONFIRM HYBRID OR FIBER RISER CABLE AND HYBRID OR FIBER JUMPER CABLE MODEL NUMBERS IF HYBRID CABLES ARE REQUIRED BEFORE PREPARING BOM.

2.5 CABLE CROSS SECTION DATA

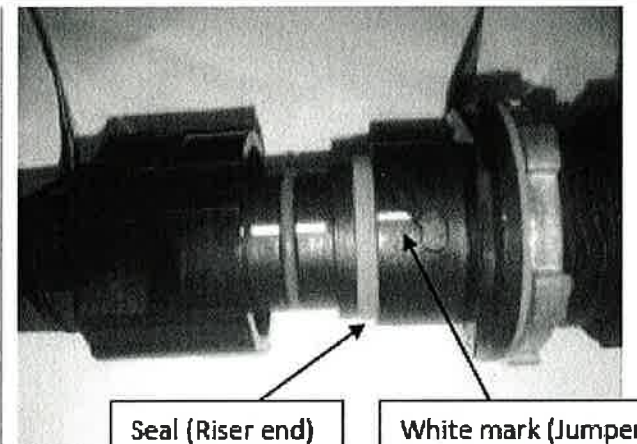
NO SCALE 1



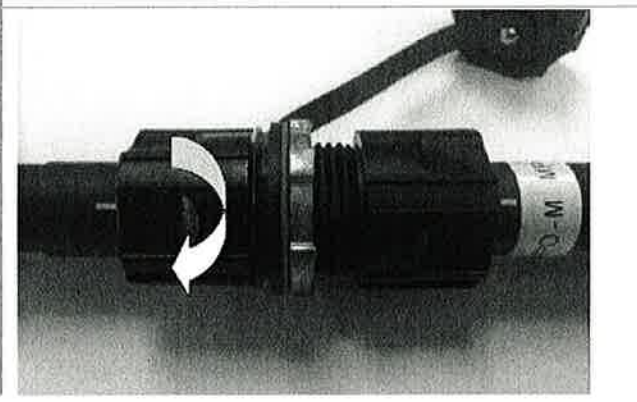
FIBER JUNCTION BOX PENETRATION

NO SCALE 2

IMPORTANT!! Line up white markings on jumper and riser IP-MPO connectors and slide the riser connector to the jumper connector. Push the white mark on the jumper connector flush again the red seal on the riser connector.



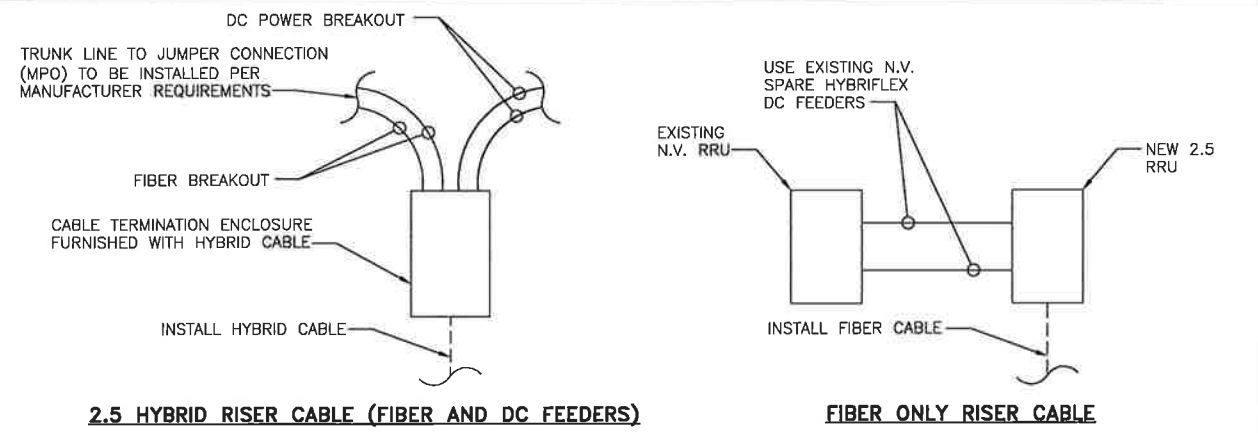
IMPORTANT!! Rotate the bayonet housing clock wise until you hear a click sound (means a good connection is in place).



INFORMATION BASED ON PROVIDED INFORMATION FROM ALCATEL-LUCENT 2.5 GHz UPGRADE INSTALLATION GUIDE.

HYBRIFLEX RISER/JUMPER CONNECTION DETAIL

NO SCALE 3



2.5 HYBRID RISER CABLE (FIBER AND DC FEEDERS)

FIBER ONLY RISER CABLE

TRUNK LINE DETAIL (TYP.)

NO SCALE 4

PLANS PREPARED FOR:

6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED BY:

Design, Build, Deliver.

1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793

JOB NUMBER 340-000

MLA PARTNER:

10 PRESIDENTIAL WAY
WOBURN, MA 01801

ENGINEERING LICENSE:

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ISSUED FOR CONSTRUCTION		7/15/14	DJG	2
REVISED PER COMMENTS		7/10/14	AHS	1
ISSUED FOR PERMIT		6/10/14	DJG	0
ISSUED FOR REVIEW		05/27/14	JLM	A

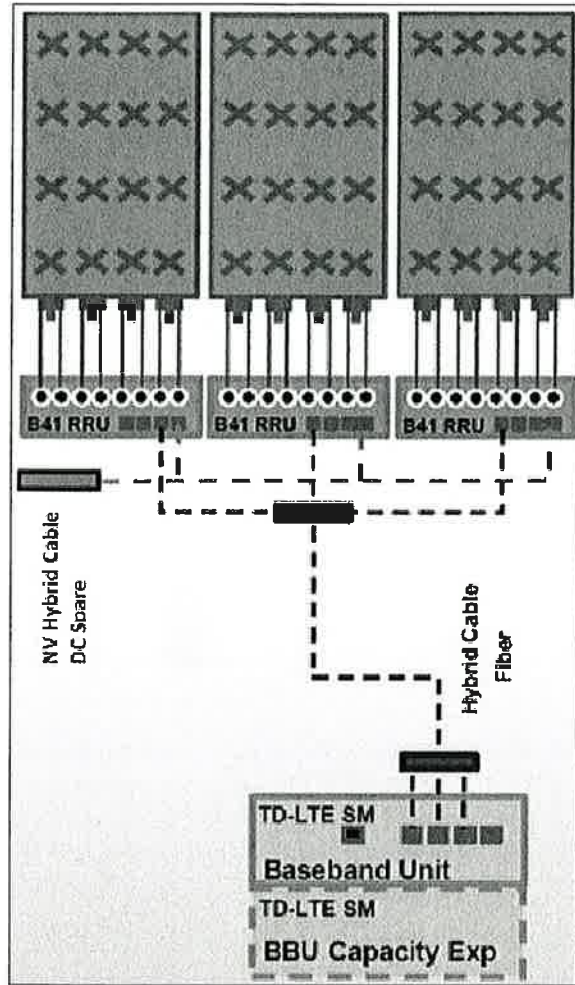
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WSPT-WESTPORT REBUILD CT

SITE CASCADE:
CT58XC971

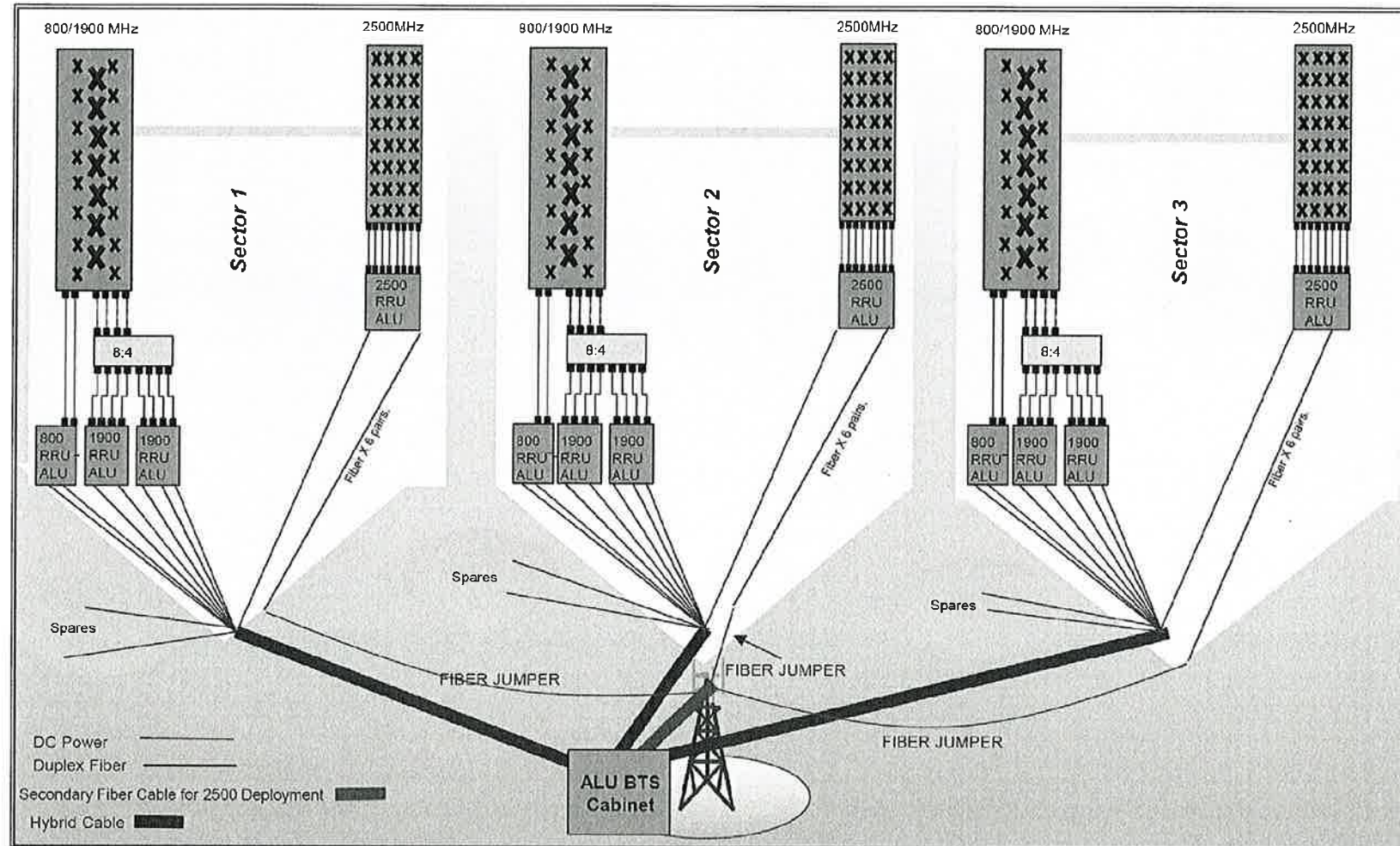
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180-182 BAYBERRY LANE
WESTPORT, CT 06880

SHEET DESCRIPTION:
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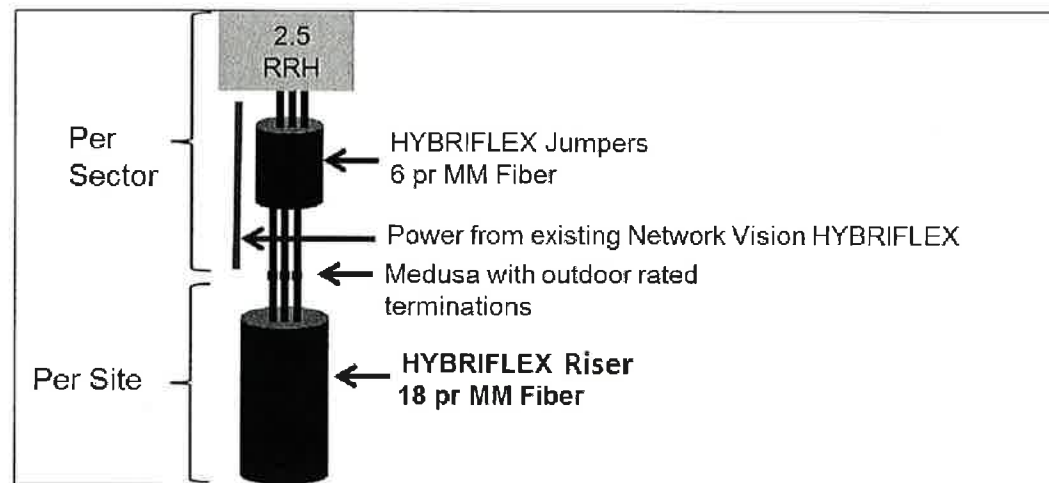
SHEET NUMBER:
A-6



ALU 2.5 ALU SCENARIO 1



RAN WIRING DIAGRAM



RF 2.5 ALU SCENARIO 1

PLUMBING DIAGRAM

NO SCALE

1

PLANS PREPARED FOR:

6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED BY:

Design. Build. Deliver.
1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793
JOB NUMBER 340-000

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REVISED PER COMMENTS		7/10/14	AHS	1
ISSUED FOR PERMIT		6/10/14	DJG	0
ISSUED FOR REVIEW		05/27/14	JJM	A

SITE NAME:
WSPT-WESTPORT
REBUILD CT

SITE CASCADE:
CT58XC971

SITE ADDRESS:
180-182 BAYBERRY LANE
WESTPORT, CT 06880

SHEET DESCRIPTION:
PLUMBING DIAGRAM

SHEET NUMBER:
A-7

PLANS PREPARED FOR:
Sprint
 6580 Sprint Parkway
 Overland Park, Kansas 66251

PLANS PREPARED BY:
INFINIGY Design. Build. Deliver.
 1033 Watervliet Shaker Rd
 Albany, NY 12205
 Office # (518) 690-0790
 Fax # (518) 690-0793
 JOB NUMBER 340-000

MLA PARTNER:
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ISSUED FOR REVIEW	05/27/14	JLM	A

SITE NAME:
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SITE CASCADE:
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SITE ADDRESS:
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 WESTPORT, CT 06880

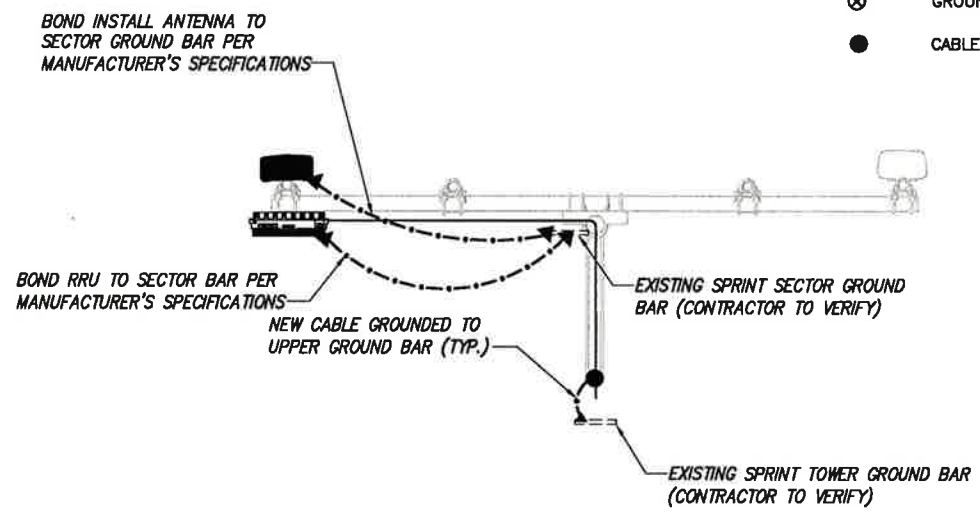
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ELECTRICAL & GROUNDING PLAN

SHEET NUMBER:
E-1

PLAN NOT USED

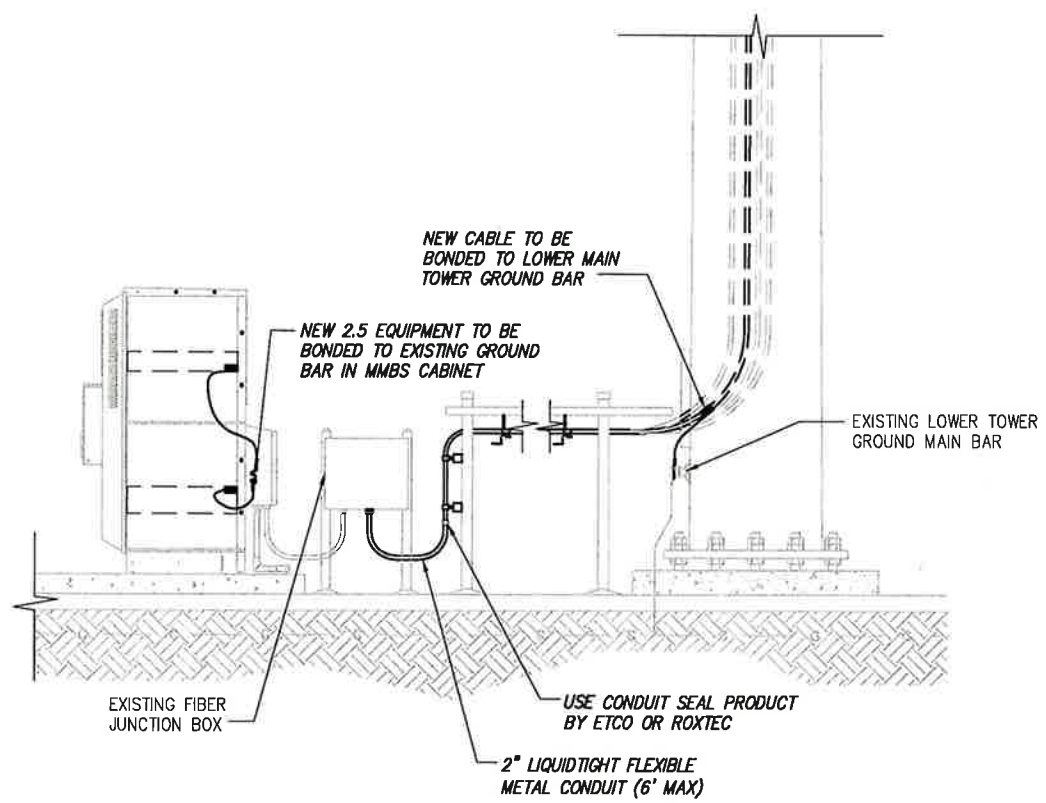
NO SCALE 1

- LEGEND:**
- ○ --- EXISTING GROUND RING
 - CADWELD CONNECTION (EXOTHERMIC WELD)
 - ▲ MECHANICAL CONNECTION
 - ⊗ GROUND ROD
 - CABLE GROUND KIT



TYPICAL ANTENNA GROUNDING PLAN

NO SCALE 2



TYPICAL EQUIPMENT GROUNDING PLAN (ELEVATION)

NO SCALE 3



INFINIGY Design. Build. Deliver.
 1033 Watervliet Shaker Rd
 Albany, NY 12205
 Office # (518) 690-0790
 Fax # (518) 690-0793
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ISSUED FOR PERMIT		6/10/14	DJG	0
ISSUED FOR REVIEW		05/27/14	JLM	A

SITE NAME:
WSPT-WESTPORT REBUILD CT

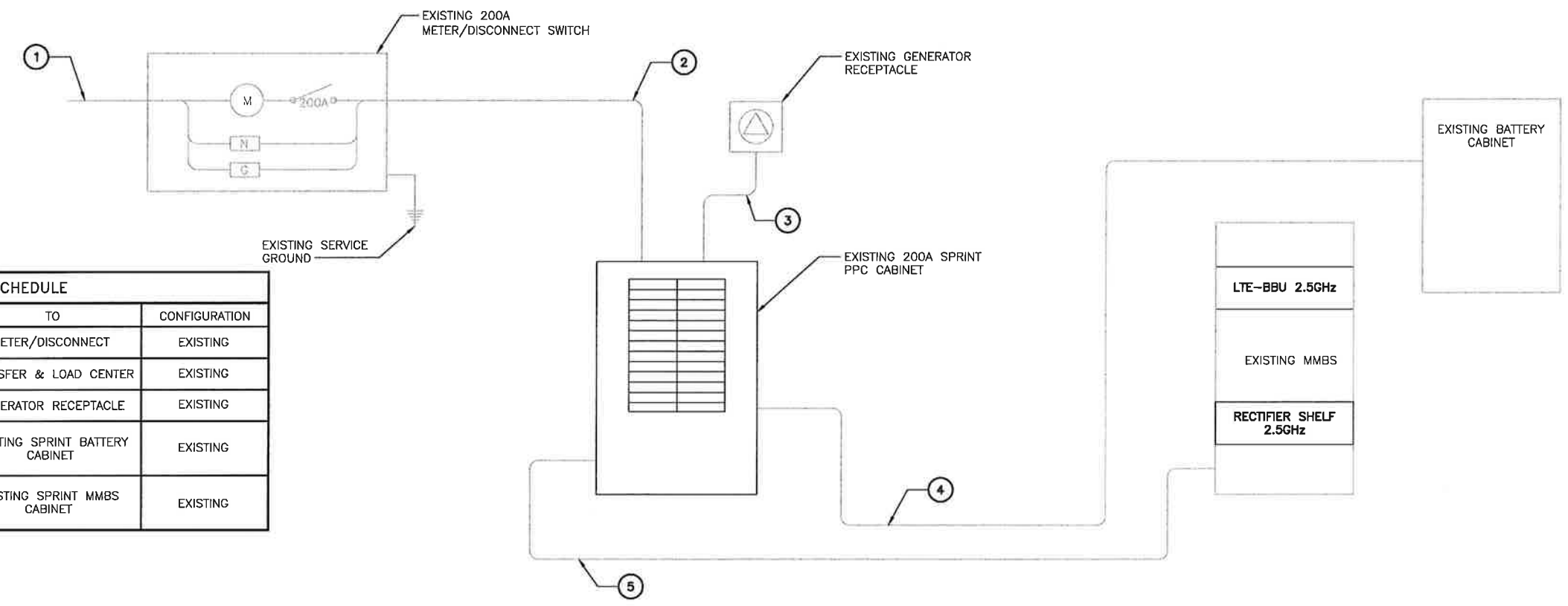
SITE CASCADE:
CT58XC971

SITE ADDRESS:
180-182 BAYBERRY LANE
WESTPORT, CT 06880

SHEET DESCRIPTION:
ELECTRICAL & GROUNDING DETAILS

SHEET NUMBER:
E-2

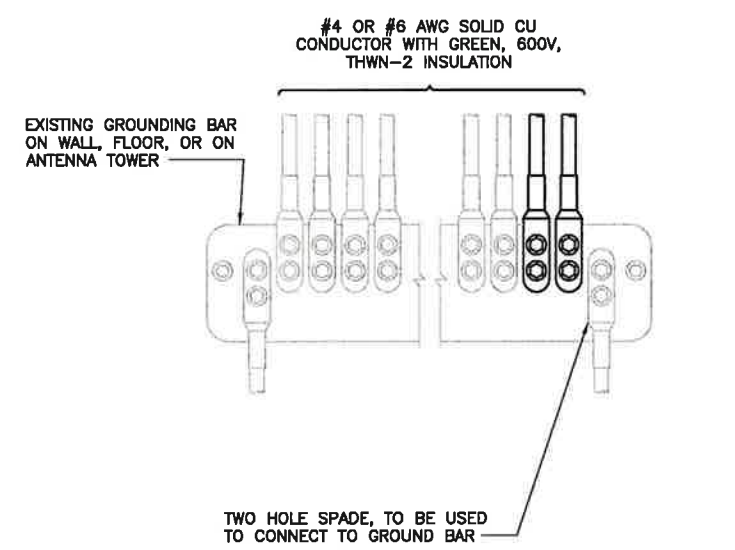
NOTES
 CG SHALL REFERENCE ALL SPECS FOR "CONNECTING THE POWER SUPPLY" OF THE NEW INSTALLATION DOCUMENTS, FOR ALL CONNECTION SPECIFICATIONS.



CIRCUIT SCHEDULE			
NO	FROM	TO	CONFIGURATION
①	UTILITY SOURCE	METER/DISCONNECT	EXISTING
②	METER/DISCONNECT	TRANSFER & LOAD CENTER	EXISTING
③	TRANSFER & LOAD CENTER	GENERATOR RECEPTACLE	EXISTING
④	TRANSFER & LOAD CENTER	EXISTING SPRINT BATTERY CABINET	EXISTING
⑤	TRANSFER & LOAD CENTER	EXISTING SPRINT MMBS CABINET	EXISTING

ELECTRICAL ONE-LINE DIAGRAM

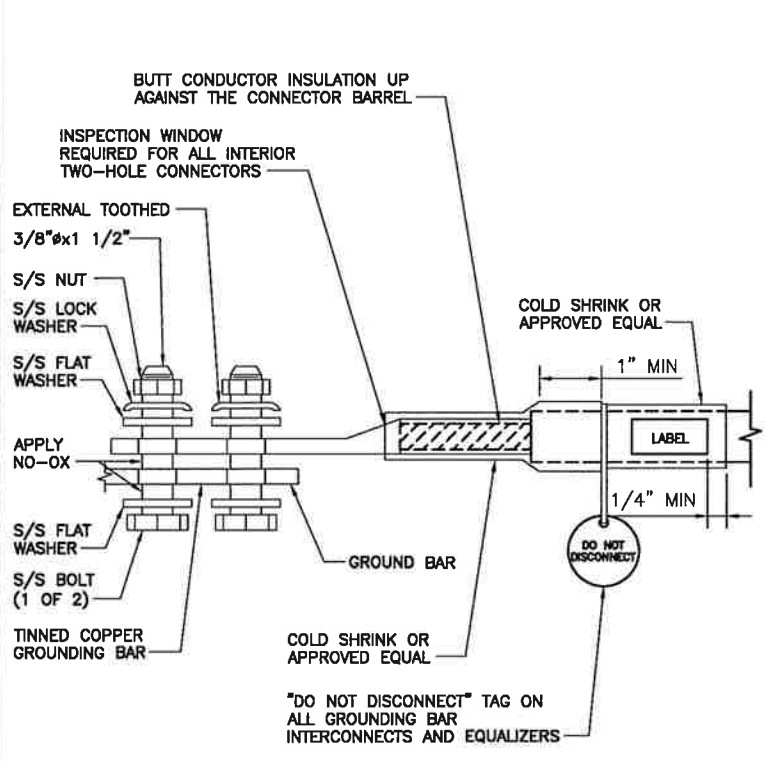
NO SCALE 1



NOTES
 1. APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG.
 2. IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT SPRINT CM FOR REPLACEMENT THREADED ROD KIT.

INSTALLATION OF GROUNDING CONDUCTOR TO GROUNDING BAR

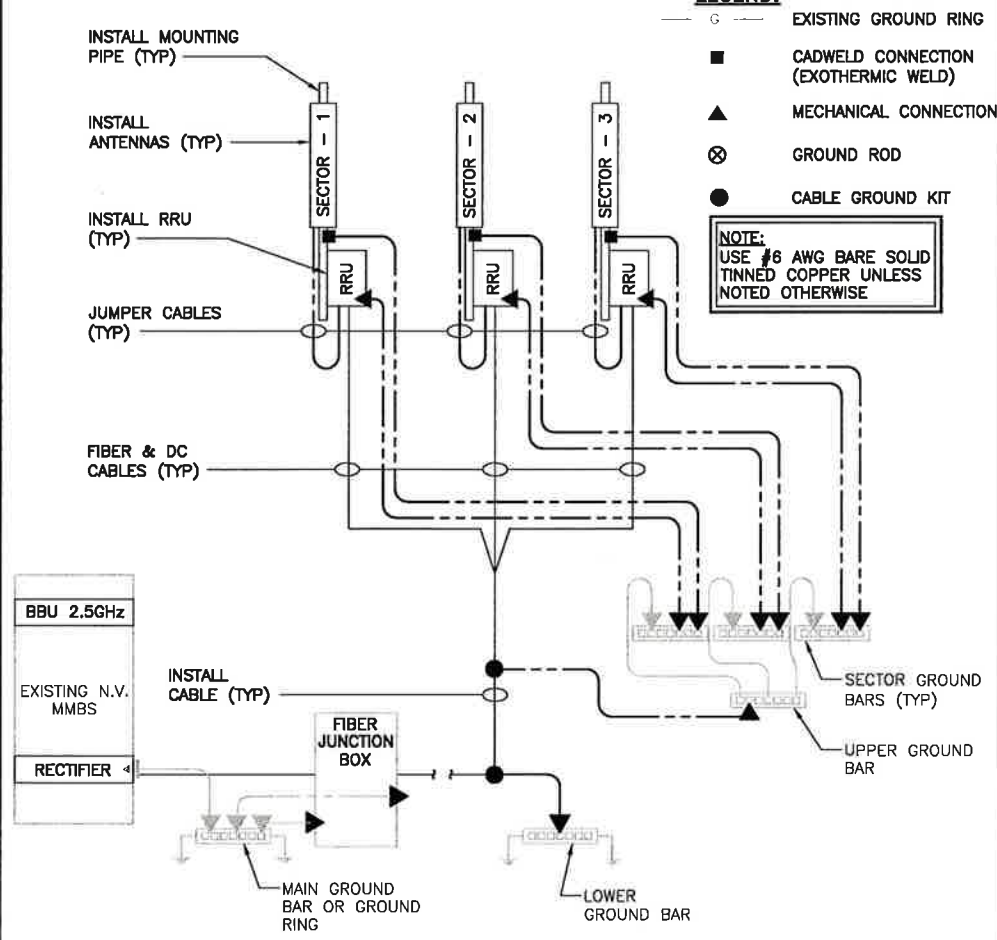
NO SCALE 2



"DO NOT DISCONNECT" TAG ON ALL GROUNDING BAR INTERCONNECTS AND EQUALIZERS

TWO HOLE LUG

NO SCALE 3



GROUNDING RISER DIAGRAM

NO SCALE 4