



48 Spruce Street
Oakland, NJ 07436
Phone: (201)-951-3869
Tom Kincaid
Real Estate Consultant

March 27, 2014

Hand Delivered

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

RE: Sprint Spectrum L.P. notice of intent to modify an existing telecommunications facility located at 310 Prestige Park Road East Hartford, CT 06108. Known to Sprint Spectrum L.P. as site CT54XC784.

Dear Ms. Roberts:

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 JPalumbo@Transcendwireless.com with questions concerning this matter.
Thank you for your consideration.

Sincerely,

Jennifer Palumbo
Real Estate Consultant



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

Sprint Existing Facility

Site ID: CT54XC784

EHFR Prestige Park

310 Prestige Park Road
East Hartford, CT 06108

March 18, 2014

EBI Project Number: 62141224

March 18, 2014

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

Re: Radio Frequency Maximum Permissible Exposure (MPE) Assessment for Site:
CT54XC784 - EHFR Prestige Park

Site Total: 39.257% - MPE % in full compliance

EBI Consulting was directed to analyze the proposed upgrades to the existing Sprint facility located at 310 Prestige Park Road, East Hartford, 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 band 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 310 Prestige Park Road, East Hartford, CT, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. All calculations were performed assuming the main lobe of the antenna was focused at the base of the tower to present a worst case scenario. Actual values seen from this site will be dramatically less than those shown in this report. 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) 5 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 was used in this direction.

- 6) The antennas used in this modeling are the RFS APXVSPP18-C-A20, The RFS APXV9ERR18-C-A20 and the RFS APXVTMM-C-120. 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 APXV9ERR18-C-A20 has a 14.9 dBd gain value at its main lobe at 1900 MHz and 11.9 dBd at its main lobe for 850 MHz. The RFS APXVTMM-C-120 has a 15.9 dBd gain value at its main lobe at 2500 MHz. All calculations were performed assuming the main lobe of the antenna was focused at the base of the tower to present a worst case scenario.
- 7) The antenna mounting height centerline for the proposed antennas is **138 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	CT54XC785 - EHFR Prestige Park
Site Address	310 Prestige Park Road, East Hartford, CT 06108
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 in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Antenna Height Meters	Cable Size	Cable Loss (dB)	Additional Loss (dB)	Gain Factor	ERP	Power Density Value	Power Density Percentage
1a	RFS	APXV9ERR18-C-A20	RRH	1900 MHz	CDMA / LTE	20	5	100	14.9	138	132	40.23409	1/2 "	0.5	3	13.803843	1380.3843	28.48119	2.84812%
1a	RFS	APXV9ERR18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	11.9	138	132	40.23409	1/2 "	0.5	3	6.9183097	138.36619	2.854882	0.50351%
1B	RFS	APXVTMM14-C-120	RRH	2500 MHz	CDMA / LTE	20	2	40	13.4	138	132	40.23409	1/2 "	0.5	3	9.7723722	390.89489	8.065255	1.42244%
Sector total Power Density Value:																	4.774%		

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 in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Antenna Height Meters	Cable Size	Cable Loss (dB)	Additional Loss (dB)	Gain Factor	ERP	Power Density Value	Power Density Percentage
2a	RFS	APXV9ERR18-C-A20	RRH	1900 MHz	CDMA / LTE	20	5	100	14.9	138	132	40.23409	1/2 "	0.5	3	13.803843	1380.3843	28.48119	2.84812%
2a	RFS	APXV9ERR18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	11.9	138	132	40.23409	1/2 "	0.5	3	6.9183097	138.36619	2.854882	0.50351%
2B	RFS	APXVTMM14-C-120	RRH	2500 MHz	CDMA / LTE	20	2	40	13.4	138	132	40.23409	1/2 "	0.5	3	9.7723722	390.89489	8.065255	1.42244%
Sector total Power Density Value:																	4.774%		

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 in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Antenna Height Meters	Cable Size	Cable Loss (dB)	Additional Loss (dB)	Gain Factor	ERP	Power Density Value	Power Density Percentage
3a	RFS	APXVSP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	5	100	15.9	138	132	40.23409	1/2 "	0.5	3	17.378008	1737.8008	35.85569	3.58557%
3a	RFS	APXVSP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	13.4	138	132	40.23409	1/2 "	0.5	3	9.7723722	195.44744	4.032628	0.71122%
3B	RFS	APXVTMM14-C-120	RRH	2500 MHz	CDMA / LTE	20	2	40	13.4	138	132	40.23409	1/2 "	0.5	3	9.7723722	390.89489	8.065255	1.42244%
Sector total Power Density Value:																	5.719%		

Site Composite MPE %	
Carrier	MPE %
Sprint	15.267%
Clearwire	1.880%
AT&T	14.690%
MetroPCS	7.420%
Total Site MPE %	39.257%

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 **15.267% (4.774% from sectors 1&2 and 5.719% 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 **39.257%** 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 : 150 ft Monopole
ATC Site Name : E H F R - Prestige Park, CT
ATC Site Number : 302473
Engineering Number : 55510721
Proposed Carrier : Sprint Nextel
Carrier Site Name : N/A
Carrier Site Number : CT54XC784
Site Location : 310 Prestige Park Rd.
East Hartford, CT 06108-1206
41.788333,-72.600556
County : Hartford
Date : December 20, 2013
Max Usage : 97%
Result : Pass

Robert Keith
Structural Engineer III



Dec 23 2013 10:28 AM



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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 150 ft monopole to reflect the change in loading by Sprint Nextel.

Supporting Documents

Tower Drawings	AT&T Specification AT-8935 Type "B" 150' Mast
Foundation Drawing	Girard & Co. Engineers drawing 38904 dated 4/20/83
Geotechnical Report	GeoTechnologies, Inc. Project No. 1-02-1122-EA dated 9/6/02
Modifications	ATC Job # 51574121 dated 1/17/13

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/TIA-222.

Basic Wind Speed:	95 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
Structure Class:	II
Exposure Category:	B
Topographic Category:	1

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

Mount Elev. ¹ (ft)	Qty.	Antenna	Mount Type	Lines	Carrier
150.0	1	6' Omni	Platform	(1) 1 5/8" Coax	USA Mobility
	6	ADC DD1900		(12) 7/8" Coax (2) 19.7 mm Cable (1) 3/8" Control (1) 10 mm Cable	AT&T Mobility
	6	CSS DUO4-8670			
	6	Ericsson RRUS 11			
	6	Kathrein 860 10025			
	3	KMW AM-X-CD-16-65-00T-RET			
	1	Raycap DC6-48-60-18-8F			
138.0	6	Alcatel-Lucent 4X40W RRH	T-Arms	(3) 1 1/4" Hybriflex	Sprint Nextel
	3	Alcatel-Lucent 800 MHz RRH w/ Solar Sheild			
	2	RFS APXV9ERR18-C-A20			
	1	RFS APXVSP18-C-A20			
	3	RFS IBC1900BB-1			
	3	RFS IBC1900HG-2A			
128.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	Metro PCS
118.0	3	Argus LLPX310R	Pipe	(6) 5/16" Coax (3) 1/2" Coax (1) 2" Conduit	Clearwire Corporation
	1	DragonWave A-ANT-23G-1-C			
	2	DragonWave A-ANT-23G-2-C			
	3	DragonWave Horizon Compact			
	1	Generic 12" x 12" Junction Box			
	3	NextNet BTS-2500			
91.0	-	-	-	-	-
35.0	1	PCTEL GPS-TMG-HR-26N	Stand-off	(1) 1/2" Coax	AT&T Mobility
34.0	1	GPS	Stand-off	(1) 1/2" Coax	Sprint Nextel

Proposed Equipment

Elevation ¹ (ft)		Qty.	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
138.0	138.0	3	RFS APXVTM14-C-I20	T-Arms	-	Sprint Nextel
		3	Alcatel-Lucent TD-RRHx20-25 w/			

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).

No new lines are being added at this time.



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	71%	Pass
Shaft	97%	Pass
Base Plate	72%	Pass
Reinforcement	75%	Pass

Foundations

Reaction Component	Analysis Reactions
Moment (Kips-Ft)	2,247.7
Axial (Kips)	58.5
Shear (Kips)	23.3

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) (°)
138.0	2.561	2.523

*Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-G



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:

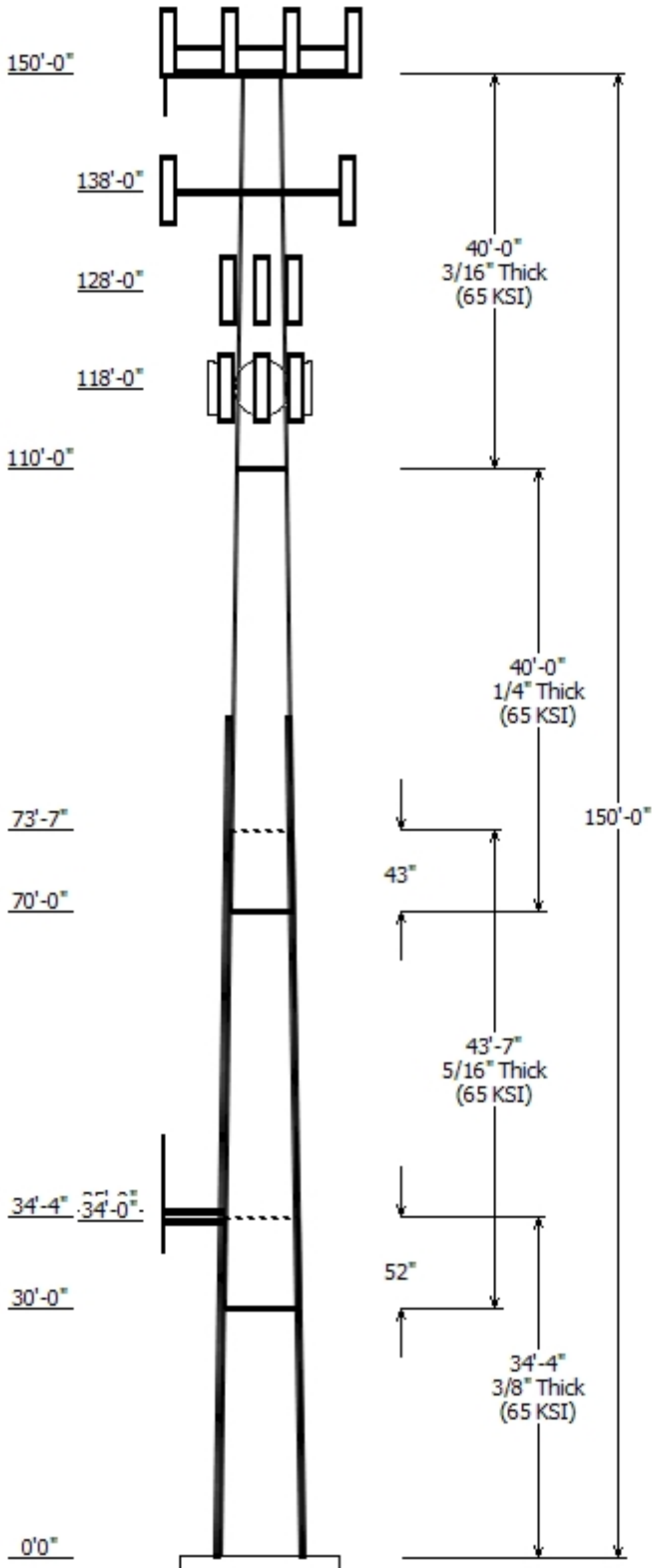
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements 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 :	302473
Code :	ANSI/TIA-222 Rev G
Description :	150' ITT Meyer Type "B" Monopole
Client :	Sprint Nextel
Struct Class :	II
Location :	E H F R - Prestige Park, CT
Shape :	12 Sides
Exposure :	B
Height :	150.00 (ft)
Topo :	1
Base Elev (ft):	0.00
Taper:	0.15080(in/ft)

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap		Steel Grade (ksi)
		Across Top	Flats Bottom			Length (in)	Taper (in/ft)	
1	34.333	30.82	36.00	0.375		0.000	0.150800	65
2	43.583	25.52	32.10	0.313	Slip Joint	52.000	0.150800	65
3	40.000	20.53	26.56	0.250	Slip Joint	43.000	0.150800	65
4	40.000	14.50	20.53	0.188	Butt Joint	0.000	0.150800	65

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
150.000	151.000	1	Raycap DC6-48-60-18-8F	
150.000	150.000	1	Platform	
150.000	153.000	3	KMW AM-X-CD-16-65-00T-RET	
150.000	153.000	6	Kathrein 860 10025	
150.000	151.000	6	Ericsson RRUS 11	
150.000	153.000	6	CSS DUO4-8670	
150.000	153.000	6	ADC DD1900	
150.000	150.000	1	6' Omni	
138.000	138.000	3	Alcatel-Lucent TD-RRHx20-25	
138.000	138.000	3	RFS APXVTM14-C-I20	
138.000	138.000	3	T-Arms	
138.000	138.000	3	RFS IBC1900HG-2A	
138.000	138.000	3	RFS IBC1900BB-1	
138.000	138.000	1	RFS APXVSP18-C-A20	
138.000	138.000	2	RFS APXV9ERR18-C-A20	
138.000	138.000	3	Alcatel-Lucent 800 MHz RRH w/	
138.000	138.000	6	Alcatel-Lucent 4X40W RRH	
128.000	128.000	3	RFS APXV18-206517S-C	
128.000	128.000	1	Flush Mounts	
118.000	118.000	3	NextNet BTS-2500	
118.000	118.000	1	Generic 12" x 12" Junction Box	
118.000	118.000	3	DragonWave Horizon Compact	
118.000	118.000	2	DragonWave A-ANT-23G-2-C	
118.000	118.000	1	DragonWave A-ANT-23G-1-C	
118.000	118.000	1	Clearwire Mount	
118.000	118.000	3	Argus LLPX310R	
35.000	35.000	1	Stand-off	
35.000	35.000	1	PCTEL GPS-TMG-HR-26N	
34.000	34.000	1	Stand-off	
34.000	34.500	1	GPS	

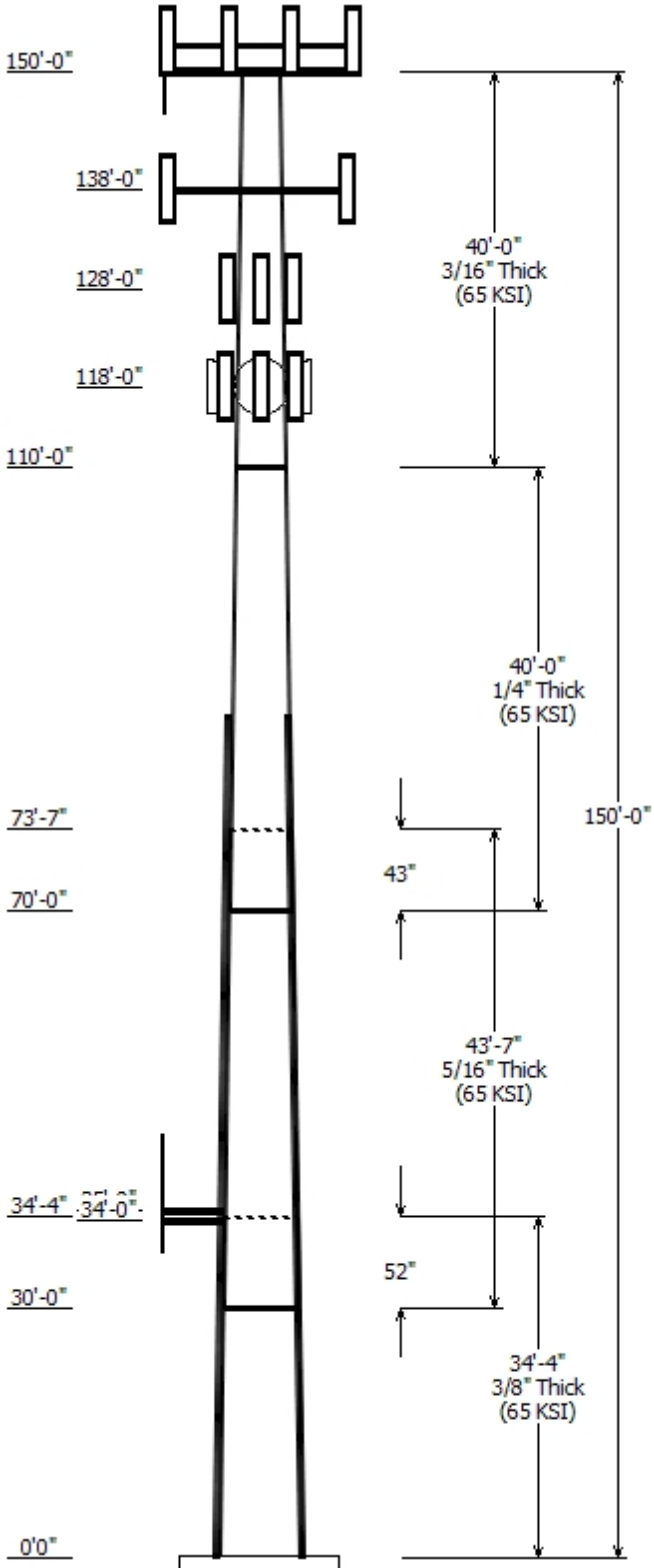
Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
4.000	118.0	1/2" Coax	No
4.000	118.0	2" Conduit	No
4.000	118.0	5/16" Coax	No
4.000	128.0	1 5/8" Coax	Yes
4.000	34.000	1/2" Coax	Yes
0.000	35.000	1/2" Coax	Yes
0.000	91.000	#20 Dywidag Bars	Yes

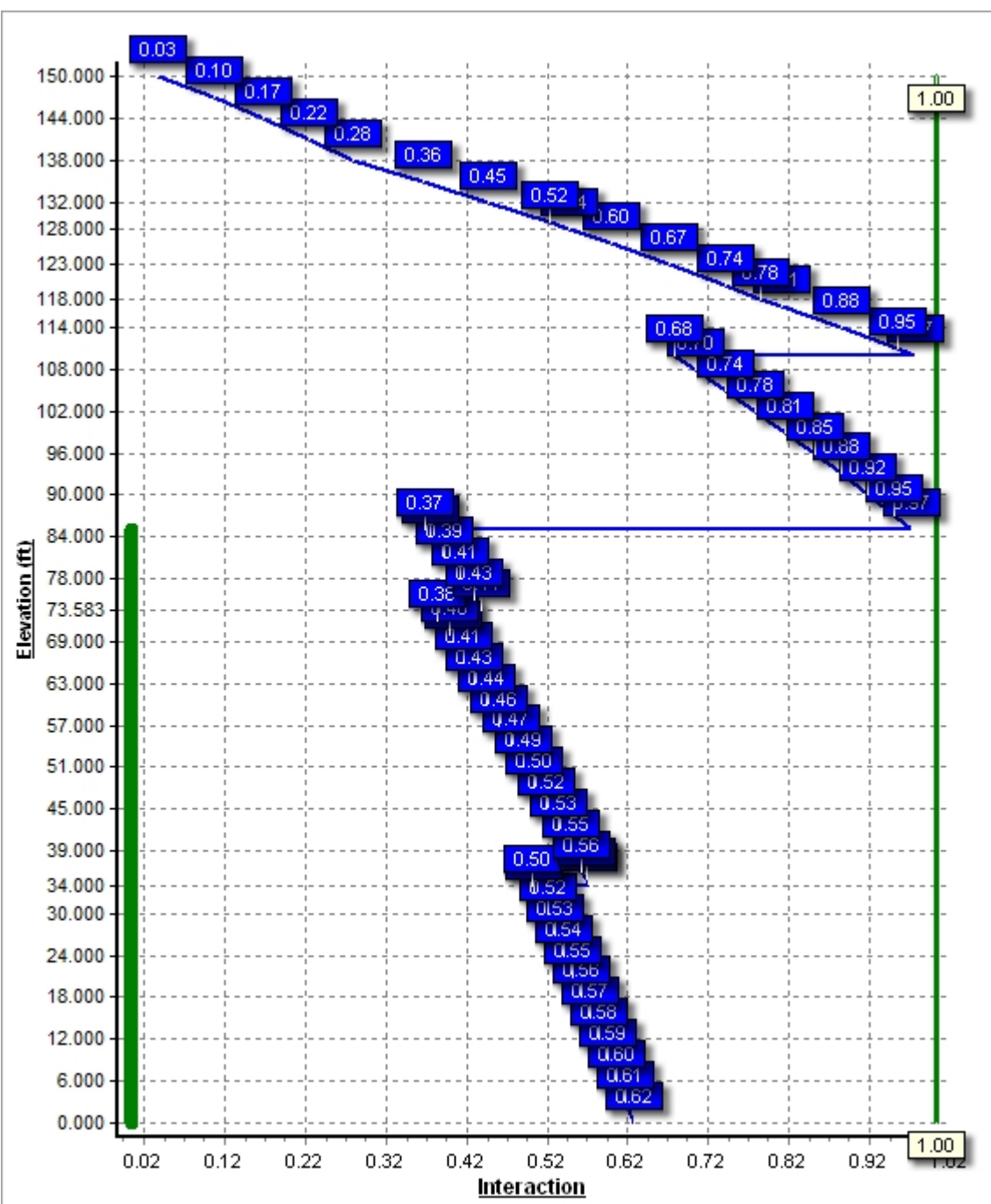
0.000	91.000	#20 Dywidag Bars	Yes
0.000	91.000	Angle Brackets	Yes
0.000	138.0	1 1/4" Hybriflex	No
0.000	150.0	1 5/8" Coax	No
0.000	150.0	10 mm Cable	No
0.000	150.0	19.7 mm Cable	No
0.000	150.0	3/8" Control	No
0.000	150.0	7/8" Coax	No

Load Cases	
1.2D + 1.6W	95.00 mph with No Ice
0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice
1.0D + 1.0W	60.00 mph Serviceability

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	2247.65	23.33	30.41
0.9D + 1.6W	2211.06	23.26	24.22
1.2D + 1.0Di + 1.0Wi	630.58	6.05	58.52
1.0D + 1.0W	555.27	5.80	26.31

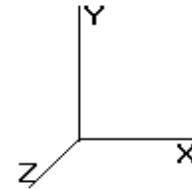
Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	118.00	20.990	2.059
1.0D + 1.0W	118.00	20.990	2.059





Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Bottom						Top							
							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)	
1-12	34.333	0.3750	65		0.00	4,660	36.00	0.00	43.02	6968.5	23.58	96.00	30.82	34.33	36.77	4350.4	19.88	82.19	0.150800	
2-12	43.583	0.3125	65	Slip	52.00	4,253	32.10	30.00	31.99	4125.7	25.38	102.72	25.52	73.58	25.37	2059.3	19.75	81.69	0.150800	
3-12	40.000	0.2500	65	Slip	43.00	2,553	26.56	70.00	21.19	1873.2	26.33	106.28	20.53	110.00	16.33	857.9	19.87	82.15	0.150800	
4-12	40.000	0.1875	65	Butt	0.00	1,424	20.53	110.00	12.29	649.4	27.21	109.53	14.50	150.00	8.64	226.2	18.58	77.36	0.150800	
Shaft Weight						12,892														

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		
150.00	6' Omni	1	35.00	1.770	1.00	67.58	3.418	1.00	0.000	0.000
150.00	ADC DD1900	6	12.10	1.280	0.50	37.79	2.362	0.50	0.000	3.000
150.00	CSS DUO4-8670	6	38.50	6.590	0.82	278.61	7.246	0.82	0.000	3.000
150.00	Ericsson RRUS 11	6	55.00	2.940	0.71	171.00	3.408	0.71	0.000	1.000
150.00	Kathrein 860 10025	6	1.20	0.180	1.00	18.66	0.484	1.00	0.000	3.000
150.00	KMW AM-X-CD-16-65-00T-Platform	3	48.50	8.260	0.75	317.43	9.784	0.75	0.000	3.000
150.00	Raycap DC6-48-60-18-8F	1	1800.00	30.000	1.00	3,475.41	57.923	1.00	0.000	0.000
150.00	Raycap DC6-48-60-18-8F	1	31.80	1.470	1.00	114.23	2.403	1.00	0.000	1.000
138.00	Alcatel-Lucent 4X40W RRH	6	59.50	2.710	0.50	194.59	3.235	0.50	0.000	0.000
138.00	Alcatel-Lucent 800 MHz RRH	3	61.80	2.910	0.50	210.69	3.382	0.50	0.000	0.000
138.00	Alcatel-Lucent TD-RRHx20-	3	60.00	2.120	0.50	164.77	2.614	0.50	0.000	0.000
138.00	RFS APXV9ERR18-C-A20	2	62.00	8.260	0.83	354.58	9.768	0.83	0.000	0.000
138.00	RFS APXVSP18-C-A20	1	57.00	8.260	0.83	337.68	9.768	0.83	0.000	0.000
138.00	RFS APXVTM14-C-I20	3	52.90	6.900	0.83	278.95	7.840	0.83	0.000	0.000
138.00	RFS IBC1900BB-1	3	22.00	1.130	0.50	74.96	1.559	0.50	0.000	0.000
138.00	RFS IBC1900HG-2A	3	22.00	1.130	0.50	74.96	1.559	0.50	0.000	0.000
138.00	T-Arms	3	250.00	6.000	0.75	526.92	12.757	0.75	0.000	0.000
128.00	Flush Mounts	1	200.00	3.500	1.00	658.07	8.310	1.00	0.000	0.000
128.00	RFS APXV18-206517S-C	3	26.40	5.160	0.74	195.39	6.825	0.74	0.000	0.000
118.00	Argus LLPX310R	3	28.60	4.830	0.69	179.27	5.486	0.69	0.000	0.000
118.00	Clearwire Mount	1	40.00	8.500	1.00	83.62	17.769	1.00	0.000	0.000
118.00	DragonWave A-ANT-23G-1-C	1	15.00	1.610	1.00	61.09	2.598	1.00	0.000	0.000
118.00	DragonWave A-ANT-23G-2-C	2	12.30	4.690	0.90	70.21	6.352	0.90	0.000	0.000
118.00	DragonWave Horizon	3	10.60	0.430	0.50	39.93	1.095	0.50	0.000	0.000
118.00	Generic 12" x 12" Junction	1	10.00	1.400	1.00	64.33	2.504	1.00	0.000	0.000
118.00	NextNet BTS-2500	3	35.00	2.120	0.73	116.09	2.559	0.73	0.000	0.000
35.00	PCTEL GPS-TMG-HR-26N	1	0.60	0.090	1.00	14.20	0.317	1.00	0.000	0.000
35.00	Stand-off	1	50.00	2.000	1.00	90.24	3.609	1.00	0.000	0.000
34.00	GPS	1	10.00	1.000	1.00	43.70	1.818	1.00	0.000	0.500
34.00	Stand-off	1	50.00	2.000	1.00	90.12	3.605	1.00	0.000	0.000
Totals		79	5299.20			16,691.75			Number of Loadings : 30	

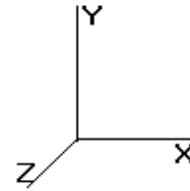
Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
0.00	150.00	(1) 1 5/8" Coax	0.00	N
0.00	150.00	(1) 10 mm Cable	0.00	N
0.00	150.00	(2) 19.7 mm Cable	0.00	N
0.00	150.00	(1) 3/8" Control	0.00	N

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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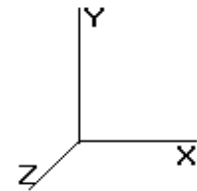
0.00	150.00	(12) 7/8" Coax	0.00	N
0.00	138.00	(3) 1 1/4" Hybriflex	0.00	N
4.00	128.00	(6) 1 5/8" Coax	1.98	Y
4.00	118.00	(3) 1/2" Coax	0.00	N
4.00	118.00	(1) 2" Conduit	0.00	N
4.00	118.00	(6) 5/16" Coax	0.00	N
0.00	91.00	(2) #20 Dywidag Bars	2.72	Y
0.00	91.00	(2) #20 Dywidag Bars	2.72	Y
0.00	91.00	(0) Angle Brackets	2.00	Y
0.00	35.00	(1) 1/2" Coax	0.00	Y
4.00	34.00	(1) 1/2" Coax	0.63	Y

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections —			Connectors	Continuation?
						Description	Spacing (in)	Len (in)		
0.00	85.00	4	SOL #20 All Thread	80	2.08	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	No

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Segment Properties (Max Len : 3 ft)

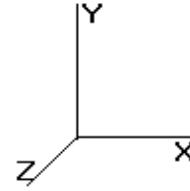
Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in3)	Weight (lb)	Additional Reinforcing		
											Area (in^2)	Ix (in^4)	Weight (lb)
0.00		0.3750	36.000	43.017	6,968.5	23.58	96.00	79.0	373.9	0.0	19.64	4,475	0.0
3.00		0.3750	35.548	42.471	6,706.4	23.26	94.79	79.4	364.5	436.3	19.64	4,381	200.4
6.00		0.3750	35.095	41.925	6,450.9	22.93	93.59	79.7	355.1	430.8	19.64	4,288	200.4
9.00		0.3750	34.643	41.378	6,202.0	22.61	92.38	80.1	345.9	425.2	19.64	4,195	200.4
12.00		0.3750	34.190	40.832	5,959.6	22.29	91.17	80.4	336.7	419.6	19.64	4,104	200.4
15.00		0.3750	33.738	40.286	5,723.6	21.96	89.97	80.8	327.7	414.0	19.64	4,014	200.4
18.00		0.3750	33.286	39.740	5,493.9	21.64	88.76	81.1	318.9	408.5	19.64	3,925	200.4
21.00		0.3750	32.833	39.193	5,270.4	21.32	87.56	81.5	310.1	402.9	19.64	3,836	200.4
24.00		0.3750	32.381	38.647	5,053.1	20.99	86.35	81.8	301.5	397.3	19.64	3,749	200.4
27.00		0.3750	31.928	38.101	4,841.9	20.67	85.14	81.9	293.0	391.7	19.64	3,663	200.4
30.00	Bot - Section 2	0.3750	31.476	37.554	4,636.6	20.35	83.94	81.9	284.6	386.2	19.64	3,578	200.4
33.00		0.3750	31.024	37.008	4,437.2	20.02	82.73	81.9	276.3	704.8	19.64	3,610	200.4
34.00		0.3750	30.873	36.826	4,372.0	19.92	82.33	81.9	273.6	232.7	19.64	3,582	66.8
34.33	Top - Section 1	0.3125	31.448	31.330	3,876.5	24.82	100.63	77.6	238.1	77.3	19.64	3,572	22.3
35.00		0.3125	31.347	31.228	3,839.1	24.73	100.31	77.7	236.6	71.0	19.64	3,554	44.5
36.00		0.3125	31.196	31.077	3,783.4	24.61	99.83	77.9	234.3	106.0	19.64	3,525	66.8
39.00		0.3125	30.744	30.621	3,619.5	24.22	98.38	78.3	227.4	314.9	19.64	3,442	200.4
42.00		0.3125	30.291	30.166	3,460.5	23.83	96.93	78.7	220.7	310.3	19.64	3,359	200.4
45.00		0.3125	29.839	29.711	3,306.2	23.44	95.48	79.1	214.1	305.6	19.64	3,278	200.4
48.00		0.3125	29.387	29.256	3,156.5	23.05	94.04	79.6	207.5	301.0	19.64	3,197	200.4
51.00		0.3125	28.934	28.801	3,011.5	22.67	92.59	80.0	201.1	296.3	19.64	3,118	200.4
54.00		0.3125	28.482	28.345	2,870.9	22.28	91.14	80.4	194.7	291.7	19.64	3,039	200.4
57.00		0.3125	28.029	27.890	2,734.8	21.89	89.69	80.8	188.5	287.0	19.64	2,961	200.4
60.00		0.3125	27.577	27.435	2,603.1	21.50	88.25	81.3	182.4	282.4	19.64	2,885	200.4
63.00		0.3125	27.125	26.980	2,475.6	21.11	86.80	81.7	176.3	277.7	19.64	2,809	200.4
66.00		0.3125	26.672	26.524	2,352.4	20.73	85.35	81.9	170.4	273.1	19.64	2,735	200.4
69.00		0.3125	26.220	26.069	2,233.4	20.34	83.90	81.9	164.6	268.4	19.64	2,661	200.4
70.00	Bot - Section 3	0.3125	26.069	25.917	2,194.6	20.21	83.42	81.9	162.6	88.4	19.64	2,637	66.8
72.00		0.3125	25.767	25.614	2,118.4	19.95	82.46	81.9	158.8	318.7	19.64	2,669	133.6
73.58	Top - Section 2	0.2500	26.029	20.752	1,760.2	25.75	104.11	76.6	130.6	249.7	19.64	2,631	105.8
75.00		0.2500	25.815	20.580	1,716.8	25.52	103.26	76.9	128.5	99.6	19.64	2,596	94.6
78.00		0.2500	25.363	20.216	1,627.3	25.04	101.45	77.4	123.9	208.2	19.64	2,525	200.4
81.00		0.2500	24.910	19.851	1,540.9	24.56	99.64	77.9	119.5	204.5	19.64	2,454	200.4
84.00		0.2500	24.458	19.487	1,457.6	24.07	97.83	78.5	115.1	200.8	19.64	2,384	200.4
85.00	Reinf. Top	0.2500	24.307	19.366	1,430.6	23.91	97.23	78.6	113.7	66.1	19.64	2,361	66.8
87.00		0.2500	24.005	19.123	1,377.4	23.59	96.02	79.0	110.8	131.0			
90.00		0.2500	23.553	18.759	1,300.2	23.10	94.21	79.5	106.6	193.4			
93.00		0.2500	23.101	18.395	1,226.0	22.62	92.40	80.0	102.5	189.6			
96.00		0.2500	22.648	18.031	1,154.6	22.13	90.59	80.6	98.5	185.9			
99.00		0.2500	22.196	17.666	1,086.0	21.65	88.78	81.1	94.5	182.2			
102.0		0.2500	21.743	17.302	1,020.2	21.16	86.97	81.6	90.6	178.5			
105.0		0.2500	21.291	16.938	957.2	20.68	85.16	81.9	86.8	174.8			
108.0		0.2500	20.839	16.574	896.7	20.19	83.35	81.9	83.1	171.0			
110.0	Top - Section 3	0.2500	20.537	16.331	857.9	19.87	82.15	81.9	80.7	112.0			
110.0	Bot - Section 4	0.1875	20.537	12.286	649.4	27.21	109.53	75.0	61.1				
111.0		0.1875	20.386	12.195	635.1	26.99	108.73	75.3	60.2	41.7			
114.0		0.1875	19.934	11.922	593.3	26.34	106.31	76.0	57.5	123.1			
117.0		0.1875	19.481	11.649	553.5	25.70	103.90	76.7	54.9	120.3			
118.0		0.1875	19.331	11.558	540.6	25.48	103.10	76.9	54.0	39.5			
120.0		0.1875	19.029	11.376	515.5	25.05	101.49	77.4	52.3	78.0			
123.0		0.1875	18.577	11.102	479.2	24.40	99.08	78.1	49.8	114.7			
126.0		0.1875	18.124	10.829	444.7	23.76	96.66	78.8	47.4	111.9			
128.0		0.1875	17.823	10.647	422.6	23.33	95.05	79.3	45.8	73.1			
129.0		0.1875	17.672	10.556	411.9	23.11	94.25	79.5	45.0	36.1			
132.0		0.1875	17.219	10.283	380.7	22.46	91.84	80.2	42.7	106.4			
135.0		0.1875	16.767	10.010	351.2	21.82	89.42	80.9	40.5	103.6			
138.0		0.1875	16.315	9.737	323.2	21.17	87.01	81.6	38.3	100.8			
141.0		0.1875	15.862	9.464	296.8	20.52	84.60	81.9	36.1	98.0			

Pole : 302473
Location : E H F R - Prestige Park, CT
Height : 150.0 (ft)
Base Dia : 36.00 (in)
Top Dia : 14.50 (in)
Shape : 12 Sides
Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1
Base Elev : 0.000 (ft)

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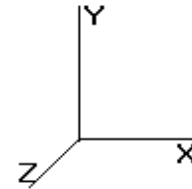


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144.0	0.1875	15.410	9.190	271.8	19.88	82.19	81.9	34.1	95.2	
147.0	0.1875	14.957	8.917	248.3	19.23	79.77	81.9	32.1	92.4	
150.0	0.1875	14.505	8.644	226.2	18.58	77.36	81.9	30.1	89.6	
									12,891.6	5,678.0

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
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Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

Shaft Segment Forces (Factored)

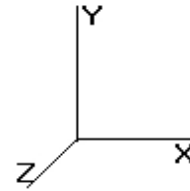
Seg Top		Ice						Wind		Dead		Tot Dead		
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Force X (lb)	Load Ice (lb)	Load (lb)
0.00		1.00	0.70	15.364	16.90	246.86	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
3.00		1.00	0.70	15.364	16.90	243.75	1.200	* 0.000	3.00	9.259	11.11	300.4	0.0	724.0
6.00		1.00	0.70	15.364	16.90	240.65	1.200	* 0.000	3.00	9.142	10.97	296.6	0.0	717.3
9.00		1.00	0.70	15.364	16.90	237.55	1.200	* 0.000	3.00	9.025	10.83	292.8	0.0	710.6
12.00		1.00	0.70	15.364	16.90	234.45	1.200	* 0.000	3.00	8.908	10.69	289.0	0.0	703.9
15.00		1.00	0.70	15.364	16.90	231.34	1.200	* 0.000	3.00	8.791	10.55	285.2	0.0	697.2
18.00		1.00	0.70	15.364	16.90	228.24	1.200	* 0.000	3.00	8.673	10.41	281.4	0.0	690.6
21.00		1.00	0.70	15.364	16.90	225.14	1.200	* 0.000	3.00	8.556	10.27	277.6	0.0	683.9
24.00		1.00	0.70	15.364	16.90	222.04	1.200	* 0.000	3.00	8.439	10.13	273.8	0.0	677.2
27.00		1.00	0.70	15.364	16.90	218.94	1.200	* 0.000	3.00	8.322	9.99	270.0	0.0	670.5
30.00	Bot - Section 2	1.00	0.70	15.377	16.91	215.92	1.200	* 0.000	3.00	8.205	9.85	266.5	0.0	663.8
33.00		1.00	0.72	15.802	17.38	215.74	1.200	* 0.000	3.00	8.250	9.90	275.3	0.0	1,046.2
34.00	Appertunance(s)	1.00	0.72	15.937	17.53	215.61	1.200	* 0.000	1.00	2.724	3.27	91.7	0.0	346.0
34.33	Top - Section 1	1.00	0.72	15.981	17.58	215.56	1.200	* 0.000	0.33	0.905	1.09	30.5	0.0	115.0
35.00	Appertunance(s)	1.00	0.73	16.070	17.67	219.83	1.200	* 0.000	0.67	1.806	2.17	61.3	0.0	129.7
36.00		1.00	0.73	16.199	17.81	219.65	1.200	* 0.000	1.00	2.698	3.24	92.3	0.0	194.0
39.00		1.00	0.75	16.574	18.23	218.96	1.200	* 0.000	3.00	8.016	9.62	280.6	0.0	578.3
42.00		1.00	0.77	16.929	18.62	218.03	1.200	* 0.000	3.00	7.899	9.48	282.4	0.0	572.7
45.00		1.00	0.78	17.266	18.99	216.90	1.200	* 0.000	3.00	7.781	9.34	283.8	0.0	567.1
48.00		1.00	0.80	17.587	19.34	215.59	1.200	* 0.000	3.00	7.664	9.20	284.7	0.0	561.6
51.00		1.00	0.81	17.894	19.68	214.12	1.200	* 0.000	3.00	7.547	9.06	285.2	0.0	556.0
54.00		1.00	0.82	18.189	20.00	212.50	1.200	* 0.000	3.00	7.430	8.92	285.4	0.0	550.4
57.00		1.00	0.84	18.472	20.31	210.75	1.200	* 0.000	3.00	7.313	8.78	285.3	0.0	544.8
60.00		1.00	0.85	18.745	20.61	208.87	1.200	* 0.000	3.00	7.196	8.64	284.9	0.0	539.3
63.00		1.00	0.86	19.008	20.90	206.88	1.200	* 0.000	3.00	7.079	8.49	284.2	0.0	533.7
66.00		1.00	0.87	19.262	21.18	204.78	1.200	* 0.000	3.00	6.962	8.35	283.2	0.0	528.1
69.00		1.00	0.88	19.509	21.45	202.59	1.200	* 0.000	3.00	6.845	8.21	282.0	0.0	522.5
70.00	Bot - Section 3	1.00	0.89	19.589	21.54	201.84	1.200	* 0.000	1.00	2.255	2.71	93.3	0.0	172.9
72.00		1.00	0.90	19.747	21.72	200.31	1.200	* 0.000	2.00	4.559	5.47	190.1	0.0	516.1
73.58	Top - Section 2	1.00	0.90	19.870	21.85	199.07	1.200	* 0.000	1.58	3.572	4.29	149.9	0.0	405.4
75.00		1.00	0.91	19.979	21.97	201.86	1.200	* 0.000	1.42	3.168	3.80	133.7	0.0	214.2
78.00		1.00	0.92	20.204	22.22	199.43	1.200	* 0.000	3.00	6.623	7.95	282.6	0.0	450.3
81.00		1.00	0.93	20.423	22.46	196.93	1.200	* 0.000	3.00	6.506	7.81	280.6	0.0	445.8
84.00		1.00	0.94	20.636	22.70	194.36	1.200	* 0.000	3.00	6.389	7.67	278.4	0.0	441.3
85.00	Reinf. Top	1.00	0.94	20.706	22.77	193.49	1.200	* 0.000	1.00	2.104	2.52	92.0	0.0	146.1
87.00		1.00	0.95	20.844	22.92	191.73	1.200	* 0.000	2.00	4.168	5.00	183.5	0.0	157.2
90.00		1.00	0.95	21.047	23.15	189.03	1.200	* 0.000	3.00	6.155	7.39	273.6	0.0	232.0
93.00		1.00	0.96	21.245	23.37	186.27	1.254	* 0.000	3.00	6.037	7.57	283.1	0.0	227.6
96.00		1.00	0.97	21.439	23.58	183.45	1.000	0.000	3.00	5.920	5.92	223.4	0.0	223.1
99.00		1.00	0.98	21.628	23.79	180.58	1.000	0.000	3.00	5.803	5.80	220.9	0.0	218.6
102.0		1.00	0.99	21.814	23.99	177.65	1.000	0.000	3.00	5.686	5.69	218.3	0.0	214.2
105.0		1.00	1.00	21.995	24.19	174.68	1.000	0.000	3.00	5.569	5.57	215.6	0.0	209.7
108.0		1.00	1.01	22.173	24.39	171.66	1.000	0.000	3.00	5.452	5.45	212.8	0.0	205.3
110.0	Top - Section 3	1.00	1.01	22.289	24.51	169.62	1.000	0.000	2.00	3.569	3.57	140.0	0.0	134.4
111.0		1.00	1.01	22.347	24.58	168.59	1.000	0.000	1.00	1.765	1.77	69.4	0.0	50.0
114.0		1.00	1.02	22.518	24.77	165.48	1.000	0.000	3.00	5.218	5.22	206.8	0.0	147.7
117.0		1.00	1.03	22.686	24.95	162.32	1.000	0.000	3.00	5.101	5.10	203.7	0.0	144.4
118.0	Appertunance(s)	1.00	1.03	22.741	25.01	161.26	1.000	0.000	1.00	1.674	1.67	67.0	0.0	47.4
120.0		1.00	1.04	22.850	25.13	159.13	1.000	0.000	2.00	3.309	3.31	133.1	0.0	93.6
123.0		1.00	1.04	23.012	25.31	155.89	1.005	* 0.000	3.00	4.867	4.89	198.1	0.0	137.7
126.0		1.00	1.05	23.171	25.48	152.62	1.013	* 0.000	3.00	4.749	4.81	196.1	0.0	134.3

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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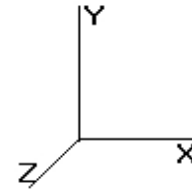
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Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

128.0	Appertunance(s)	1.00	1.06	23.276	25.60	150.42	1.019	*	0.000	2.00	3.101	3.16	129.5	0.0	87.7
129.0		1.00	1.06	23.327	25.66	149.31	1.000		0.000	1.00	1.531	1.53	62.9	0.0	43.3
132.0		1.00	1.07	23.481	25.82	145.97	1.000		0.000	3.00	4.515	4.52	186.6	0.0	127.6
135.0		1.00	1.07	23.632	25.99	142.59	1.000		0.000	3.00	4.398	4.40	182.9	0.0	124.3
138.0	Appertunance(s)	1.00	1.08	23.781	26.15	139.18	1.000		0.000	3.00	4.281	4.28	179.2	0.0	120.9
141.0		1.00	1.09	23.928	26.32	135.74	1.000		0.000	3.00	4.164	4.16	175.4	0.0	117.6
144.0		1.00	1.09	24.072	26.47	132.26	1.000		0.000	3.00	4.047	4.05	171.5	0.0	114.3
147.0		1.00	1.10	24.214	26.63	128.76	1.000		0.000	3.00	3.930	3.93	167.5	0.0	110.9
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	125.22	1.000		0.000	3.00	3.813	3.81	163.4	0.0	107.6
* = Cf Adjusted By Linear Load Ra Effect									Totals:	150.00			12,471.4	0.0	21,147.9

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

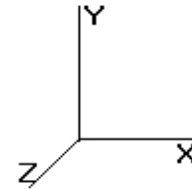
Wind Load Factor : 1.60

Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
34.00	GPS	1	16.004	17.604	1.00	1.00	1.00	0.000	0.500	28.17	0.00	14.08	12.00
34.00	Stand-off	1	15.937	17.531	1.00	1.00	2.00	0.000	0.000	56.10	0.00	0.00	60.00
35.00	PCTEL GPS-TMG-HR-	1	16.070	17.676	1.00	1.00	0.09	0.000	0.000	2.55	0.00	0.00	0.72
35.00	Stand-off	1	16.070	17.676	1.00	1.00	2.00	0.000	0.000	56.56	0.00	0.00	60.00
118.0	Argus LLPX310R	3	22.741	25.015	0.69	0.80	8.00	0.000	0.000	320.13	0.00	0.00	102.96
118.0	Clearwire Mount	1	22.741	25.015	1.00	1.00	8.50	0.000	0.000	340.20	0.00	0.00	48.00
118.0	DragonWave A-ANT-	1	22.741	25.015	1.00	1.00	1.61	0.000	0.000	64.44	0.00	0.00	18.00
118.0	DragonWave A-ANT-	2	22.741	25.015	0.90	1.00	8.44	0.000	0.000	337.88	0.00	0.00	29.52
118.0	DragonWave Horizon	3	22.741	25.015	0.50	0.80	0.52	0.000	0.000	20.65	0.00	0.00	38.16
118.0	Generic 12" x 12" Ju	1	22.741	25.015	1.00	1.00	1.40	0.000	0.000	56.03	0.00	0.00	12.00
118.0	NextNet BTS-2500	3	22.741	25.015	0.73	0.80	3.71	0.000	0.000	148.66	0.00	0.00	126.00
128.0	Flush Mounts	1	23.276	25.603	1.00	1.00	3.50	0.000	0.000	143.38	0.00	0.00	240.00
128.0	RFS APXV18-206517S-	3	23.276	25.603	0.74	0.80	9.16	0.000	0.000	375.41	0.00	0.00	95.04
138.0	Alcatel-Lucent 4X40W	6	23.781	26.159	0.50	1.00	8.13	0.000	0.000	340.28	0.00	0.00	428.40
138.0	Alcatel-Lucent 800 M	3	23.781	26.159	0.50	1.00	4.37	0.000	0.000	182.70	0.00	0.00	222.48
138.0	RFS APXV9ERR18-C-	2	23.781	26.159	0.83	0.80	10.97	0.000	0.000	459.12	0.00	0.00	148.80
138.0	RFS APXVSPP18-C-	1	23.781	26.159	0.83	0.80	5.48	0.000	0.000	229.56	0.00	0.00	68.40
138.0	RFS IBC1900BB-1	3	23.781	26.159	0.50	0.80	1.36	0.000	0.000	56.76	0.00	0.00	79.20
138.0	RFS IBC1900HG-2A	3	23.781	26.159	0.50	0.80	1.36	0.000	0.000	56.76	0.00	0.00	79.20
138.0	T-Arms	3	23.781	26.159	0.75	0.75	10.13	0.000	0.000	423.78	0.00	0.00	900.00
138.0	RFS APXVTM14-C-I20	3	23.781	26.159	0.83	0.75	12.89	0.000	0.000	539.33	0.00	0.00	190.44
138.0	Alcatel-Lucent TD-RR	3	23.781	26.159	0.50	1.00	3.18	0.000	0.000	133.10	0.00	0.00	216.00
150.0	6' Omni	1	24.355	26.790	1.00	1.00	1.77	0.000	0.000	75.87	0.00	0.00	42.00
150.0	ADC DD1900	6	24.493	26.942	0.50	0.80	3.07	0.000	3.000	132.43	0.00	397.28	87.12
150.0	CSS DUO4-8670	6	24.493	26.942	0.82	0.80	25.94	0.000	3.000	1,118.13	0.00	3,354.38	277.20
150.0	Ericsson RRUS 11	6	24.401	26.841	0.71	0.80	10.02	0.000	1.000	430.29	0.00	430.29	396.00
150.0	Kathrein 860 10025	6	24.493	26.942	1.00	1.00	1.08	0.000	3.000	46.56	0.00	139.67	8.64
150.0	KMW AM-X-CD-16-65-	3	24.493	26.942	0.75	0.80	14.87	0.000	3.000	640.92	0.00	1,922.76	174.60
150.0	Platform	1	24.355	26.790	1.00	1.00	30.00	0.000	0.000	1,285.92	0.00	0.00	2,160.00
150.0	Raycap DC6-48-60-18-	1	24.401	26.841	1.00	1.00	1.47	0.000	1.000	63.13	0.00	63.13	38.16
										8,164.79			6,359.04

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

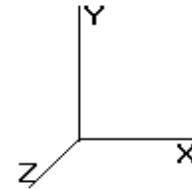
Wind Load Factor : 1.60

Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
3.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.201	0.000	22.07	0.00
3.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.201	0.000	22.07	0.00
3.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.201	0.000	16.22	0.00
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.201	0.000	0.00	0.54
6.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	15.364	0.251	0.000	10.71	11.81
6.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.251	0.000	22.07	0.00
6.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.251	0.000	22.07	0.00
6.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.251	0.000	16.22	0.00
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.251	0.000	0.00	0.54
6.00	(1) 1/2" Coax	Yes	2.00	1.200	0.63	0.10	0.13	15.364	0.251	0.000	3.41	0.36
9.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.278	0.000	16.06	17.71
9.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.278	0.000	22.07	0.00
9.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.278	0.000	22.07	0.00
9.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.278	0.000	16.22	0.00
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.278	0.000	0.00	0.54
9.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.278	0.000	5.11	0.54
12.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.282	0.000	16.06	17.71
12.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.282	0.000	22.07	0.00
12.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.282	0.000	22.07	0.00
12.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.282	0.000	16.22	0.00
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.282	0.000	0.00	0.54
12.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.282	0.000	5.11	0.54
15.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.286	0.000	16.06	17.71
15.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.286	0.000	22.07	0.00
15.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.286	0.000	22.07	0.00
15.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.286	0.000	16.22	0.00
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.286	0.000	0.00	0.54
15.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.286	0.000	5.11	0.54
18.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.290	0.000	16.06	17.71
18.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.290	0.000	22.07	0.00
18.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.290	0.000	22.07	0.00
18.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.290	0.000	16.22	0.00
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.290	0.000	0.00	0.54
18.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.290	0.000	5.11	0.54
21.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.294	0.000	16.06	17.71
21.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.294	0.000	22.07	0.00
21.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.294	0.000	22.07	0.00
21.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.294	0.000	16.22	0.00
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.294	0.000	0.00	0.54
21.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.294	0.000	5.11	0.54
24.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.298	0.000	16.06	17.71
24.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.298	0.000	22.07	0.00
24.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.298	0.000	22.07	0.00
24.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.298	0.000	16.22	0.00
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.298	0.000	0.00	0.54
24.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.298	0.000	5.11	0.54
27.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.302	0.000	16.06	17.71
27.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.302	0.000	22.07	0.00
27.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.302	0.000	22.07	0.00
27.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.302	0.000	16.22	0.00
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.302	0.000	0.00	0.54

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

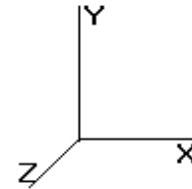
Dead Load Factor : 1.20

Wind Load Factor : 1.60

27.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.302	0.000	5.11	0.54
30.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.49	0.59	15.377	0.306	0.000	16.08	17.71
30.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.377	0.306	0.000	22.08	0.00
30.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.377	0.306	0.000	22.08	0.00
30.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.377	0.306	0.000	16.24	0.00
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.377	0.306	0.000	0.00	0.54
30.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.377	0.306	0.000	5.11	0.54
33.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.802	0.311	0.000	16.52	17.71
33.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.802	0.311	0.000	22.69	0.00
33.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.802	0.311	0.000	22.69	0.00
33.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.802	0.311	0.000	16.69	0.00
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.802	0.311	0.000	0.00	0.54
33.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.802	0.311	0.000	5.26	0.54
34.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.937	0.314	0.000	5.55	5.90
34.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	15.937	0.314	0.000	7.63	0.00
34.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	15.937	0.314	0.000	7.63	0.00
34.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	15.937	0.314	0.000	5.61	0.00
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.937	0.314	0.000	0.00	0.18
34.00	(1) 1/2" Coax	Yes	1.00	1.200	0.63	0.05	0.06	15.937	0.314	0.000	1.77	0.18
34.33	(6) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	15.981	0.295	0.000	1.86	1.97
34.33	(2) #20 Dywidag Bars	Yes	0.33	1.200	2.72	0.08	0.09	15.981	0.295	0.000	2.55	0.00
34.33	(2) #20 Dywidag Bars	Yes	0.33	1.200	2.72	0.08	0.09	15.981	0.295	0.000	2.55	0.00
34.33	(0) Angle Brackets	Yes	0.33	1.200	2.00	0.06	0.07	15.981	0.295	0.000	1.87	0.00
34.33	(1) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	15.981	0.295	0.000	0.00	0.06
35.00	(6) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	16.070	0.290	0.000	3.73	3.94
35.00	(2) #20 Dywidag Bars	Yes	0.67	1.200	2.72	0.15	0.18	16.070	0.290	0.000	5.13	0.00
35.00	(2) #20 Dywidag Bars	Yes	0.67	1.200	2.72	0.15	0.18	16.070	0.290	0.000	5.13	0.00
35.00	(0) Angle Brackets	Yes	0.67	1.200	2.00	0.11	0.13	16.070	0.290	0.000	3.77	0.00
35.00	(1) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.070	0.290	0.000	0.00	0.12
36.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.199	0.291	0.000	5.65	5.90
36.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	16.199	0.291	0.000	7.75	0.00
36.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	16.199	0.291	0.000	7.75	0.00
36.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	16.199	0.291	0.000	5.70	0.00
39.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	16.574	0.294	0.000	17.33	17.71
39.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	16.574	0.294	0.000	23.80	0.00
39.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	16.574	0.294	0.000	23.80	0.00
39.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	16.574	0.294	0.000	17.50	0.00
42.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	16.929	0.298	0.000	17.70	17.71
42.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	16.929	0.298	0.000	24.31	0.00
42.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	16.929	0.298	0.000	24.31	0.00
42.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	16.929	0.298	0.000	17.88	0.00
45.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	17.266	0.303	0.000	18.05	17.71
45.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.266	0.303	0.000	24.80	0.00
45.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.266	0.303	0.000	24.80	0.00
45.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	17.266	0.303	0.000	18.23	0.00
48.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	17.587	0.307	0.000	18.39	17.71
48.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.587	0.307	0.000	25.26	0.00
48.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.587	0.307	0.000	25.26	0.00
48.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	17.587	0.307	0.000	18.57	0.00
51.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	17.894	0.312	0.000	18.71	17.71
51.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.894	0.312	0.000	25.70	0.00
51.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.894	0.312	0.000	25.70	0.00
51.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	17.894	0.312	0.000	18.90	0.00
54.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	18.189	0.317	0.000	19.02	17.71
54.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.189	0.317	0.000	26.12	0.00
54.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.189	0.317	0.000	26.12	0.00
54.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	18.189	0.317	0.000	19.21	0.00

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

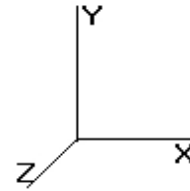
Wind Load Factor : 1.60

57.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	18.472	0.322	0.000	19.31	17.71
57.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.472	0.322	0.000	26.53	0.00
57.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.472	0.322	0.000	26.53	0.00
57.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	18.472	0.322	0.000	19.51	0.00
60.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	18.745	0.327	0.000	19.60	17.71
60.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.745	0.327	0.000	26.92	0.00
60.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.745	0.327	0.000	26.92	0.00
60.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	18.745	0.327	0.000	19.79	0.00
63.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	19.008	0.333	0.000	19.87	17.71
63.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.008	0.333	0.000	27.30	0.00
63.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.008	0.333	0.000	27.30	0.00
63.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	19.008	0.333	0.000	20.07	0.00
66.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	19.262	0.338	0.000	20.14	17.71
66.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.262	0.338	0.000	27.66	0.00
66.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.262	0.338	0.000	27.66	0.00
66.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	19.262	0.338	0.000	20.34	0.00
69.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	19.509	0.344	0.000	20.40	17.71
69.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.509	0.344	0.000	28.02	0.00
69.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.509	0.344	0.000	28.02	0.00
69.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	19.509	0.344	0.000	20.60	0.00
70.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	19.589	0.348	0.000	6.83	5.90
70.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	19.589	0.348	0.000	9.38	0.00
70.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	19.589	0.348	0.000	9.38	0.00
70.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	19.589	0.348	0.000	6.89	0.00
72.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	19.747	0.351	0.000	13.76	11.81
72.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	19.747	0.351	0.000	18.91	0.00
72.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	19.747	0.351	0.000	18.91	0.00
72.00	(0) Angle Brackets	Yes	2.00	1.200	2.00	0.33	0.40	19.747	0.351	0.000	13.90	0.00
73.58	(6) 1 5/8" Coax	Yes	1.58	1.200	1.98	0.26	0.31	19.870	0.355	0.000	10.96	9.35
73.58	(2) #20 Dywidag Bars	Yes	1.58	1.200	2.72	0.36	0.43	19.870	0.355	0.000	15.06	0.00
73.58	(2) #20 Dywidag Bars	Yes	1.58	1.200	2.72	0.36	0.43	19.870	0.355	0.000	15.06	0.00
73.58	(0) Angle Brackets	Yes	1.58	1.200	2.00	0.26	0.32	19.870	0.355	0.000	11.07	0.00
75.00	(6) 1 5/8" Coax	Yes	1.42	1.200	1.98	0.23	0.28	19.979	0.351	0.000	9.86	8.36
75.00	(2) #20 Dywidag Bars	Yes	1.42	1.200	2.72	0.32	0.39	19.979	0.351	0.000	13.55	0.00
75.00	(2) #20 Dywidag Bars	Yes	1.42	1.200	2.72	0.32	0.39	19.979	0.351	0.000	13.55	0.00
75.00	(0) Angle Brackets	Yes	1.42	1.200	2.00	0.24	0.28	19.979	0.351	0.000	9.96	0.00
78.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	20.204	0.356	0.000	21.12	17.71
78.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.204	0.356	0.000	29.02	0.00
78.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.204	0.356	0.000	29.02	0.00
78.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	20.204	0.356	0.000	21.34	0.00
81.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	20.423	0.362	0.000	21.35	17.71
81.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.423	0.362	0.000	29.33	0.00
81.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.423	0.362	0.000	29.33	0.00
81.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	20.423	0.362	0.000	21.57	0.00
84.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	20.636	0.369	0.000	21.57	17.71
84.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.636	0.369	0.000	29.64	0.00
84.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.636	0.369	0.000	29.64	0.00
84.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	20.636	0.369	0.000	21.79	0.00
85.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.706	0.373	0.000	7.22	5.90
85.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	20.706	0.373	0.000	9.91	0.00
85.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	20.706	0.373	0.000	9.91	0.00
85.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	20.706	0.373	0.000	7.29	0.00
87.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	20.844	0.377	0.000	14.53	11.81
87.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	20.844	0.377	0.000	19.96	0.00
87.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	20.844	0.377	0.000	19.96	0.00
87.00	(0) Angle Brackets	Yes	2.00	1.200	2.00	0.33	0.40	20.844	0.377	0.000	14.67	0.00
90.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	21.047	0.383	0.000	22.00	17.71

Pole : 302473
 Location : EHFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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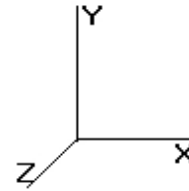
Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

90.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	21.047	0.383	0.000	30.23	0.00
90.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	21.047	0.383	0.000	30.23	0.00
90.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	21.047	0.383	0.000	22.23	0.00
93.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.245	0.185	1.254	0.00	17.71
93.00	(2) #20 Dywidag Bars	Yes	1.00	0.000	2.72	0.23	0.00	21.245	0.185	1.254	0.00	0.00
93.00	(2) #20 Dywidag Bars	Yes	1.00	0.000	2.72	0.23	0.00	21.245	0.185	1.254	0.00	0.00
93.00	(0) Angle Brackets	Yes	1.00	0.000	2.00	0.17	0.00	21.245	0.185	1.254	0.00	0.00
96.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.439	0.084	0.000	0.00	17.71
99.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.628	0.085	0.000	0.00	17.71
102.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.814	0.087	0.000	0.00	17.71
105.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.995	0.089	0.000	0.00	17.71
108.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.173	0.091	0.000	0.00	17.71
110.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.289	0.092	0.000	0.00	11.81
111.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.347	0.093	0.000	0.00	5.90
114.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.518	0.095	0.000	0.00	17.71
117.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.686	0.097	0.000	0.00	17.71
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.741	0.099	0.000	0.00	5.90
120.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.850	0.100	0.000	0.00	11.81
123.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.012	0.102	1.005	0.00	17.71
126.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.171	0.104	1.013	0.00	17.71
128.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	23.276	0.106	1.019	0.00	11.81
Totals:											2,654.44	743.71

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

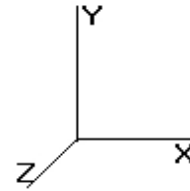
Applied Segment Forces Summary

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
3.00	360.80	757.35	0.00	0.00
6.00	371.12	773.31	0.00	0.00
9.00	374.37	777.95	0.00	0.00
12.00	370.57	771.25	0.00	0.00
15.00	366.77	764.56	0.00	0.00
18.00	362.98	757.87	0.00	0.00
21.00	359.18	751.18	0.00	0.00
24.00	355.38	744.49	0.00	0.00
27.00	351.58	737.80	0.00	0.00
30.00	348.07	731.10	0.00	0.00
33.00	359.18	1,113.48	0.00	0.00
34.00	204.14	440.43	0.00	14.08
34.33	39.38	122.44	0.00	0.00
35.00	138.16	205.25	0.00	0.00
36.00	119.16	216.08	0.00	0.00
39.00	363.02	644.54	0.00	0.00
42.00	366.60	638.96	0.00	0.00
45.00	369.63	633.38	0.00	0.00
48.00	372.16	627.81	0.00	0.00
51.00	374.24	622.23	0.00	0.00
54.00	375.90	616.65	0.00	0.00
57.00	377.18	611.08	0.00	0.00
60.00	378.12	605.50	0.00	0.00
63.00	378.72	599.92	0.00	0.00
66.00	379.03	594.35	0.00	0.00
69.00	379.05	588.77	0.00	0.00
70.00	125.78	195.00	0.00	0.00
72.00	255.60	560.23	0.00	0.00
73.58	202.05	440.32	0.00	0.00
75.00	180.62	245.47	0.00	0.00
78.00	383.09	516.51	0.00	0.00
81.00	382.20	512.05	0.00	0.00
84.00	381.09	507.59	0.00	0.00
85.00	126.32	168.20	0.00	0.00
87.00	252.61	201.32	0.00	0.00
90.00	378.26	298.26	0.00	0.00
93.00	283.10	293.80	0.00	0.00
96.00	223.39	289.34	0.00	0.00
99.00	220.90	284.88	0.00	0.00
102.0	218.30	280.42	0.00	0.00
105.0	215.58	275.96	0.00	0.00
108.0	212.76	271.50	0.00	0.00
110.0	140.03	178.51	0.00	0.00
111.0	69.43	72.07	0.00	0.00
114.0	206.79	213.95	0.00	0.00
117.0	203.65	210.61	0.00	0.00
118.0	1,355.01	444.10	0.00	0.00
120.0	133.09	127.31	0.00	0.00
123.0	198.11	188.18	0.00	0.00

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
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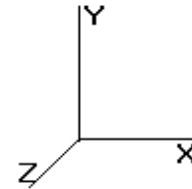
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Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

126.0	196.14	184.84	0.00	0.00
128.0	648.27	456.40	0.00	0.00
129.0	62.86	54.22	0.00	0.00
132.0	186.60	160.43	0.00	0.00
135.0	182.93	157.09	0.00	0.00
138.0	2,600.57	2,486.66	0.00	0.00
141.0	175.36	139.60	0.00	0.00
144.0	171.46	136.25	0.00	0.00
147.0	167.48	132.91	0.00	0.00
150.0	3,956.67	3,313.28	0.00	6,307.51
Totals:	23,290.60	30,444.99	0.00	6,321.59

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
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 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.2D + 1.6W

95.00 mph with No Ice

30 Iterations

Gust Response Factor : 1.10
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

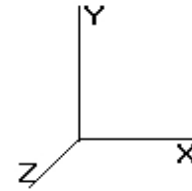
Wind Importance Factor : 1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-30.41	-23.33	0.00	-2,247.65	0.00	2,247.65	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.625
3.00	-29.59	-23.06	0.00	-2,177.65	0.00	2,177.65	3,033.07	1,516.54	4,391.91	2,169.00	0.05	-0.17	0.614
6.00	-28.75	-22.77	0.00	-2,108.48	0.00	2,108.48	3,007.36	1,503.68	4,298.09	2,122.66	0.21	-0.33	0.603
9.00	-27.91	-22.47	0.00	-2,040.18	0.00	2,040.18	2,981.31	1,490.65	4,204.74	2,076.56	0.47	-0.49	0.593
12.00	-27.08	-22.17	0.00	-1,972.78	0.00	1,972.78	2,954.90	1,477.45	4,111.88	2,030.70	0.84	-0.66	0.582
15.00	-26.26	-21.87	0.00	-1,906.28	0.00	1,906.28	2,928.15	1,464.08	4,019.55	1,985.10	1.30	-0.82	0.571
18.00	-25.44	-21.56	0.00	-1,840.68	0.00	1,840.68	2,901.06	1,450.53	3,927.75	1,939.77	1.87	-0.99	0.560
21.00	-24.64	-21.26	0.00	-1,776.00	0.00	1,776.00	2,873.62	1,436.81	3,836.52	1,894.71	2.55	-1.15	0.548
24.00	-23.84	-20.96	0.00	-1,712.21	0.00	1,712.21	2,845.83	1,422.91	3,745.85	1,849.94	3.33	-1.32	0.537
27.00	-23.05	-20.65	0.00	-1,649.34	0.00	1,649.34	2,808.40	1,404.20	3,643.74	1,799.51	4.20	-1.48	0.527
30.00	-22.28	-20.35	0.00	-1,587.39	0.00	1,587.39	2,768.14	1,384.07	3,539.40	1,747.98	5.19	-1.64	0.518
33.00	-21.14	-20.00	0.00	-1,526.34	0.00	1,526.34	2,727.87	1,363.94	3,436.57	1,697.20	6.27	-1.80	0.501
34.00	-20.69	-19.79	0.00	-1,506.33	0.00	1,506.33	2,714.45	1,357.23	3,402.64	1,680.43	6.65	-1.86	0.498
34.33	-20.56	-19.76	0.00	-1,499.73	0.00	1,499.73	2,189.30	1,094.65	2,807.96	1,386.75	6.78	-1.87	0.569
35.00	-20.34	-19.63	0.00	-1,486.56	0.00	1,486.56	2,184.88	1,092.44	2,793.14	1,379.43	7.05	-1.91	0.566
36.00	-20.09	-19.54	0.00	-1,466.93	0.00	1,466.93	2,178.20	1,089.10	2,770.95	1,368.47	7.45	-1.97	0.561
39.00	-19.41	-19.21	0.00	-1,408.31	0.00	1,408.31	2,157.96	1,078.98	2,704.57	1,335.69	8.74	-2.13	0.546
42.00	-18.73	-18.88	0.00	-1,350.67	0.00	1,350.67	2,137.36	1,068.68	2,638.53	1,303.07	10.14	-2.30	0.532
45.00	-18.06	-18.53	0.00	-1,294.05	0.00	1,294.05	2,116.42	1,058.21	2,572.85	1,270.63	11.64	-2.47	0.517
48.00	-17.39	-18.18	0.00	-1,238.45	0.00	1,238.45	2,095.13	1,047.57	2,507.54	1,238.38	13.24	-2.63	0.502
51.00	-16.74	-17.83	0.00	-1,183.91	0.00	1,183.91	2,073.50	1,036.75	2,442.62	1,206.32	14.95	-2.79	0.487
54.00	-16.09	-17.46	0.00	-1,130.43	0.00	1,130.43	2,051.52	1,025.76	2,378.11	1,174.46	16.75	-2.95	0.472
57.00	-15.46	-17.10	0.00	-1,078.04	0.00	1,078.04	2,029.19	1,014.59	2,314.04	1,142.82	18.66	-3.11	0.458
60.00	-14.83	-16.73	0.00	-1,026.74	0.00	1,026.74	2,006.52	1,003.26	2,250.42	1,111.40	20.67	-3.27	0.443
63.00	-14.21	-16.35	0.00	-976.56	0.00	976.56	1,983.49	991.75	2,187.27	1,080.21	22.78	-3.43	0.428
66.00	-13.59	-15.97	0.00	-927.50	0.00	927.50	1,955.12	977.56	2,119.18	1,046.58	24.98	-3.58	0.414
69.00	-13.00	-15.58	0.00	-879.57	0.00	879.57	1,921.56	960.78	2,046.64	1,010.76	27.28	-3.73	0.401
70.00	-12.80	-15.46	0.00	-863.99	0.00	863.99	1,910.38	955.19	2,022.75	998.96	28.06	-3.78	0.397
72.00	-12.23	-15.19	0.00	-833.07	0.00	833.07	1,888.01	944.00	1,975.37	975.56	29.67	-3.88	0.382
73.58	-11.79	-14.97	0.00	-809.03	0.00	809.03	1,431.12	715.56	1,520.26	750.80	30.97	-3.96	0.437
75.00	-11.53	-14.80	0.00	-787.82	0.00	787.82	1,423.89	711.94	1,499.92	740.75	32.15	-4.03	0.428
78.00	-11.00	-14.40	0.00	-743.43	0.00	743.43	1,408.31	704.16	1,457.00	719.56	34.73	-4.18	0.409
81.00	-10.48	-14.01	0.00	-700.22	0.00	700.22	1,392.39	696.19	1,414.32	698.48	37.41	-4.33	0.391
84.00	-9.98	-13.61	0.00	-658.18	0.00	658.18	1,376.12	688.06	1,371.90	677.53	40.17	-4.47	0.373
85.00	-9.81	-13.48	0.00	-644.57	0.00	644.57	1,370.62	685.31	1,357.82	670.57	41.11	-4.52	0.367
85.00	-9.81	-13.48	0.00	-644.57	0.00	644.57	1,370.62	685.31	1,357.82	670.57	41.11	-4.52	0.969
87.00	-9.57	-13.26	0.00	-617.60	0.00	617.60	1,359.50	679.75	1,329.75	656.71	43.03	-4.62	0.948
90.00	-9.23	-12.91	0.00	-577.84	0.00	577.84	1,342.54	671.27	1,287.89	636.04	46.04	-4.99	0.916
93.00	-8.88	-12.66	0.00	-539.10	0.00	539.10	1,325.23	662.62	1,246.34	615.52	49.29	-5.35	0.883
96.00	-8.53	-12.46	0.00	-501.12	0.00	501.12	1,307.58	653.79	1,205.13	595.17	52.77	-5.72	0.849
99.00	-8.20	-12.27	0.00	-463.73	0.00	463.73	1,289.58	644.79	1,164.26	574.99	56.47	-6.07	0.813
102.00	-7.87	-12.07	0.00	-426.93	0.00	426.93	1,271.23	635.61	1,123.77	554.99	60.39	-6.42	0.776
105.00	-7.55	-11.87	0.00	-390.73	0.00	390.73	1,248.50	624.25	1,080.18	533.46	64.53	-6.77	0.739
108.00	-7.25	-11.66	0.00	-355.13	0.00	355.13	1,221.66	610.83	1,033.97	510.64	68.87	-7.10	0.702
110.00	-7.06	-11.51	0.00	-331.82	0.00	331.82	1,203.76	601.88	1,003.72	495.70	71.89	-7.32	0.676
110.00	-7.06	-11.51	0.00	-331.82	0.00	331.82	829.79	414.89	696.16	343.81	71.89	-7.32	0.974
111.00	-6.94	-11.47	0.00	-320.31	0.00	320.31	826.22	413.11	687.98	339.77	73.43	-7.42	0.952
114.00	-6.68	-11.28	0.00	-285.90	0.00	285.90	815.28	407.64	663.53	327.69	78.21	-7.83	0.881
117.00	-6.45	-11.08	0.00	-252.06	0.00	252.06	803.99	402.00	639.21	315.68	83.24	-8.22	0.807
118.00	-6.18	-9.69	0.00	-240.98	0.00	240.98	800.15	400.08	631.14	311.70	84.97	-8.34	0.781
120.00	-6.02	-9.58	0.00	-221.59	0.00	221.59	792.36	396.18	615.05	303.75	88.50	-8.59	0.738

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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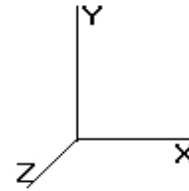
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Load Case: 1.2D + 1.6W 95.00 mph with No Ice 30 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

123.00	-5.81	-9.38	0.00	-192.86	0.00	192.86	780.38	390.19	591.06	291.90	93.99	-8.93	0.669
126.00	-5.62	-9.19	0.00	-164.71	0.00	164.71	768.05	384.03	567.27	280.15	99.68	-9.25	0.596
128.00	-5.25	-8.49	0.00	-146.33	0.00	146.33	759.64	379.82	551.53	272.38	103.59	-9.45	0.545
129.00	-5.18	-8.43	0.00	-137.85	0.00	137.85	755.38	377.69	543.69	268.51	105.57	-9.54	0.521
132.00	-5.02	-8.24	0.00	-112.55	0.00	112.55	742.36	371.18	520.35	256.98	111.62	-9.80	0.445
135.00	-4.87	-8.05	0.00	-87.82	0.00	87.82	728.99	364.50	497.26	245.58	117.82	-10.03	0.365
138.00	-2.86	-5.06	0.00	-63.66	0.00	63.66	715.28	357.64	474.45	234.31	124.15	-10.21	0.276
141.00	-2.75	-4.87	0.00	-48.47	0.00	48.47	697.56	348.78	449.56	222.02	130.59	-10.36	0.222
144.00	-2.63	-4.68	0.00	-33.85	0.00	33.85	677.43	338.71	423.84	209.32	137.10	-10.48	0.166
147.00	-2.53	-4.50	0.00	-19.80	0.00	19.80	657.30	328.65	398.87	196.99	143.68	-10.56	0.105
150.00	0.00	-3.96	0.00	-6.31	0.00	6.31	637.16	318.58	374.66	185.03	150.29	-10.61	0.034

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



Load Case: 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

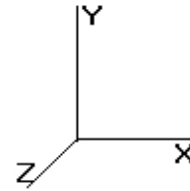
Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	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		1.00	0.70	15.364	16.90	246.86	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
3.00		1.00	0.70	15.364	16.90	243.75	1.200	* 0.000	3.00	9.259	11.11	300.4	0.0	593.1
6.00		1.00	0.70	15.364	16.90	240.65	1.200	* 0.000	3.00	9.142	10.97	296.6	0.0	588.1
9.00		1.00	0.70	15.364	16.90	237.55	1.200	* 0.000	3.00	9.025	10.83	292.8	0.0	583.1
12.00		1.00	0.70	15.364	16.90	234.45	1.200	* 0.000	3.00	8.908	10.69	289.0	0.0	578.1
15.00		1.00	0.70	15.364	16.90	231.34	1.200	* 0.000	3.00	8.791	10.55	285.2	0.0	573.0
18.00		1.00	0.70	15.364	16.90	228.24	1.200	* 0.000	3.00	8.673	10.41	281.4	0.0	568.0
21.00		1.00	0.70	15.364	16.90	225.14	1.200	* 0.000	3.00	8.556	10.27	277.6	0.0	563.0
24.00		1.00	0.70	15.364	16.90	222.04	1.200	* 0.000	3.00	8.439	10.13	273.8	0.0	558.0
27.00		1.00	0.70	15.364	16.90	218.94	1.200	* 0.000	3.00	8.322	9.99	270.0	0.0	553.0
30.00	Bot - Section 2	1.00	0.70	15.377	16.91	215.92	1.200	* 0.000	3.00	8.205	9.85	266.5	0.0	547.9
33.00		1.00	0.72	15.802	17.38	215.74	1.200	* 0.000	3.00	8.250	9.90	275.3	0.0	834.7
34.00	Appertunance(s)	1.00	0.72	15.937	17.53	215.61	1.200	* 0.000	1.00	2.724	3.27	91.7	0.0	276.2
34.33	Top - Section 1	1.00	0.72	15.981	17.58	215.56	1.200	* 0.000	0.33	0.905	1.09	30.5	0.0	91.8
35.00	Appertunance(s)	1.00	0.73	16.070	17.67	219.83	1.200	* 0.000	0.67	1.806	2.17	61.3	0.0	108.4
36.00		1.00	0.73	16.199	17.81	219.65	1.200	* 0.000	1.00	2.698	3.24	92.3	0.0	162.2
39.00		1.00	0.75	16.574	18.23	218.96	1.200	* 0.000	3.00	8.016	9.62	280.6	0.0	483.8
42.00		1.00	0.77	16.929	18.62	218.03	1.200	* 0.000	3.00	7.899	9.48	282.4	0.0	479.6
45.00		1.00	0.78	17.266	18.99	216.90	1.200	* 0.000	3.00	7.781	9.34	283.8	0.0	475.5
48.00		1.00	0.80	17.587	19.34	215.59	1.200	* 0.000	3.00	7.664	9.20	284.7	0.0	471.3
51.00		1.00	0.81	17.894	19.68	214.12	1.200	* 0.000	3.00	7.547	9.06	285.2	0.0	467.1
54.00		1.00	0.82	18.189	20.00	212.50	1.200	* 0.000	3.00	7.430	8.92	285.4	0.0	462.9
57.00		1.00	0.84	18.472	20.31	210.75	1.200	* 0.000	3.00	7.313	8.78	285.3	0.0	458.7
60.00		1.00	0.85	18.745	20.61	208.87	1.200	* 0.000	3.00	7.196	8.64	284.9	0.0	454.5
63.00		1.00	0.86	19.008	20.90	206.88	1.200	* 0.000	3.00	7.079	8.49	284.2	0.0	450.4
66.00		1.00	0.87	19.262	21.18	204.78	1.200	* 0.000	3.00	6.962	8.35	283.2	0.0	446.2
69.00		1.00	0.88	19.509	21.45	202.59	1.200	* 0.000	3.00	6.845	8.21	282.0	0.0	442.0
70.00	Bot - Section 3	1.00	0.89	19.589	21.54	201.84	1.200	* 0.000	1.00	2.255	2.71	93.3	0.0	146.4
72.00		1.00	0.90	19.747	21.72	200.31	1.200	* 0.000	2.00	4.559	5.47	190.1	0.0	420.5
73.58	Top - Section 2	1.00	0.90	19.870	21.85	199.07	1.200	* 0.000	1.58	3.572	4.29	149.9	0.0	330.5
75.00		1.00	0.91	19.979	21.97	201.86	1.200	* 0.000	1.42	3.168	3.80	133.7	0.0	184.3
78.00		1.00	0.92	20.204	22.22	199.43	1.200	* 0.000	3.00	6.623	7.95	282.6	0.0	387.8
81.00		1.00	0.93	20.423	22.46	196.93	1.200	* 0.000	3.00	6.506	7.81	280.6	0.0	384.5
84.00		1.00	0.94	20.636	22.70	194.36	1.200	* 0.000	3.00	6.389	7.67	278.4	0.0	381.1
85.00	Reinf. Top	1.00	0.94	20.706	22.77	193.49	1.200	* 0.000	1.00	2.104	2.52	92.0	0.0	126.3
87.00		1.00	0.95	20.844	22.92	191.73	1.200	* 0.000	2.00	4.168	5.00	183.5	0.0	117.9
90.00		1.00	0.95	21.047	23.15	189.03	1.200	* 0.000	3.00	6.155	7.39	273.6	0.0	174.0
93.00		1.00	0.96	21.245	23.37	186.27	1.000	* 0.000	3.00	6.037	6.04	225.8	0.0	170.7
96.00		1.00	0.97	21.439	23.58	183.45	1.000	0.000	3.00	5.920	5.92	223.4	0.0	167.3
99.00		1.00	0.98	21.628	23.79	180.58	1.000	0.000	3.00	5.803	5.80	220.9	0.0	164.0
102.0		1.00	0.99	21.814	23.99	177.65	1.000	0.000	3.00	5.686	5.69	218.3	0.0	160.6
105.0		1.00	1.00	21.995	24.19	174.68	1.000	0.000	3.00	5.569	5.57	215.6	0.0	157.3
108.0		1.00	1.01	22.173	24.39	171.66	1.000	0.000	3.00	5.452	5.45	212.8	0.0	153.9
110.0	Top - Section 3	1.00	1.01	22.289	24.51	169.62	1.000	0.000	2.00	3.569	3.57	140.0	0.0	100.8
111.0		1.00	1.01	22.347	24.58	168.59	1.000	0.000	1.00	1.765	1.77	69.4	0.0	37.5
114.0		1.00	1.02	22.518	24.77	165.48	1.000	0.000	3.00	5.218	5.22	206.8	0.0	110.8
117.0		1.00	1.03	22.686	24.95	162.32	1.000	0.000	3.00	5.101	5.10	203.7	0.0	108.3
118.0	Appertunance(s)	1.00	1.03	22.741	25.01	161.26	1.000	0.000	1.00	1.674	1.67	67.0	0.0	35.5
120.0		1.00	1.04	22.850	25.13	159.13	1.000	0.000	2.00	3.309	3.31	133.1	0.0	70.2
123.0		1.00	1.04	23.012	25.31	155.89	1.000	* 0.000	3.00	4.867	4.87	197.1	0.0	103.3
126.0		1.00	1.05	23.171	25.48	152.62	1.000	* 0.000	3.00	4.749	4.75	193.7	0.0	100.7

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev: 0.000 (ft)

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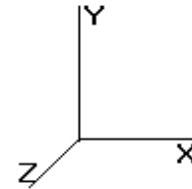
Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 30 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

128.0	Appertunance(s)	1.00	1.06	23.276	25.60	150.42	1.000	*	0.000	2.00	3.101	3.10	127.0	0.0	65.8
129.0		1.00	1.06	23.327	25.66	149.31	1.000		0.000	1.00	1.531	1.53	62.9	0.0	32.5
132.0		1.00	1.07	23.481	25.82	145.97	1.000		0.000	3.00	4.515	4.52	186.6	0.0	95.7
135.0		1.00	1.07	23.632	25.99	142.59	1.000		0.000	3.00	4.398	4.40	182.9	0.0	93.2
138.0	Appertunance(s)	1.00	1.08	23.781	26.15	139.18	1.000		0.000	3.00	4.281	4.28	179.2	0.0	90.7
141.0		1.00	1.09	23.928	26.32	135.74	1.000		0.000	3.00	4.164	4.16	175.4	0.0	88.2
144.0		1.00	1.09	24.072	26.47	132.26	1.000		0.000	3.00	4.047	4.05	171.5	0.0	85.7
147.0		1.00	1.10	24.214	26.63	128.76	1.000		0.000	3.00	3.930	3.93	167.5	0.0	83.2
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	125.22	1.000		0.000	3.00	3.813	3.81	163.4	0.0	80.7
									Totals:		150.00		12,408.1	0.0	17,280.4

* = Cf Adjusted By Linear Load Ra Effect

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 30 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

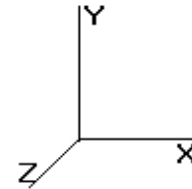
Wind Load Factor : 1.60

Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
34.00	GPS	1	16.004	17.604	1.00	1.00	1.00	0.000	0.500	28.17	0.00	14.08	9.00
34.00	Stand-off	1	15.937	17.531	1.00	1.00	2.00	0.000	0.000	56.10	0.00	0.00	45.00
35.00	PCTEL GPS-TMG-HR-	1	16.070	17.676	1.00	1.00	0.09	0.000	0.000	2.55	0.00	0.00	0.54
35.00	Stand-off	1	16.070	17.676	1.00	1.00	2.00	0.000	0.000	56.56	0.00	0.00	45.00
118.0	Argus LLPX310R	3	22.741	25.015	0.69	0.80	8.00	0.000	0.000	320.13	0.00	0.00	77.22
118.0	Clearwire Mount	1	22.741	25.015	1.00	1.00	8.50	0.000	0.000	340.20	0.00	0.00	36.00
118.0	DragonWave A-ANT-	1	22.741	25.015	1.00	1.00	1.61	0.000	0.000	64.44	0.00	0.00	13.50
118.0	DragonWave A-ANT-	2	22.741	25.015	0.90	1.00	8.44	0.000	0.000	337.88	0.00	0.00	22.14
118.0	DragonWave Horizon	3	22.741	25.015	0.50	0.80	0.52	0.000	0.000	20.65	0.00	0.00	28.62
118.0	Generic 12" x 12" Ju	1	22.741	25.015	1.00	1.00	1.40	0.000	0.000	56.03	0.00	0.00	9.00
118.0	NextNet BTS-2500	3	22.741	25.015	0.73	0.80	3.71	0.000	0.000	148.66	0.00	0.00	94.50
128.0	Flush Mounts	1	23.276	25.603	1.00	1.00	3.50	0.000	0.000	143.38	0.00	0.00	180.00
128.0	RFS APXV18-206517S-	3	23.276	25.603	0.74	0.80	9.16	0.000	0.000	375.41	0.00	0.00	71.28
138.0	Alcatel-Lucent 4X40W	6	23.781	26.159	0.50	1.00	8.13	0.000	0.000	340.28	0.00	0.00	321.30
138.0	Alcatel-Lucent 800 M	3	23.781	26.159	0.50	1.00	4.37	0.000	0.000	182.70	0.00	0.00	166.86
138.0	RFS APXV9ERR18-C-	2	23.781	26.159	0.83	0.80	10.97	0.000	0.000	459.12	0.00	0.00	111.60
138.0	RFS APXVSPP18-C-	1	23.781	26.159	0.83	0.80	5.48	0.000	0.000	229.56	0.00	0.00	51.30
138.0	RFS IBC1900BB-1	3	23.781	26.159	0.50	0.80	1.36	0.000	0.000	56.76	0.00	0.00	59.40
138.0	RFS IBC1900HG-2A	3	23.781	26.159	0.50	0.80	1.36	0.000	0.000	56.76	0.00	0.00	59.40
138.0	T-Arms	3	23.781	26.159	0.75	0.75	10.13	0.000	0.000	423.78	0.00	0.00	675.00
138.0	RFS APXVTM14-C-I20	3	23.781	26.159	0.83	0.75	12.89	0.000	0.000	539.33	0.00	0.00	142.83
138.0	Alcatel-Lucent TD-RR	3	23.781	26.159	0.50	1.00	3.18	0.000	0.000	133.10	0.00	0.00	162.00
150.0	6' Omni	1	24.355	26.790	1.00	1.00	1.77	0.000	0.000	75.87	0.00	0.00	31.50
150.0	ADC DD1900	6	24.493	26.942	0.50	0.80	3.07	0.000	3.000	132.43	0.00	397.28	65.34
150.0	CSS DUO4-8670	6	24.493	26.942	0.82	0.80	25.94	0.000	3.000	1,118.13	0.00	3,354.38	207.90
150.0	Ericsson RRUS 11	6	24.401	26.841	0.71	0.80	10.02	0.000	1.000	430.29	0.00	430.29	297.00
150.0	Kathrein 860 10025	6	24.493	26.942	1.00	1.00	1.08	0.000	3.000	46.56	0.00	139.67	6.48
150.0	KMW AM-X-CD-16-65-	3	24.493	26.942	0.75	0.80	14.87	0.000	3.000	640.92	0.00	1,922.76	130.95
150.0	Platform	1	24.355	26.790	1.00	1.00	30.00	0.000	0.000	1,285.92	0.00	0.00	1,620.00
150.0	Raycap DC6-48-60-18-	1	24.401	26.841	1.00	1.00	1.47	0.000	1.000	63.13	0.00	63.13	28.62
										8,164.79			4,769.28

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 30 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

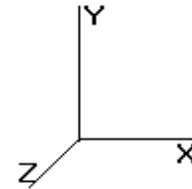
Wind Load Factor : 1.60

Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
3.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.201	0.000	22.07	0.00
3.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.201	0.000	22.07	0.00
3.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.201	0.000	16.22	0.00
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.201	0.000	0.00	0.41
6.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	15.364	0.251	0.000	10.71	8.85
6.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.251	0.000	22.07	0.00
6.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.251	0.000	22.07	0.00
6.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.251	0.000	16.22	0.00
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.251	0.000	0.00	0.41
6.00	(1) 1/2" Coax	Yes	2.00	1.200	0.63	0.10	0.13	15.364	0.251	0.000	3.41	0.27
9.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.278	0.000	16.06	13.28
9.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.278	0.000	22.07	0.00
9.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.278	0.000	22.07	0.00
9.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.278	0.000	16.22	0.00
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.278	0.000	0.00	0.41
9.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.278	0.000	5.11	0.41
12.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.282	0.000	16.06	13.28
12.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.282	0.000	22.07	0.00
12.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.282	0.000	22.07	0.00
12.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.282	0.000	16.22	0.00
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.282	0.000	0.00	0.41
12.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.282	0.000	5.11	0.41
15.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.286	0.000	16.06	13.28
15.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.286	0.000	22.07	0.00
15.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.286	0.000	22.07	0.00
15.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.286	0.000	16.22	0.00
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.286	0.000	0.00	0.41
15.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.286	0.000	5.11	0.41
18.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.290	0.000	16.06	13.28
18.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.290	0.000	22.07	0.00
18.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.290	0.000	22.07	0.00
18.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.290	0.000	16.22	0.00
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.290	0.000	0.00	0.41
18.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.290	0.000	5.11	0.41
21.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.294	0.000	16.06	13.28
21.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.294	0.000	22.07	0.00
21.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.294	0.000	22.07	0.00
21.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.294	0.000	16.22	0.00
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.294	0.000	0.00	0.41
21.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.294	0.000	5.11	0.41
24.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.298	0.000	16.06	13.28
24.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.298	0.000	22.07	0.00
24.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.298	0.000	22.07	0.00
24.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.298	0.000	16.22	0.00
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.298	0.000	0.00	0.41
24.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.298	0.000	5.11	0.41
27.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.364	0.302	0.000	16.06	13.28
27.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.302	0.000	22.07	0.00
27.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.364	0.302	0.000	22.07	0.00
27.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.364	0.302	0.000	16.22	0.00
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.364	0.302	0.000	0.00	0.41

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



12/20/2013 1:42:39 PM
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Load Case: 0.9D + 1.6W **95.00 mph with No Ice (Reduced DL)** **30 Iterations**

Gust Response Factor : 1.10 **Wind Importance Factor : 1.00**

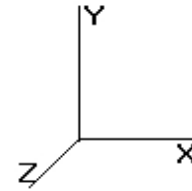
Dead Load Factor : 0.90

Wind Load Factor : 1.60

27.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.364	0.302	0.000	5.11	0.41
30.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.49	0.59	15.377	0.306	0.000	16.08	13.28
30.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.377	0.306	0.000	22.08	0.00
30.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.377	0.306	0.000	22.08	0.00
30.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.377	0.306	0.000	16.24	0.00
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.377	0.306	0.000	0.00	0.40
30.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.377	0.306	0.000	5.11	0.40
33.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	15.802	0.311	0.000	16.52	13.28
33.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.802	0.311	0.000	22.69	0.00
33.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	15.802	0.311	0.000	22.69	0.00
33.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	15.802	0.311	0.000	16.69	0.00
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	15.802	0.311	0.000	0.00	0.41
33.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	15.802	0.311	0.000	5.26	0.41
34.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.937	0.314	0.000	5.55	4.43
34.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	15.937	0.314	0.000	7.63	0.00
34.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	15.937	0.314	0.000	7.63	0.00
34.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	15.937	0.314	0.000	5.61	0.00
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.937	0.314	0.000	0.00	0.14
34.00	(1) 1/2" Coax	Yes	1.00	1.200	0.63	0.05	0.06	15.937	0.314	0.000	1.77	0.14
34.33	(6) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	15.981	0.295	0.000	1.86	1.48
34.33	(2) #20 Dywidag Bars	Yes	0.33	1.200	2.72	0.08	0.09	15.981	0.295	0.000	2.55	0.00
34.33	(2) #20 Dywidag Bars	Yes	0.33	1.200	2.72	0.08	0.09	15.981	0.295	0.000	2.55	0.00
34.33	(0) Angle Brackets	Yes	0.33	1.200	2.00	0.06	0.07	15.981	0.295	0.000	1.87	0.00
34.33	(1) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	15.981	0.295	0.000	0.00	0.04
35.00	(6) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	16.070	0.290	0.000	3.73	2.95
35.00	(2) #20 Dywidag Bars	Yes	0.67	1.200	2.72	0.15	0.18	16.070	0.290	0.000	5.13	0.00
35.00	(2) #20 Dywidag Bars	Yes	0.67	1.200	2.72	0.15	0.18	16.070	0.290	0.000	5.13	0.00
35.00	(0) Angle Brackets	Yes	0.67	1.200	2.00	0.11	0.13	16.070	0.290	0.000	3.77	0.00
35.00	(1) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.070	0.290	0.000	0.00	0.09
36.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.199	0.291	0.000	5.65	4.43
36.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	16.199	0.291	0.000	7.75	0.00
36.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	16.199	0.291	0.000	7.75	0.00
36.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	16.199	0.291	0.000	5.70	0.00
39.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	16.574	0.294	0.000	17.33	13.28
39.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	16.574	0.294	0.000	23.80	0.00
39.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	16.574	0.294	0.000	23.80	0.00
39.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	16.574	0.294	0.000	17.50	0.00
42.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	16.929	0.298	0.000	17.70	13.28
42.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	16.929	0.298	0.000	24.31	0.00
42.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	16.929	0.298	0.000	24.31	0.00
42.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	16.929	0.298	0.000	17.88	0.00
45.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	17.266	0.303	0.000	18.05	13.28
45.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.266	0.303	0.000	24.80	0.00
45.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.266	0.303	0.000	24.80	0.00
45.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	17.266	0.303	0.000	18.23	0.00
48.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	17.587	0.307	0.000	18.39	13.28
48.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.587	0.307	0.000	25.26	0.00
48.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.587	0.307	0.000	25.26	0.00
48.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	17.587	0.307	0.000	18.57	0.00
51.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	17.894	0.312	0.000	18.71	13.28
51.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.894	0.312	0.000	25.70	0.00
51.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	17.894	0.312	0.000	25.70	0.00
51.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	17.894	0.312	0.000	18.90	0.00
54.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	18.189	0.317	0.000	19.02	13.28
54.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.189	0.317	0.000	26.12	0.00
54.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.189	0.317	0.000	26.12	0.00
54.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	18.189	0.317	0.000	19.21	0.00

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



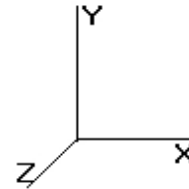
Load Case: 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

57.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	18.472	0.322	0.000	19.31	13.28
57.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.472	0.322	0.000	26.53	0.00
57.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.472	0.322	0.000	26.53	0.00
57.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	18.472	0.322	0.000	19.51	0.00
60.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	18.745	0.327	0.000	19.60	13.28
60.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.745	0.327	0.000	26.92	0.00
60.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	18.745	0.327	0.000	26.92	0.00
60.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	18.745	0.327	0.000	19.79	0.00
63.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	19.008	0.333	0.000	19.87	13.28
63.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.008	0.333	0.000	27.30	0.00
63.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.008	0.333	0.000	27.30	0.00
63.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	19.008	0.333	0.000	20.07	0.00
66.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	19.262	0.338	0.000	20.14	13.28
66.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.262	0.338	0.000	27.66	0.00
66.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.262	0.338	0.000	27.66	0.00
66.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	19.262	0.338	0.000	20.34	0.00
69.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	19.509	0.344	0.000	20.40	13.28
69.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.509	0.344	0.000	28.02	0.00
69.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	19.509	0.344	0.000	28.02	0.00
69.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	19.509	0.344	0.000	20.60	0.00
70.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	19.589	0.348	0.000	6.83	4.43
70.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	19.589	0.348	0.000	9.38	0.00
70.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	19.589	0.348	0.000	9.38	0.00
70.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	19.589	0.348	0.000	6.89	0.00
72.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	19.747	0.351	0.000	13.76	8.86
72.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	19.747	0.351	0.000	18.91	0.00
72.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	19.747	0.351	0.000	18.91	0.00
72.00	(0) Angle Brackets	Yes	2.00	1.200	2.00	0.33	0.40	19.747	0.351	0.000	13.90	0.00
73.58	(6) 1 5/8" Coax	Yes	1.58	1.200	1.98	0.26	0.31	19.870	0.355	0.000	10.96	7.01
73.58	(2) #20 Dywidag Bars	Yes	1.58	1.200	2.72	0.36	0.43	19.870	0.355	0.000	15.06	0.00
73.58	(2) #20 Dywidag Bars	Yes	1.58	1.200	2.72	0.36	0.43	19.870	0.355	0.000	15.06	0.00
73.58	(0) Angle Brackets	Yes	1.58	1.200	2.00	0.26	0.32	19.870	0.355	0.000	11.07	0.00
75.00	(6) 1 5/8" Coax	Yes	1.42	1.200	1.98	0.23	0.28	19.979	0.351	0.000	9.86	6.27
75.00	(2) #20 Dywidag Bars	Yes	1.42	1.200	2.72	0.32	0.39	19.979	0.351	0.000	13.55	0.00
75.00	(2) #20 Dywidag Bars	Yes	1.42	1.200	2.72	0.32	0.39	19.979	0.351	0.000	13.55	0.00
75.00	(0) Angle Brackets	Yes	1.42	1.200	2.00	0.24	0.28	19.979	0.351	0.000	9.96	0.00
78.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	20.204	0.356	0.000	21.12	13.28
78.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.204	0.356	0.000	29.02	0.00
78.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.204	0.356	0.000	29.02	0.00
78.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	20.204	0.356	0.000	21.34	0.00
81.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	20.423	0.362	0.000	21.35	13.28
81.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.423	0.362	0.000	29.33	0.00
81.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.423	0.362	0.000	29.33	0.00
81.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	20.423	0.362	0.000	21.57	0.00
84.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	20.636	0.369	0.000	21.57	13.28
84.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.636	0.369	0.000	29.64	0.00
84.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	20.636	0.369	0.000	29.64	0.00
84.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	20.636	0.369	0.000	21.79	0.00
85.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.706	0.373	0.000	7.22	4.43
85.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	20.706	0.373	0.000	9.91	0.00
85.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	20.706	0.373	0.000	9.91	0.00
85.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	20.706	0.373	0.000	7.29	0.00
87.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	20.844	0.377	0.000	14.53	8.85
87.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	20.844	0.377	0.000	19.96	0.00
87.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	20.844	0.377	0.000	19.96	0.00
87.00	(0) Angle Brackets	Yes	2.00	1.200	2.00	0.33	0.40	20.844	0.377	0.000	14.67	0.00
90.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	21.047	0.383	0.000	22.00	13.28

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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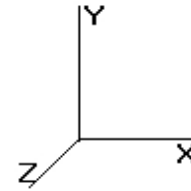
Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 30 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

90.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	21.047	0.383	0.000	30.23	0.00
90.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	21.047	0.383	0.000	30.23	0.00
90.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	21.047	0.383	0.000	22.23	0.00
93.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.245	0.185	1.254	0.00	13.28
93.00	(2) #20 Dywidag Bars	Yes	1.00	0.000	2.72	0.23	0.00	21.245	0.185	1.254	0.00	0.00
93.00	(2) #20 Dywidag Bars	Yes	1.00	0.000	2.72	0.23	0.00	21.245	0.185	1.254	0.00	0.00
93.00	(0) Angle Brackets	Yes	1.00	0.000	2.00	0.17	0.00	21.245	0.185	1.254	0.00	0.00
96.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.439	0.084	0.000	0.00	13.28
99.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.628	0.085	0.000	0.00	13.28
102.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.814	0.087	0.000	0.00	13.28
105.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.995	0.089	0.000	0.00	13.28
108.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.173	0.091	0.000	0.00	13.28
110.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.289	0.092	0.000	0.00	8.85
111.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.347	0.093	0.000	0.00	4.43
114.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.518	0.095	0.000	0.00	13.28
117.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.686	0.097	0.000	0.00	13.28
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.741	0.099	0.000	0.00	4.43
120.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.850	0.100	0.000	0.00	8.85
123.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.012	0.102	1.005	0.00	13.28
126.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.171	0.104	1.013	0.00	13.28
128.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	23.276	0.106	1.019	0.00	8.85
Totals:											2,654.44	557.78

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 30 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

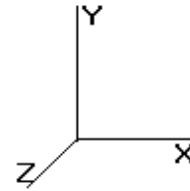
Applied Segment Forces Summary

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
3.00	360.80	618.11	0.00	0.00
6.00	371.12	630.08	0.00	0.00
9.00	374.37	633.56	0.00	0.00
12.00	370.57	628.54	0.00	0.00
15.00	366.77	623.52	0.00	0.00
18.00	362.98	618.50	0.00	0.00
21.00	359.18	613.48	0.00	0.00
24.00	355.38	608.47	0.00	0.00
27.00	351.58	603.45	0.00	0.00
30.00	348.07	598.42	0.00	0.00
33.00	359.18	885.21	0.00	0.00
34.00	204.14	347.02	0.00	14.08
34.33	39.38	97.39	0.00	0.00
35.00	138.16	165.07	0.00	0.00
36.00	119.16	178.76	0.00	0.00
39.00	363.02	533.50	0.00	0.00
42.00	366.60	529.32	0.00	0.00
45.00	369.63	525.14	0.00	0.00
48.00	372.16	520.96	0.00	0.00
51.00	374.24	516.77	0.00	0.00
54.00	375.90	512.59	0.00	0.00
57.00	377.18	508.41	0.00	0.00
60.00	378.12	504.23	0.00	0.00
63.00	378.72	500.04	0.00	0.00
66.00	379.03	495.86	0.00	0.00
69.00	379.05	491.68	0.00	0.00
70.00	125.78	162.95	0.00	0.00
72.00	255.60	453.57	0.00	0.00
73.58	202.05	356.68	0.00	0.00
75.00	180.62	207.76	0.00	0.00
78.00	383.09	437.48	0.00	0.00
81.00	382.20	434.13	0.00	0.00
84.00	381.09	430.79	0.00	0.00
85.00	126.32	142.85	0.00	0.00
87.00	252.61	150.99	0.00	0.00
90.00	378.26	223.70	0.00	0.00
93.00	225.75	220.35	0.00	0.00
96.00	223.39	217.01	0.00	0.00
99.00	220.90	213.66	0.00	0.00
102.0	218.30	210.31	0.00	0.00
105.0	215.58	206.97	0.00	0.00
108.0	212.76	203.62	0.00	0.00
110.0	140.03	133.88	0.00	0.00
111.0	69.43	54.05	0.00	0.00
114.0	206.79	160.46	0.00	0.00
117.0	203.65	157.95	0.00	0.00
118.0	1,355.01	333.07	0.00	0.00
120.0	133.09	95.49	0.00	0.00
123.0	197.10	141.14	0.00	0.00

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
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 Base Elev : 0.000 (ft)

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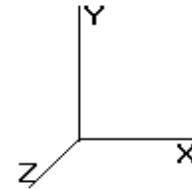
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Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 30 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

126.0	193.69	138.63	0.00	0.00
128.0	645.83	342.30	0.00	0.00
129.0	62.86	40.67	0.00	0.00
132.0	186.60	120.33	0.00	0.00
135.0	182.93	117.82	0.00	0.00
138.0	2,600.57	1,865.00	0.00	0.00
141.0	175.36	104.70	0.00	0.00
144.0	171.46	102.19	0.00	0.00
147.0	167.48	99.68	0.00	0.00
150.0	3,956.67	2,484.96	0.00	6,307.51
Totals:	23,227.33	24,253.23	0.00	6,321.59

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



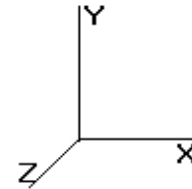
Load Case: 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-24.22	-23.26	0.00	-2,211.06	0.00	2,211.06	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.613
3.00	-23.54	-22.97	0.00	-2,141.27	0.00	2,141.27	3,033.07	1,516.54	4,391.91	2,169.00	0.05	-0.16	0.603
6.00	-22.84	-22.66	0.00	-2,072.37	0.00	2,072.37	3,007.36	1,503.68	4,298.09	2,122.66	0.21	-0.32	0.592
9.00	-22.15	-22.34	0.00	-2,004.40	0.00	2,004.40	2,981.31	1,490.65	4,204.74	2,076.56	0.46	-0.49	0.581
12.00	-21.46	-22.03	0.00	-1,937.38	0.00	1,937.38	2,954.90	1,477.45	4,111.88	2,030.70	0.82	-0.65	0.570
15.00	-20.78	-21.71	0.00	-1,871.30	0.00	1,871.30	2,928.15	1,464.08	4,019.55	1,985.10	1.28	-0.81	0.559
18.00	-20.11	-21.39	0.00	-1,806.17	0.00	1,806.17	2,901.06	1,450.53	3,927.75	1,939.77	1.84	-0.97	0.548
21.00	-19.45	-21.08	0.00	-1,741.99	0.00	1,741.99	2,873.62	1,436.81	3,836.52	1,894.71	2.50	-1.13	0.537
24.00	-18.79	-20.76	0.00	-1,678.76	0.00	1,678.76	2,845.83	1,422.91	3,745.85	1,849.94	3.27	-1.29	0.526
27.00	-18.13	-20.45	0.00	-1,616.47	0.00	1,616.47	2,808.40	1,404.20	3,643.74	1,799.51	4.13	-1.45	0.516
30.00	-17.49	-20.13	0.00	-1,555.13	0.00	1,555.13	2,768.14	1,384.07	3,539.40	1,747.98	5.09	-1.61	0.507
33.00	-16.58	-19.78	0.00	-1,494.74	0.00	1,494.74	2,727.87	1,363.94	3,436.57	1,697.20	6.16	-1.77	0.490
34.00	-16.23	-19.57	0.00	-1,474.95	0.00	1,474.95	2,714.45	1,357.23	3,402.64	1,680.43	6.53	-1.82	0.487
34.33	-16.12	-19.54	0.00	-1,468.43	0.00	1,468.43	2,189.30	1,094.65	2,807.96	1,386.75	6.66	-1.84	0.556
35.00	-15.95	-19.41	0.00	-1,455.40	0.00	1,455.40	2,184.88	1,092.44	2,793.14	1,379.43	6.92	-1.87	0.553
36.00	-15.73	-19.31	0.00	-1,436.00	0.00	1,436.00	2,178.20	1,089.10	2,770.95	1,368.47	7.32	-1.93	0.548
39.00	-15.16	-18.97	0.00	-1,378.06	0.00	1,378.06	2,157.96	1,078.98	2,704.57	1,335.69	8.59	-2.09	0.533
42.00	-14.59	-18.63	0.00	-1,321.15	0.00	1,321.15	2,137.36	1,068.68	2,638.53	1,303.07	9.96	-2.26	0.519
45.00	-14.03	-18.28	0.00	-1,265.26	0.00	1,265.26	2,116.42	1,058.21	2,572.85	1,270.63	11.43	-2.42	0.504
48.00	-13.48	-17.92	0.00	-1,210.43	0.00	1,210.43	2,095.13	1,047.57	2,507.54	1,238.38	13.00	-2.58	0.490
51.00	-12.93	-17.56	0.00	-1,156.68	0.00	1,156.68	2,073.50	1,036.75	2,442.62	1,206.32	14.67	-2.74	0.475
54.00	-12.39	-17.19	0.00	-1,104.00	0.00	1,104.00	2,051.52	1,025.76	2,378.11	1,174.46	16.44	-2.90	0.460
57.00	-11.86	-16.82	0.00	-1,052.43	0.00	1,052.43	2,029.19	1,014.59	2,314.04	1,142.82	18.31	-3.05	0.446
60.00	-11.33	-16.45	0.00	-1,001.97	0.00	1,001.97	2,006.52	1,003.26	2,250.42	1,111.40	20.28	-3.21	0.431
63.00	-10.81	-16.07	0.00	-952.64	0.00	952.64	1,983.49	991.75	2,187.27	1,080.21	22.34	-3.36	0.416
66.00	-10.30	-15.69	0.00	-904.44	0.00	904.44	1,955.12	977.56	2,119.18	1,046.58	24.50	-3.51	0.403
69.00	-9.80	-15.29	0.00	-857.38	0.00	857.38	1,921.56	960.78	2,046.64	1,010.76	26.75	-3.66	0.390
70.00	-9.63	-15.17	0.00	-842.09	0.00	842.09	1,910.38	955.19	2,022.75	998.96	27.52	-3.70	0.386
72.00	-9.17	-14.90	0.00	-811.75	0.00	811.75	1,888.01	944.00	1,975.37	975.56	29.09	-3.80	0.371
73.58	-8.81	-14.68	0.00	-788.16	0.00	788.16	1,431.12	715.56	1,520.26	750.80	30.36	-3.88	0.424
75.00	-8.59	-14.51	0.00	-767.35	0.00	767.35	1,423.89	711.94	1,499.92	740.75	31.52	-3.94	0.416
78.00	-8.14	-14.11	0.00	-723.84	0.00	723.84	1,408.31	704.16	1,457.00	719.56	34.05	-4.09	0.398
81.00	-7.70	-13.72	0.00	-681.49	0.00	681.49	1,392.39	696.19	1,414.32	698.48	36.67	-4.24	0.379
84.00	-7.28	-13.32	0.00	-640.33	0.00	640.33	1,376.12	688.06	1,371.90	677.53	39.37	-4.38	0.362
85.00	-7.13	-13.19	0.00	-627.01	0.00	627.01	1,370.62	685.31	1,357.82	670.57	40.29	-4.42	0.356
85.00	-7.13	-13.19	0.00	-627.01	0.00	627.01	1,370.62	685.31	1,357.82	670.57	40.29	-4.42	0.941
87.00	-6.95	-12.96	0.00	-600.63	0.00	600.63	1,359.50	679.75	1,329.75	656.71	42.16	-4.52	0.920
90.00	-6.68	-12.60	0.00	-561.76	0.00	561.76	1,342.54	671.27	1,287.89	636.04	45.12	-4.88	0.889
93.00	-6.40	-12.40	0.00	-523.95	0.00	523.95	1,325.23	662.62	1,246.34	615.52	48.29	-5.23	0.856
96.00	-6.13	-12.19	0.00	-486.76	0.00	486.76	1,307.58	653.79	1,205.13	595.17	51.69	-5.58	0.823
99.00	-5.87	-11.99	0.00	-450.18	0.00	450.18	1,289.58	644.79	1,164.26	574.99	55.30	-5.93	0.788
102.00	-5.62	-11.78	0.00	-414.22	0.00	414.22	1,271.23	635.61	1,123.77	554.99	59.13	-6.27	0.751
105.00	-5.37	-11.57	0.00	-378.88	0.00	378.88	1,248.50	624.25	1,080.18	533.46	63.17	-6.60	0.715
108.00	-5.14	-11.36	0.00	-344.15	0.00	344.15	1,221.66	610.83	1,033.97	510.64	67.41	-6.92	0.679
110.00	-4.99	-11.22	0.00	-321.43	0.00	321.43	1,203.76	601.88	1,003.72	495.70	70.35	-7.14	0.653
110.00	-4.99	-11.22	0.00	-321.43	0.00	321.43	829.79	414.89	696.16	343.81	70.35	-7.14	0.942
111.00	-4.90	-11.17	0.00	-310.21	0.00	310.21	826.22	413.11	687.98	339.77	71.85	-7.24	0.920
114.00	-4.69	-10.97	0.00	-276.70	0.00	276.70	815.28	407.64	663.53	327.69	76.52	-7.64	0.851
117.00	-4.52	-10.77	0.00	-243.78	0.00	243.78	803.99	402.00	639.21	315.68	81.42	-8.01	0.779
118.00	-4.35	-9.40	0.00	-233.01	0.00	233.01	800.15	400.08	631.14	311.70	83.11	-8.13	0.754
120.00	-4.23	-9.27	0.00	-214.23	0.00	214.23	792.36	396.18	615.05	303.75	86.55	-8.37	0.711

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 30 Iterations

Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00

Dead Load Factor : 1.20 Ice Importance Factor : 1.00

Wind Load Factor : 1.00

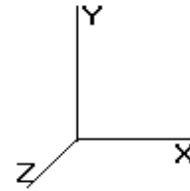
Shaft Segment Forces (Factored)

Seg Top	Elev (ft)	Description	Kzt	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		1.00	0.70	4.256	4.682	0.000	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
	3.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.574	3.00	10.046	12.05	56.4	226.9	950.9
	6.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.687	3.00	9.985	11.98	56.1	240.9	958.2
	9.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.756	3.00	9.903	11.88	55.6	248.2	958.9
	12.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.808	3.00	9.811	11.77	55.1	252.6	956.6
	15.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.848	3.00	9.715	11.66	54.6	255.4	952.6
	18.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.882	3.00	9.615	11.54	54.0	257.0	947.5
	21.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.912	3.00	9.512	11.41	53.4	257.8	941.7
	24.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.937	3.00	9.408	11.29	52.9	258.1	935.2
	27.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.960	3.00	9.302	11.16	52.3	257.9	928.3
	30.00	Bot - Section 2	1.00	0.70	4.260	4.686	0.000	1.200	* 1.981	3.00	9.196	11.03	51.7	257.2	921.0
	33.00		1.00	0.72	4.377	4.815	0.000	1.200	* 2.000	3.00	9.250	11.10	53.4	261.2	1,307.4
	34.00	Appertunance(s)	1.00	0.72	4.415	4.856	0.000	1.200	* 2.006	1.00	3.058	3.67	17.8	87.0	432.9
	34.33	Top - Section 1	1.00	0.72	4.427	4.870	0.000	1.200	* 2.008	0.33	1.017	1.22	5.9	29.0	144.0
	35.00	Appertunance(s)	1.00	0.73	4.451	4.897	0.000	1.200	* 2.012	0.67	2.029	2.44	11.9	57.9	187.6
	36.00		1.00	0.73	4.487	4.936	0.000	1.200	* 2.017	1.00	3.034	3.64	18.0	86.7	280.7
	39.00		1.00	0.75	4.591	5.050	0.000	1.200	* 2.034	3.00	9.032	10.84	54.7	258.7	837.0
	42.00		1.00	0.77	4.689	5.158	0.000	1.200	* 2.049	3.00	8.923	10.71	55.2	257.1	829.9
	45.00		1.00	0.78	4.783	5.261	0.000	1.200	* 2.063	3.00	8.813	10.58	55.6	255.4	822.5
	48.00		1.00	0.80	4.872	5.359	0.000	1.200	* 2.076	3.00	8.703	10.44	56.0	253.5	815.1
	51.00		1.00	0.81	4.957	5.453	0.000	1.200	* 2.089	3.00	8.592	10.31	56.2	251.5	807.5
	54.00		1.00	0.82	5.039	5.542	0.000	1.200	* 2.101	3.00	8.481	10.18	56.4	249.3	799.7
	57.00		1.00	0.84	5.117	5.629	0.000	1.200	* 2.112	3.00	8.369	10.04	56.5	247.0	791.9
	60.00		1.00	0.85	5.193	5.712	0.000	1.200	* 2.123	3.00	8.258	9.91	56.6	244.7	783.9
	63.00		1.00	0.86	5.265	5.792	0.000	1.200	* 2.134	3.00	8.146	9.77	56.6	242.2	775.9
	66.00		1.00	0.87	5.336	5.869	0.000	1.200	* 2.144	3.00	8.034	9.64	56.6	239.6	767.7
	69.00		1.00	0.88	5.404	5.944	0.000	1.200	* 2.153	3.00	7.921	9.51	56.5	237.0	759.5
	70.00	Bot - Section 3	1.00	0.89	5.426	5.969	0.000	1.200	* 2.156	1.00	2.615	3.14	18.7	78.7	251.6
	72.00		1.00	0.90	5.470	6.017	0.000	1.200	* 2.162	2.00	5.279	6.34	38.1	159.0	675.1
	73.58	Top - Section 2	1.00	0.90	5.504	6.055	0.000	1.200	* 2.167	1.58	4.143	4.97	30.1	125.1	530.4
	75.00		1.00	0.91	5.534	6.088	0.000	1.200	* 2.171	1.42	3.681	4.42	26.9	111.3	325.5
	78.00		1.00	0.92	5.597	6.156	0.000	1.200	* 2.180	3.00	7.713	9.26	57.0	232.8	683.1
	81.00		1.00	0.93	5.657	6.223	0.000	1.200	* 2.188	3.00	7.600	9.12	56.8	229.9	675.8
	84.00		1.00	0.94	5.716	6.288	0.000	1.200	* 2.196	3.00	7.487	8.98	56.5	227.0	668.3
	85.00	Reinf. Top	1.00	0.94	5.736	6.309	0.000	1.200	* 2.198	1.00	2.470	2.96	18.7	75.3	221.5
	87.00		1.00	0.95	5.774	6.351	0.000	1.200	* 2.204	2.00	4.903	5.88	37.4	149.3	306.5
	90.00		1.00	0.95	5.830	6.413	0.000	1.200	* 2.211	3.00	7.260	8.71	55.9	220.9	452.9
	93.00		1.00	0.96	5.885	6.474	0.000	1.200	* 2.218	3.00	7.147	8.58	55.5	217.8	445.4
	96.00		1.00	0.97	5.939	6.533	0.000	1.200	* 2.225	3.00	7.033	8.44	55.1	214.6	437.7
	99.00		1.00	0.98	5.991	6.590	0.000	1.200	* 2.232	3.00	6.919	8.30	54.7	211.4	430.1
	102.0		1.00	0.99	6.043	6.647	0.000	1.200	* 2.239	3.00	6.806	8.17	54.3	208.2	422.3
	105.0		1.00	1.00	6.093	6.702	0.000	1.200	* 2.245	3.00	6.692	8.03	53.8	204.9	414.6
	108.0		1.00	1.01	6.142	6.756	0.000	1.200	* 2.252	3.00	6.578	7.89	53.3	201.5	406.8
	110.0	Top - Section 3	1.00	1.01	6.174	6.792	0.000	1.200	* 2.256	2.00	4.321	5.19	35.2	132.9	267.2
	111.0		1.00	1.01	6.190	6.809	0.000	1.200	* 2.258	1.00	2.142	2.57	17.5	66.1	116.0
	114.0		1.00	1.02	6.238	6.861	0.000	1.200	* 2.264	3.00	6.350	7.62	52.3	194.8	342.5
	117.0		1.00	1.03	6.284	6.913	0.000	1.200	* 2.270	3.00	6.236	7.48	51.7	191.3	335.7
	118.0	Appertunance(s)	1.00	1.03	6.299	6.929	0.000	1.200	* 2.272	1.00	2.053	2.46	17.1	63.4	110.8
	120.0		1.00	1.04	6.330	6.963	0.000	1.200	* 2.276	2.00	4.068	4.88	34.0	125.2	218.9
	123.0		1.00	1.04	6.375	7.012	0.000	1.200	* 2.281	3.00	6.007	7.21	50.5	184.4	322.0
	126.0		1.00	1.05	6.419	7.060	0.000	1.200	* 2.287	3.00	5.893	7.07	49.9	180.8	315.2

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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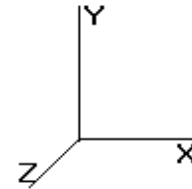
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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	30 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

128.0	Appertunance(s)	1.00	1.06	6.448	7.092	0.000	1.200	*	2.290	2.00	3.865	4.64	32.9	119.0	206.7
129.0		1.00	1.06	6.462	7.108	0.000	1.200		2.292	1.00	1.913	2.30	16.3	59.1	102.4
132.0		1.00	1.07	6.504	7.155	0.000	1.200		2.297	3.00	5.664	6.80	48.6	173.7	301.3
135.0		1.00	1.07	6.546	7.201	0.000	1.200		2.303	3.00	5.549	6.66	48.0	170.1	294.4
138.0	Appertunance(s)	1.00	1.08	6.588	7.246	0.000	1.200		2.308	3.00	5.435	6.52	47.3	166.4	287.4
141.0		1.00	1.09	6.628	7.291	0.000	1.200		2.313	3.00	5.320	6.38	46.5	162.8	280.4
144.0		1.00	1.09	6.668	7.335	0.000	1.200		2.317	3.00	5.206	6.25	45.8	159.1	273.3
147.0		1.00	1.10	6.708	7.378	0.000	1.200		2.322	3.00	5.091	6.11	45.1	155.3	266.3
150.0	Appertunance(s)	1.00	1.11	6.746	7.421	0.000	1.200		2.327	3.00	4.976	5.97	44.3	151.6	259.2
* = Cf Adjusted By Linear Load Ra Effect									Totals:	150.00			2,672.1	11,093.3	32,241.2

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
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Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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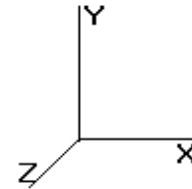
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	30 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
34.00	GPS	1	4.433	4.876	1.00	1.00	1.82	0.000	0.500	8.87	0.00	4.43	37.46
34.00	Stand-off	1	4.415	4.856	1.00	1.00	3.60	0.000	0.000	17.51	0.00	0.00	75.12
35.00	PCTEL GPS-TMG-HR-	1	4.451	4.897	1.00	1.00	0.32	0.000	0.000	1.55	0.00	0.00	14.32
35.00	Stand-off	1	4.451	4.897	1.00	1.00	3.61	0.000	0.000	17.67	0.00	0.00	150.24
118.0	Argus LLPX310R	3	6.299	6.929	0.69	0.80	9.08	0.000	0.000	62.95	0.00	0.00	554.96
118.0	Clearwire Mount	1	6.299	6.929	1.00	1.00	17.77	0.000	0.000	123.13	0.00	0.00	81.62
118.0	DragonWave A-ANT-	1	6.299	6.929	1.00	1.00	2.60	0.000	0.000	18.00	0.00	0.00	53.99
118.0	DragonWave A-ANT-	2	6.299	6.929	0.90	1.00	11.43	0.000	0.000	79.23	0.00	0.00	59.74
118.0	DragonWave Horizon	3	6.299	6.929	0.50	0.80	1.31	0.000	0.000	9.11	0.00	0.00	106.95
118.0	Generic 12" x 12" Ju	1	6.299	6.929	1.00	1.00	2.50	0.000	0.000	17.35	0.00	0.00	76.33
118.0	NextNet BTS-2500	3	6.299	6.929	0.73	0.80	4.48	0.000	0.000	31.06	0.00	0.00	369.27
128.0	Flush Mounts	1	6.448	7.092	1.00	1.00	8.31	0.000	0.000	58.93	0.00	0.00	598.07
128.0	RFS APXV18-206517S-	3	6.448	7.092	0.74	0.80	12.12	0.000	0.000	85.97	0.00	0.00	602.00
138.0	Alcatel-Lucent 4X40W	6	6.588	7.246	0.50	1.00	9.71	0.000	0.000	70.33	0.00	0.00	1,238.92
138.0	Alcatel-Lucent 800 M	3	6.588	7.246	0.50	1.00	5.07	0.000	0.000	36.76	0.00	0.00	669.16
138.0	RFS APXV9ERR18-C-	2	6.588	7.246	0.83	0.80	12.97	0.000	0.000	94.00	0.00	0.00	733.95
138.0	RFS APXVSPP18-C-	1	6.588	7.246	0.83	0.80	6.49	0.000	0.000	47.00	0.00	0.00	349.08
138.0	RFS IBC1900BB-1	3	6.588	7.246	0.50	0.80	1.87	0.000	0.000	13.55	0.00	0.00	238.07
138.0	RFS IBC1900HG-2A	3	6.588	7.246	0.50	0.80	1.87	0.000	0.000	13.55	0.00	0.00	238.07
138.0	T-Arms	3	6.588	7.246	0.75	0.75	21.53	0.000	0.000	155.99	0.00	0.00	1,538.75
138.0	RFS APXVTM14-C-I20	3	6.588	7.246	0.83	0.75	14.64	0.000	0.000	106.09	0.00	0.00	868.59
138.0	Alcatel-Lucent TD-RR	3	6.588	7.246	0.50	1.00	3.92	0.000	0.000	28.42	0.00	0.00	530.31
150.0	6' Omni	1	6.746	7.421	1.00	1.00	3.42	0.000	0.000	25.36	0.00	0.00	57.58
150.0	ADC DD1900	6	6.785	7.463	0.50	0.80	5.67	0.000	3.000	42.30	0.00	126.91	115.86
150.0	CSS DUO4-8670	6	6.785	7.463	0.82	0.80	28.52	0.000	3.000	212.85	0.00	638.55	1,717.88
150.0	Ericsson RRUS 11	6	6.759	7.435	0.71	0.80	11.61	0.000	1.000	86.35	0.00	86.35	1,092.01
150.0	Kathrein 860 10025	6	6.785	7.463	1.00	1.00	2.90	0.000	3.000	21.65	0.00	64.95	113.38
150.0	KMW AM-X-CD-16-65-	3	6.785	7.463	0.75	0.80	17.61	0.000	3.000	131.44	0.00	394.32	981.40
150.0	Platform	1	6.746	7.421	1.00	1.00	57.92	0.000	0.000	429.85	0.00	0.00	3,135.41
150.0	Raycap DC6-48-60-18-	1	6.759	7.435	1.00	1.00	2.40	0.000	1.000	17.87	0.00	17.87	102.89
										2,064.70			16,501.35

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 30 Iterations

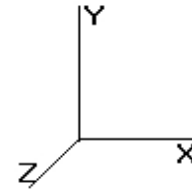
Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20 Ice Importance Factor : 1.00
 Wind Load Factor : 1.00

Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
3.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.47	1.76	4.256	0.201	0.000	8.24	32.75
3.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.47	1.76	4.256	0.201	0.000	8.24	32.75
3.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.29	1.54	4.256	0.201	0.000	7.23	9.08
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.201	0.000	0.00	12.03
6.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.89	1.07	4.256	0.251	0.000	5.01	53.85
6.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.52	1.83	4.256	0.251	0.000	8.56	35.54
6.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.52	1.83	4.256	0.251	0.000	8.56	35.54
6.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.34	1.61	4.256	0.251	0.000	7.55	10.43
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.251	0.000	0.00	13.54
6.00	(1) 1/2" Coax	Yes	2.00	1.200	0.63	0.67	0.80	4.256	0.251	0.000	3.75	9.03
9.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.37	1.65	4.256	0.278	0.000	7.71	83.59
9.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.56	1.87	4.256	0.278	0.000	8.75	37.30
9.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.56	1.87	4.256	0.278	0.000	8.75	37.30
9.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.38	1.65	4.256	0.278	0.000	7.74	11.31
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.278	0.000	0.00	14.53
9.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	1.04	1.24	4.256	0.278	0.000	5.82	14.53
12.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.40	1.68	4.256	0.282	0.000	7.86	85.68
12.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.58	1.90	4.256	0.282	0.000	8.90	38.62
12.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.58	1.90	4.256	0.282	0.000	8.90	38.62
12.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.40	1.68	4.256	0.282	0.000	7.89	11.98
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.282	0.000	0.00	15.27
12.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	1.06	1.27	4.256	0.282	0.000	5.96	15.27
15.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.42	1.70	4.256	0.286	0.000	7.97	87.36
15.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.60	1.93	4.256	0.286	0.000	9.01	39.69
15.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.60	1.93	4.256	0.286	0.000	9.01	39.69
15.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.42	1.71	4.256	0.286	0.000	8.00	12.52
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.286	0.000	0.00	15.88
15.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	1.08	1.30	4.256	0.286	0.000	6.08	15.88
18.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.44	1.72	4.256	0.290	0.000	8.07	88.77
18.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.62	1.95	4.256	0.290	0.000	9.11	40.59
18.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.62	1.95	4.256	0.290	0.000	9.11	40.59
18.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.44	1.73	4.256	0.290	0.000	8.10	12.99
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.290	0.000	0.00	16.39
18.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	1.10	1.32	4.256	0.290	0.000	6.17	16.39
21.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.45	1.74	4.256	0.294	0.000	8.15	89.98
21.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.64	1.96	4.256	0.294	0.000	9.19	41.36
21.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.64	1.96	4.256	0.294	0.000	9.19	41.36
21.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.46	1.75	4.256	0.294	0.000	8.18	13.39
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.294	0.000	0.00	16.84
21.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	1.11	1.34	4.256	0.294	0.000	6.25	16.84
24.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.46	1.76	4.256	0.298	0.000	8.22	91.06
24.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.65	1.98	4.256	0.298	0.000	9.26	42.05
24.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.65	1.98	4.256	0.298	0.000	9.26	42.05
24.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.47	1.76	4.256	0.298	0.000	8.25	13.76
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.298	0.000	0.00	17.24
24.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	1.13	1.35	4.256	0.298	0.000	6.33	17.24
27.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.48	1.77	4.256	0.302	0.000	8.29	92.02
27.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.66	1.99	4.256	0.302	0.000	9.33	42.67
27.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.66	1.99	4.256	0.302	0.000	9.33	42.67
27.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.48	1.78	4.256	0.302	0.000	8.32	14.08
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.302	0.000	0.00	17.60

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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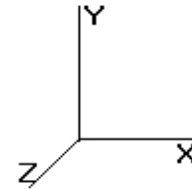
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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 30 Iterations
 Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20 Ice Importance Factor : 1.00
 Wind Load Factor : 1.00

27.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	1.14	1.37	4.256	0.302	0.000	6.39	17.60
30.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.49	1.78	4.260	0.306	0.000	8.35	92.90
30.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.67	2.00	4.260	0.306	0.000	9.39	43.23
30.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.67	2.00	4.260	0.306	0.000	9.39	43.23
30.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.49	1.79	4.260	0.306	0.000	8.38	14.38
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.260	0.306	0.000	0.00	17.94
30.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	1.15	1.38	4.260	0.306	0.000	6.45	17.93
33.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.50	1.79	4.377	0.311	0.000	8.64	93.70
33.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.68	2.02	4.377	0.311	0.000	9.71	43.75
33.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.68	2.02	4.377	0.311	0.000	9.71	43.75
33.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.50	1.80	4.377	0.311	0.000	8.67	14.66
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.377	0.311	0.000	0.00	18.24
33.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	1.16	1.39	4.377	0.311	0.000	6.69	18.24
34.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.60	4.415	0.314	0.000	2.91	31.32
34.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.56	0.67	4.415	0.314	0.000	3.27	14.64
34.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.56	0.67	4.415	0.314	0.000	3.27	14.64
34.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.50	0.60	4.415	0.314	0.000	2.92	4.92
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.415	0.314	0.000	0.00	6.11
34.00	(1) 1/2" Coax	Yes	1.00	1.200	0.63	0.39	0.46	4.415	0.314	0.000	2.25	6.11
34.33	(6) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.17	0.20	4.427	0.295	0.000	0.97	10.45
34.33	(2) #20 Dywidag Bars	Yes	0.33	1.200	2.72	0.19	0.22	4.427	0.295	0.000	1.09	4.89
34.33	(2) #20 Dywidag Bars	Yes	0.33	1.200	2.72	0.19	0.22	4.427	0.295	0.000	1.09	4.89
34.33	(0) Angle Brackets	Yes	0.33	1.200	2.00	0.17	0.20	4.427	0.295	0.000	0.98	1.64
34.33	(1) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	4.427	0.295	0.000	0.00	2.04
35.00	(6) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.33	0.40	4.451	0.290	0.000	1.96	20.93
35.00	(2) #20 Dywidag Bars	Yes	0.67	1.200	2.72	0.37	0.45	4.451	0.290	0.000	2.20	9.80
35.00	(2) #20 Dywidag Bars	Yes	0.67	1.200	2.72	0.37	0.45	4.451	0.290	0.000	2.20	9.80
35.00	(0) Angle Brackets	Yes	0.67	1.200	2.00	0.33	0.40	4.451	0.290	0.000	1.97	3.30
35.00	(1) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	4.451	0.290	0.000	0.00	4.10
36.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.60	4.487	0.291	0.000	2.97	31.48
36.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.56	0.68	4.487	0.291	0.000	3.33	14.74
36.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.56	0.68	4.487	0.291	0.000	3.33	14.74
36.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.50	0.60	4.487	0.291	0.000	2.98	4.97
39.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.51	1.81	4.591	0.294	0.000	9.16	95.13
39.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.70	2.04	4.591	0.294	0.000	10.28	44.68
39.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.70	2.04	4.591	0.294	0.000	10.28	44.68
39.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.52	1.82	4.591	0.294	0.000	9.19	15.16
42.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.52	1.82	4.689	0.298	0.000	9.41	95.78
42.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.70	2.05	4.689	0.298	0.000	10.55	45.10
42.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.70	2.05	4.689	0.298	0.000	10.55	45.10
42.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.52	1.83	4.689	0.298	0.000	9.44	15.39
45.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.53	1.83	4.783	0.303	0.000	9.64	96.38
45.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.71	2.05	4.783	0.303	0.000	10.81	45.49
45.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.71	2.05	4.783	0.303	0.000	10.81	45.49
45.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.53	1.84	4.783	0.303	0.000	9.67	15.60
48.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.53	1.84	4.872	0.307	0.000	9.86	96.96
48.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.72	2.06	4.872	0.307	0.000	11.05	45.86
48.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.72	2.06	4.872	0.307	0.000	11.05	45.86
48.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.54	1.85	4.872	0.307	0.000	9.89	15.80
51.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.54	1.85	4.957	0.312	0.000	10.07	97.50
51.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.72	2.07	4.957	0.312	0.000	11.28	46.22
51.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.72	2.07	4.957	0.312	0.000	11.28	46.22
51.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.54	1.85	4.957	0.312	0.000	10.11	15.99
54.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.55	1.85	5.039	0.317	0.000	10.28	98.02
54.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.73	2.08	5.039	0.317	0.000	11.51	46.55
54.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.73	2.08	5.039	0.317	0.000	11.51	46.55
54.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.55	1.86	5.039	0.317	0.000	10.31	16.18

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



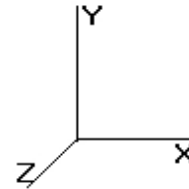
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	30 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

57.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.55	1.86	5.117	0.322	0.000	10.48	98.51
57.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.74	2.08	5.117	0.322	0.000	11.73	46.87
57.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.74	2.08	5.117	0.322	0.000	11.73	46.87
57.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.56	1.87	5.117	0.322	0.000	10.51	16.35
60.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.56	1.87	5.193	0.327	0.000	10.67	98.98
60.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.74	2.09	5.193	0.327	0.000	11.94	47.18
60.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.74	2.09	5.193	0.327	0.000	11.94	47.18
60.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.56	1.87	5.193	0.327	0.000	10.70	16.52
63.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.56	1.87	5.265	0.333	0.000	10.86	99.43
63.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.75	2.10	5.265	0.333	0.000	12.14	47.47
63.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.75	2.10	5.265	0.333	0.000	12.14	47.47
63.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.57	1.88	5.265	0.333	0.000	10.89	16.68
66.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.57	1.88	5.336	0.338	0.000	11.04	99.86
66.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.75	2.10	5.336	0.338	0.000	12.34	47.75
66.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.75	2.10	5.336	0.338	0.000	12.34	47.75
66.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.57	1.89	5.336	0.338	0.000	11.07	16.84
69.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.57	1.89	5.404	0.344	0.000	11.21	100.27
69.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.76	2.11	5.404	0.344	0.000	12.53	48.03
69.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.76	2.11	5.404	0.344	0.000	12.53	48.03
69.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.58	1.89	5.404	0.344	0.000	11.25	16.99
70.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.63	5.426	0.348	0.000	3.76	33.47
70.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.59	0.70	5.426	0.348	0.000	4.20	16.04
70.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.59	0.70	5.426	0.348	0.000	4.20	16.04
70.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.53	0.63	5.426	0.348	0.000	3.77	5.68
72.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	1.05	1.26	5.470	0.351	0.000	7.59	67.12
72.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	1.17	1.41	5.470	0.351	0.000	8.48	32.19
72.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	1.17	1.41	5.470	0.351	0.000	8.48	32.19
72.00	(0) Angle Brackets	Yes	2.00	1.200	2.00	1.05	1.26	5.470	0.351	0.000	7.61	11.42
73.58	(6) 1 5/8" Coax	Yes	1.58	1.200	1.98	0.83	1.00	5.504	0.355	0.000	6.05	53.24
73.58	(2) #20 Dywidag Bars	Yes	1.58	1.200	2.72	0.93	1.12	5.504	0.355	0.000	6.76	25.56
73.58	(2) #20 Dywidag Bars	Yes	1.58	1.200	2.72	0.93	1.12	5.504	0.355	0.000	6.76	25.56
73.58	(0) Angle Brackets	Yes	1.58	1.200	2.00	0.84	1.00	5.504	0.355	0.000	6.07	9.08
75.00	(6) 1 5/8" Coax	Yes	1.42	1.200	1.98	0.75	0.90	5.534	0.351	0.000	5.45	47.72
75.00	(2) #20 Dywidag Bars	Yes	1.42	1.200	2.72	0.83	1.00	5.534	0.351	0.000	6.09	22.92
75.00	(2) #20 Dywidag Bars	Yes	1.42	1.200	2.72	0.83	1.00	5.534	0.351	0.000	6.09	22.92
75.00	(0) Angle Brackets	Yes	1.42	1.200	2.00	0.75	0.90	5.534	0.351	0.000	5.47	8.16
78.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.58	1.90	5.597	0.356	0.000	11.71	101.43
78.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.77	2.12	5.597	0.356	0.000	13.07	48.78
78.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.77	2.12	5.597	0.356	0.000	13.07	48.78
78.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.59	1.91	5.597	0.356	0.000	11.75	17.41
81.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.59	1.91	5.657	0.362	0.000	11.87	101.79
81.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.77	2.13	5.657	0.362	0.000	13.25	49.02
81.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.77	2.13	5.657	0.362	0.000	13.25	49.02
81.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.59	1.91	5.657	0.362	0.000	11.90	17.54
84.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.59	1.91	5.716	0.369	0.000	12.02	102.14
84.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.78	2.13	5.716	0.369	0.000	13.42	49.25
84.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.78	2.13	5.716	0.369	0.000	13.42	49.25
84.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.60	1.92	5.716	0.369	0.000	12.06	17.67
85.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.736	0.373	0.000	4.02	34.09
85.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.59	0.71	5.736	0.373	0.000	4.49	16.44
85.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.59	0.71	5.736	0.373	0.000	4.49	16.44
85.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.53	0.64	5.736	0.373	0.000	4.04	5.90
87.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	1.06	1.28	5.774	0.377	0.000	8.11	68.32
87.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	1.19	1.43	5.774	0.377	0.000	9.05	32.98
87.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	1.19	1.43	5.774	0.377	0.000	9.05	32.98
87.00	(0) Angle Brackets	Yes	2.00	1.200	2.00	1.07	1.28	5.774	0.377	0.000	8.14	11.86
90.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.60	1.92	5.830	0.383	0.000	12.32	102.81

Pole : 302473
 Location : EHFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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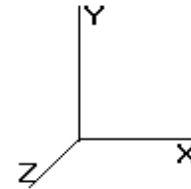
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	30 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

90.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.79	2.14	5.830	0.383	0.000	13.74	49.69
90.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	1.79	2.14	5.830	0.383	0.000	13.74	49.69
90.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	1.61	1.93	5.830	0.383	0.000	12.36	17.92
93.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.60	0.00	5.885	0.185	1.254	0.00	103.13
93.00	(2) #20 Dywidag Bars	Yes	1.00	0.000	2.72	0.60	0.00	5.885	0.185	1.254	0.00	16.63
93.00	(2) #20 Dywidag Bars	Yes	1.00	0.000	2.72	0.60	0.00	5.885	0.185	1.254	0.00	16.63
93.00	(0) Angle Brackets	Yes	1.00	0.000	2.00	0.54	0.00	5.885	0.185	1.254	0.00	6.01
96.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.61	0.00	5.939	0.084	0.000	0.00	103.44
99.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.61	0.00	5.991	0.085	0.000	0.00	103.74
102.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.61	0.00	6.043	0.087	0.000	0.00	104.03
105.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.62	0.00	6.093	0.089	0.000	0.00	104.32
108.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.62	0.00	6.142	0.091	0.000	0.00	104.60
110.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.08	0.00	6.174	0.092	0.000	0.00	69.85
111.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.190	0.093	0.000	0.00	34.96
114.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.63	0.00	6.238	0.095	0.000	0.00	105.14
117.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.63	0.00	6.284	0.097	0.000	0.00	105.40
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.299	0.099	0.000	0.00	35.16
120.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.330	0.100	0.000	0.00	70.44
123.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.64	0.00	6.375	0.102	1.005	0.00	105.91
126.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.64	0.00	6.419	0.104	1.013	0.00	106.15
128.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.448	0.106	1.019	0.00	70.88
Totals:											1,294.22	7,586.28

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 30 Iterations

Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00

Dead Load Factor : 1.20 Ice Importance Factor : 1.00

Wind Load Factor : 1.00

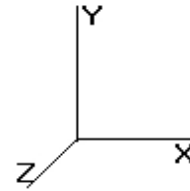
Applied Segment Forces Summary

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
3.00	80.15	1,070.27	0.00	0.00
6.00	89.52	1,159.41	0.00	0.00
9.00	94.42	1,205.93	0.00	0.00
12.00	94.62	1,210.55	0.00	0.00
15.00	94.65	1,212.15	0.00	0.00
18.00	94.57	1,211.78	0.00	0.00
21.00	94.40	1,210.01	0.00	0.00
24.00	94.18	1,207.18	0.00	0.00
27.00	93.91	1,203.52	0.00	0.00
30.00	93.68	1,199.17	0.00	0.00
33.00	96.85	1,588.24	0.00	0.00
34.00	58.82	639.43	0.00	4.43
34.33	10.08	173.27	0.00	0.00
35.00	39.48	410.83	0.00	0.00
36.00	30.59	362.81	0.00	0.00
39.00	93.66	1,085.18	0.00	0.00
42.00	95.18	1,079.74	0.00	0.00
45.00	96.55	1,074.04	0.00	0.00
48.00	97.81	1,068.08	0.00	0.00
51.00	98.96	1,061.91	0.00	0.00
54.00	100.01	1,055.55	0.00	0.00
57.00	100.97	1,049.01	0.00	0.00
60.00	101.85	1,042.30	0.00	0.00
63.00	102.64	1,035.45	0.00	0.00
66.00	103.37	1,028.46	0.00	0.00
69.00	104.02	1,021.35	0.00	0.00
70.00	34.65	339.01	0.00	0.00
72.00	70.27	850.33	0.00	0.00
73.58	55.75	669.49	0.00	0.00
75.00	50.00	450.14	0.00	0.00
78.00	106.58	948.06	0.00	0.00
81.00	107.02	941.66	0.00	0.00
84.00	107.40	935.18	0.00	0.00
85.00	35.74	310.50	0.00	0.00
87.00	71.73	484.98	0.00	0.00
90.00	108.03	721.56	0.00	0.00
93.00	55.52	636.29	0.00	0.00
96.00	55.13	589.69	0.00	0.00
99.00	54.72	582.33	0.00	0.00
102.0	54.28	574.91	0.00	0.00
105.0	53.82	567.44	0.00	0.00
108.0	53.33	559.93	0.00	0.00
110.0	35.22	369.42	0.00	0.00
111.0	17.50	167.19	0.00	0.00
114.0	52.28	496.16	0.00	0.00
117.0	51.72	489.63	0.00	0.00
118.0	357.90	1,464.96	0.00	0.00
120.0	33.99	311.19	0.00	0.00
123.0	50.55	460.74	0.00	0.00

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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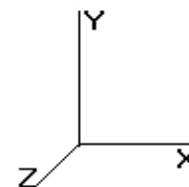
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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 30 Iterations
 Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20 Ice Importance Factor : 1.00
 Wind Load Factor : 1.00

126.0	49.93	454.11	0.00	0.00
128.0	177.79	1,499.48	0.00	0.00
129.0	16.32	113.31	0.00	0.00
132.0	48.63	334.12	0.00	0.00
135.0	47.95	327.16	0.00	0.00
138.0	612.96	6,725.07	0.00	0.00
141.0	46.55	302.35	0.00	0.00
144.0	45.82	295.32	0.00	0.00
147.0	45.08	288.26	0.00	0.00
150.0	1,011.99	7,597.57	0.00	1,328.95
Totals:	6,031.07	58,523.18	0.00	1,333.38

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	30 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

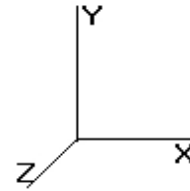
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-58.52	-6.05	0.00	-630.58	0.00	630.58	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.186
3.00	-57.45	-6.02	0.00	-612.41	0.00	612.41	3,033.07	1,516.54	4,391.91	2,169.00	0.01	-0.05	0.184
6.00	-56.28	-5.98	0.00	-594.35	0.00	594.35	3,007.36	1,503.68	4,298.09	2,122.66	0.06	-0.09	0.181
9.00	-55.07	-5.92	0.00	-576.42	0.00	576.42	2,981.31	1,490.65	4,204.74	2,076.56	0.13	-0.14	0.178
12.00	-53.86	-5.87	0.00	-558.65	0.00	558.65	2,954.90	1,477.45	4,111.88	2,030.70	0.24	-0.19	0.175
15.00	-52.64	-5.81	0.00	-541.05	0.00	541.05	2,928.15	1,464.08	4,019.55	1,985.10	0.37	-0.23	0.172
18.00	-51.42	-5.75	0.00	-523.61	0.00	523.61	2,901.06	1,450.53	3,927.75	1,939.77	0.53	-0.28	0.169
21.00	-50.21	-5.70	0.00	-506.34	0.00	506.34	2,873.62	1,436.81	3,836.52	1,894.71	0.72	-0.33	0.166
24.00	-49.00	-5.63	0.00	-489.26	0.00	489.26	2,845.83	1,422.91	3,745.85	1,849.94	0.94	-0.37	0.163
27.00	-47.79	-5.57	0.00	-472.36	0.00	472.36	2,808.40	1,404.20	3,643.74	1,799.51	1.19	-0.42	0.161
30.00	-46.59	-5.50	0.00	-455.65	0.00	455.65	2,768.14	1,384.07	3,539.40	1,747.98	1.47	-0.47	0.158
33.00	-45.00	-5.42	0.00	-439.14	0.00	439.14	2,727.87	1,363.94	3,436.57	1,697.20	1.77	-0.51	0.153
34.00	-44.36	-5.36	0.00	-433.71	0.00	433.71	2,714.45	1,357.23	3,402.64	1,680.43	1.88	-0.53	0.153
34.33	-44.18	-5.36	0.00	-431.93	0.00	431.93	2,189.30	1,094.65	2,807.96	1,386.75	1.92	-0.53	0.175
35.00	-43.77	-5.32	0.00	-428.36	0.00	428.36	2,184.88	1,092.44	2,793.14	1,379.43	2.00	-0.54	0.174
36.00	-43.41	-5.31	0.00	-423.03	0.00	423.03	2,178.20	1,089.10	2,770.95	1,368.47	2.11	-0.56	0.172
39.00	-42.32	-5.24	0.00	-407.09	0.00	407.09	2,157.96	1,078.98	2,704.57	1,335.69	2.48	-0.61	0.168
42.00	-41.24	-5.17	0.00	-391.36	0.00	391.36	2,137.36	1,068.68	2,638.53	1,303.07	2.88	-0.66	0.164
45.00	-40.16	-5.10	0.00	-375.84	0.00	375.84	2,116.42	1,058.21	2,572.85	1,270.63	3.30	-0.70	0.160
48.00	-39.09	-5.02	0.00	-360.55	0.00	360.55	2,095.13	1,047.57	2,507.54	1,238.38	3.76	-0.75	0.156
51.00	-38.02	-4.94	0.00	-345.50	0.00	345.50	2,073.50	1,036.75	2,442.62	1,206.32	4.25	-0.80	0.152
54.00	-36.96	-4.85	0.00	-330.69	0.00	330.69	2,051.52	1,025.76	2,378.11	1,174.46	4.77	-0.85	0.147
57.00	-35.91	-4.76	0.00	-316.14	0.00	316.14	2,029.19	1,014.59	2,314.04	1,142.82	5.31	-0.89	0.143
60.00	-34.87	-4.67	0.00	-301.85	0.00	301.85	2,006.52	1,003.26	2,250.42	1,111.40	5.89	-0.94	0.139
63.00	-33.83	-4.58	0.00	-287.84	0.00	287.84	1,983.49	991.75	2,187.27	1,080.21	6.50	-0.99	0.135
66.00	-32.80	-4.48	0.00	-274.10	0.00	274.10	1,955.12	977.56	2,119.18	1,046.58	7.13	-1.03	0.131
69.00	-31.78	-4.38	0.00	-260.65	0.00	260.65	1,921.56	960.78	2,046.64	1,010.76	7.79	-1.08	0.127
70.00	-31.44	-4.35	0.00	-256.27	0.00	256.27	1,910.38	955.19	2,022.75	998.96	8.02	-1.09	0.126
72.00	-30.59	-4.28	0.00	-247.57	0.00	247.57	1,888.01	944.00	1,975.37	975.56	8.48	-1.12	0.121
73.58	-29.92	-4.22	0.00	-240.80	0.00	240.80	1,431.12	715.56	1,520.26	750.80	8.86	-1.14	0.139
75.00	-29.47	-4.18	0.00	-234.82	0.00	234.82	1,423.89	711.94	1,499.92	740.75	9.20	-1.16	0.137
78.00	-28.52	-4.07	0.00	-222.30	0.00	222.30	1,408.31	704.16	1,457.00	719.56	9.94	-1.21	0.131
81.00	-27.58	-3.97	0.00	-210.08	0.00	210.08	1,392.39	696.19	1,414.32	698.48	10.72	-1.25	0.126
84.00	-26.64	-3.85	0.00	-198.18	0.00	198.18	1,376.12	688.06	1,371.90	677.53	11.52	-1.30	0.121
85.00	-26.33	-3.82	0.00	-194.33	0.00	194.33	1,370.62	685.31	1,357.82	670.57	11.79	-1.31	0.119
85.00	-26.33	-3.82	0.00	-194.33	0.00	194.33	1,370.62	685.31	1,357.82	670.57	11.79	-1.31	0.309
87.00	-25.84	-3.77	0.00	-186.69	0.00	186.69	1,359.50	679.75	1,329.75	656.71	12.35	-1.34	0.303
90.00	-25.12	-3.69	0.00	-175.39	0.00	175.39	1,342.54	671.27	1,287.89	636.04	13.23	-1.45	0.294
93.00	-24.48	-3.67	0.00	-164.31	0.00	164.31	1,325.23	662.62	1,246.34	615.52	14.18	-1.56	0.285
96.00	-23.88	-3.64	0.00	-153.31	0.00	153.31	1,307.58	653.79	1,205.13	595.17	15.19	-1.67	0.276
99.00	-23.29	-3.61	0.00	-142.39	0.00	142.39	1,289.58	644.79	1,164.26	574.99	16.28	-1.78	0.266
102.00	-22.71	-3.58	0.00	-131.55	0.00	131.55	1,271.23	635.61	1,123.77	554.99	17.44	-1.89	0.255
105.00	-22.14	-3.55	0.00	-120.81	0.00	120.81	1,248.50	624.25	1,080.18	533.46	18.66	-2.00	0.244
108.00	-21.58	-3.51	0.00	-110.16	0.00	110.16	1,221.66	610.83	1,033.97	510.64	19.95	-2.10	0.233
110.00	-21.21	-3.48	0.00	-103.14	0.00	103.14	1,203.76	601.88	1,003.72	495.70	20.84	-2.17	0.226
110.00	-21.21	-3.48	0.00	-103.14	0.00	103.14	829.79	414.89	696.16	343.81	20.84	-2.17	0.326
111.00	-21.04	-3.48	0.00	-99.67	0.00	99.67	826.22	413.11	687.98	339.77	21.30	-2.20	0.319
114.00	-20.54	-3.46	0.00	-89.21	0.00	89.21	815.28	407.64	663.53	327.69	22.72	-2.33	0.298
117.00	-20.05	-3.41	0.00	-78.84	0.00	78.84	803.99	402.00	639.21	315.68	24.22	-2.45	0.275
118.00	-18.59	-3.01	0.00	-75.43	0.00	75.43	800.15	400.08	631.14	311.70	24.74	-2.49	0.265
120.00	-18.28	-2.99	0.00	-69.41	0.00	69.41	792.36	396.18	615.05	303.75	25.80	-2.56	0.252

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev: 0.000 (ft)

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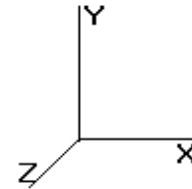
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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	30 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

123.00	-17.82	-2.95	0.00	-60.44	0.00	60.44	780.38	390.19	591.06	291.90	27.44	-2.67	0.230
126.00	-17.36	-2.91	0.00	-51.58	0.00	51.58	768.05	384.03	567.27	280.15	29.15	-2.77	0.207
128.00	-15.87	-2.67	0.00	-45.77	0.00	45.77	759.64	379.82	551.53	272.38	30.33	-2.83	0.189
129.00	-15.76	-2.66	0.00	-43.10	0.00	43.10	755.38	377.69	543.69	268.51	30.93	-2.86	0.181
132.00	-15.42	-2.62	0.00	-35.12	0.00	35.12	742.36	371.18	520.35	256.98	32.75	-2.95	0.157
135.00	-15.09	-2.57	0.00	-27.27	0.00	27.27	728.99	364.50	497.26	245.58	34.62	-3.02	0.132
138.00	-8.41	-1.61	0.00	-19.56	0.00	19.56	715.28	357.64	474.45	234.31	36.54	-3.07	0.095
141.00	-8.11	-1.55	0.00	-14.75	0.00	14.75	697.56	348.78	449.56	222.02	38.48	-3.12	0.078
144.00	-7.82	-1.49	0.00	-10.10	0.00	10.10	677.43	338.71	423.84	209.32	40.45	-3.15	0.060
147.00	-7.53	-1.43	0.00	-5.63	0.00	5.63	657.30	328.65	398.87	196.99	42.44	-3.18	0.040
150.00	0.00	-1.01	0.00	-1.33	0.00	1.33	637.16	318.58	374.66	185.03	44.44	-3.19	0.007

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 28 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

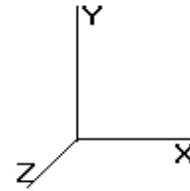
Shaft Segment Forces (Factored)

Seg Top	Elev (ft)	Description	Kzt	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		1.00	0.70	6.129	6.742	155.91	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
	3.00		1.00	0.70	6.129	6.742	153.95	1.200	* 0.000	3.00	9.259	11.11	74.9	0.0	636.7
	6.00		1.00	0.70	6.129	6.742	151.99	1.200	* 0.000	3.00	9.142	10.97	74.0	0.0	631.2
	9.00		1.00	0.70	6.129	6.742	150.03	1.200	* 0.000	3.00	9.025	10.83	73.0	0.0	625.6
	12.00		1.00	0.70	6.129	6.742	148.07	1.200	* 0.000	3.00	8.908	10.69	72.1	0.0	620.0
	15.00		1.00	0.70	6.129	6.742	146.11	1.200	* 0.000	3.00	8.791	10.55	71.1	0.0	614.4
	18.00		1.00	0.70	6.129	6.742	144.15	1.200	* 0.000	3.00	8.673	10.41	70.2	0.0	608.9
	21.00		1.00	0.70	6.129	6.742	142.19	1.200	* 0.000	3.00	8.556	10.27	69.2	0.0	603.3
	24.00		1.00	0.70	6.129	6.742	140.23	1.200	* 0.000	3.00	8.439	10.13	68.3	0.0	597.7
	27.00		1.00	0.70	6.129	6.742	138.27	1.200	* 0.000	3.00	8.322	9.99	67.3	0.0	592.1
	30.00	Bot - Section 2	1.00	0.70	6.134	6.747	136.37	1.200	* 0.000	3.00	8.205	9.85	66.4	0.0	586.5
	33.00		1.00	0.72	6.303	6.933	136.25	1.200	* 0.000	3.00	8.250	9.90	68.6	0.0	905.2
	34.00	Appertunance(s)	1.00	0.72	6.357	6.993	136.17	1.200	* 0.000	1.00	2.724	3.27	22.9	0.0	299.5
	34.33	Top - Section 1	1.00	0.72	6.375	7.012	136.14	1.200	* 0.000	0.33	0.905	1.09	7.6	0.0	99.6
	35.00	Appertunance(s)	1.00	0.73	6.410	7.051	138.84	1.200	* 0.000	0.67	1.806	2.17	15.3	0.0	115.5
	36.00		1.00	0.73	6.462	7.108	138.73	1.200	* 0.000	1.00	2.698	3.24	23.0	0.0	172.8
	39.00		1.00	0.75	6.611	7.272	138.29	1.200	* 0.000	3.00	8.016	9.62	70.0	0.0	515.3
	42.00		1.00	0.77	6.753	7.428	137.70	1.200	* 0.000	3.00	7.899	9.48	70.4	0.0	510.7
	45.00		1.00	0.78	6.887	7.576	136.99	1.200	* 0.000	3.00	7.781	9.34	70.7	0.0	506.0
	48.00		1.00	0.80	7.015	7.717	136.16	1.200	* 0.000	3.00	7.664	9.20	71.0	0.0	501.4
	51.00		1.00	0.81	7.138	7.852	135.23	1.200	* 0.000	3.00	7.547	9.06	71.1	0.0	496.7
	54.00		1.00	0.82	7.255	7.981	134.21	1.200	* 0.000	3.00	7.430	8.92	71.2	0.0	492.1
	57.00		1.00	0.84	7.368	8.105	133.10	1.200	* 0.000	3.00	7.313	8.78	71.1	0.0	487.4
	60.00		1.00	0.85	7.477	8.225	131.92	1.200	* 0.000	3.00	7.196	8.64	71.0	0.0	482.8
	63.00		1.00	0.86	7.582	8.340	130.66	1.200	* 0.000	3.00	7.079	8.49	70.8	0.0	478.1
	66.00		1.00	0.87	7.684	8.452	129.34	1.200	* 0.000	3.00	6.962	8.35	70.6	0.0	473.5
	69.00		1.00	0.88	7.782	8.560	127.95	1.200	* 0.000	3.00	6.845	8.21	70.3	0.0	468.8
	70.00	Bot - Section 3	1.00	0.89	7.814	8.595	127.48	1.200	* 0.000	1.00	2.255	2.71	23.3	0.0	155.2
	72.00		1.00	0.90	7.877	8.665	126.51	1.200	* 0.000	2.00	4.559	5.47	47.4	0.0	452.3
	73.58	Top - Section 2	1.00	0.90	7.926	8.719	125.73	1.200	* 0.000	1.58	3.572	4.29	37.4	0.0	355.4
	75.00		1.00	0.91	7.969	8.766	127.49	1.200	* 0.000	1.42	3.168	3.80	33.3	0.0	194.3
	78.00		1.00	0.92	8.059	8.865	125.96	1.200	* 0.000	3.00	6.623	7.95	70.5	0.0	408.6
	81.00		1.00	0.93	8.147	8.961	124.38	1.200	* 0.000	3.00	6.506	7.81	70.0	0.0	404.9
	84.00		1.00	0.94	8.232	9.055	122.76	1.200	* 0.000	3.00	6.389	7.67	69.4	0.0	401.2
	85.00	Reinf. Top	1.00	0.94	8.260	9.086	122.20	1.200	* 0.000	1.00	2.104	2.52	22.9	0.0	132.9
	87.00		1.00	0.95	8.315	9.146	121.09	1.200	* 0.000	2.00	4.168	5.00	45.7	0.0	131.0
	90.00		1.00	0.95	8.396	9.235	119.38	1.200	* 0.000	3.00	6.155	7.39	68.2	0.0	193.4
	93.00		1.00	0.96	8.475	9.322	117.64	1.000	* 0.000	3.00	6.037	6.04	56.3	0.0	189.6
	96.00		1.00	0.97	8.552	9.407	115.86	1.000	0.000	3.00	5.920	5.92	55.7	0.0	185.9
	99.00		1.00	0.98	8.627	9.490	114.05	1.000	0.000	3.00	5.803	5.80	55.1	0.0	182.2
	102.0		1.00	0.99	8.701	9.571	112.20	1.000	0.000	3.00	5.686	5.69	54.4	0.0	178.5
	105.0		1.00	1.00	8.774	9.651	110.32	1.000	0.000	3.00	5.569	5.57	53.7	0.0	174.8
	108.0		1.00	1.01	8.845	9.729	108.41	1.000	0.000	3.00	5.452	5.45	53.0	0.0	171.0
	110.0	Top - Section 3	1.00	1.01	8.891	9.780	107.12	1.000	0.000	2.00	3.569	3.57	34.9	0.0	112.0
	111.0		1.00	1.01	8.914	9.805	106.48	1.000	0.000	1.00	1.765	1.77	17.3	0.0	41.7
	114.0		1.00	1.02	8.982	9.880	104.51	1.000	0.000	3.00	5.218	5.22	51.6	0.0	123.1
	117.0		1.00	1.03	9.049	9.954	102.52	1.000	0.000	3.00	5.101	5.10	50.8	0.0	120.3
	118.0	Appertunance(s)	1.00	1.03	9.071	9.978	101.85	1.000	0.000	1.00	1.674	1.67	16.7	0.0	39.5
	120.0		1.00	1.04	9.115	10.02	100.50	1.000	0.000	2.00	3.309	3.31	33.2	0.0	78.0
	123.0		1.00	1.04	9.179	10.09	98.461	1.000	* 0.000	3.00	4.867	4.87	49.1	0.0	114.7
	126.0		1.00	1.05	9.243	10.16	96.395	1.000	* 0.000	3.00	4.749	4.75	48.3	0.0	111.9

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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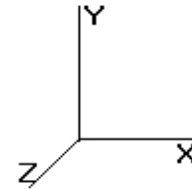
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Load Case: 1.0D + 1.0W	60.00 mph Serviceability	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

128.0	Appertunance(s)	1.00	1.06	9.284	10.21	95.004	1.000	*	0.000	2.00	3.101	3.10	31.7	0.0	73.1
129.0		1.00	1.06	9.305	10.23	94.305	1.000		0.000	1.00	1.531	1.53	15.7	0.0	36.1
132.0		1.00	1.07	9.366	10.30	92.193	1.000		0.000	3.00	4.515	4.52	46.5	0.0	106.4
135.0		1.00	1.07	9.427	10.36	90.060	1.000		0.000	3.00	4.398	4.40	45.6	0.0	103.6
138.0	Appertunance(s)	1.00	1.08	9.486	10.43	87.905	1.000		0.000	3.00	4.281	4.28	44.7	0.0	100.8
141.0		1.00	1.09	9.545	10.49	85.731	1.000		0.000	3.00	4.164	4.16	43.7	0.0	98.0
144.0		1.00	1.09	9.602	10.56	83.536	1.000		0.000	3.00	4.047	4.05	42.7	0.0	95.2
147.0		1.00	1.10	9.659	10.62	81.323	1.000		0.000	3.00	3.930	3.93	41.8	0.0	92.4
150.0	Appertunance(s)	1.00	1.11	9.715	10.68	79.091	1.000		0.000	3.00	3.813	3.81	40.7	0.0	89.6
* = Cf Adjusted By Linear Load Ra Effect									Totals:		150.00		3,093.4	0.0	18,569.6

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 28 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.00

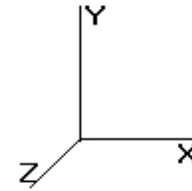
Wind Load Factor : 1.00

Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
34.00	GPS	1	6.384	7.022	1.00	1.00	1.00	0.000	0.500	7.02	0.00	3.51	10.00
34.00	Stand-off	1	6.357	6.993	1.00	1.00	2.00	0.000	0.000	13.99	0.00	0.00	50.00
35.00	PCTEL GPS-TMG-HR-	1	6.410	7.051	1.00	1.00	0.09	0.000	0.000	0.63	0.00	0.00	0.60
35.00	Stand-off	1	6.410	7.051	1.00	1.00	2.00	0.000	0.000	14.10	0.00	0.00	50.00
118.0	Argus LLPX310R	3	9.071	9.978	0.69	0.80	8.00	0.000	0.000	79.81	0.00	0.00	85.80
118.0	Clearwire Mount	1	9.071	9.978	1.00	1.00	8.50	0.000	0.000	84.82	0.00	0.00	40.00
118.0	DragonWave A-ANT-	1	9.071	9.978	1.00	1.00	1.61	0.000	0.000	16.07	0.00	0.00	15.00
118.0	DragonWave A-ANT-	2	9.071	9.978	0.90	1.00	8.44	0.000	0.000	84.24	0.00	0.00	24.60
118.0	DragonWave Horizon	3	9.071	9.978	0.50	0.80	0.52	0.000	0.000	5.15	0.00	0.00	31.80
118.0	Generic 12" x 12" Ju	1	9.071	9.978	1.00	1.00	1.40	0.000	0.000	13.97	0.00	0.00	10.00
118.0	NextNet BTS-2500	3	9.071	9.978	0.73	0.80	3.71	0.000	0.000	37.06	0.00	0.00	105.00
128.0	Flush Mounts	1	9.284	10.213	1.00	1.00	3.50	0.000	0.000	35.75	0.00	0.00	200.00
128.0	RFS APXV18-206517S-	3	9.284	10.213	0.74	0.80	9.16	0.000	0.000	93.59	0.00	0.00	79.20
138.0	Alcatel-Lucent 4X40W	6	9.486	10.435	0.50	1.00	8.13	0.000	0.000	84.83	0.00	0.00	357.00
138.0	Alcatel-Lucent 800 M	3	9.486	10.435	0.50	1.00	4.37	0.000	0.000	45.55	0.00	0.00	185.40
138.0	RFS APXV9ERR18-C-	2	9.486	10.435	0.83	0.80	10.97	0.000	0.000	114.46	0.00	0.00	124.00
138.0	RFS APXSPP18-C-	1	9.486	10.435	0.83	0.80	5.48	0.000	0.000	57.23	0.00	0.00	57.00
138.0	RFS IBC1900BB-1	3	9.486	10.435	0.50	0.80	1.36	0.000	0.000	14.15	0.00	0.00	66.00
138.0	RFS IBC1900HG-2A	3	9.486	10.435	0.50	0.80	1.36	0.000	0.000	14.15	0.00	0.00	66.00
138.0	T-Arms	3	9.486	10.435	0.75	0.75	10.13	0.000	0.000	105.65	0.00	0.00	750.00
138.0	RFS APXVTM14-C-I20	3	9.486	10.435	0.83	0.75	12.89	0.000	0.000	134.46	0.00	0.00	158.70
138.0	Alcatel-Lucent TD-RR	3	9.486	10.435	0.50	1.00	3.18	0.000	0.000	33.18	0.00	0.00	180.00
150.0	6' Omni	1	9.715	10.686	1.00	1.00	1.77	0.000	0.000	18.91	0.00	0.00	35.00
150.0	ADC DD1900	6	9.770	10.747	0.50	0.80	3.07	0.000	3.000	33.01	0.00	99.04	72.60
150.0	CSS DUO4-8670	6	9.770	10.747	0.82	0.80	25.94	0.000	3.000	278.76	0.00	836.27	231.00
150.0	Ericsson RRUS 11	6	9.733	10.707	0.71	0.80	10.02	0.000	1.000	107.28	0.00	107.28	330.00
150.0	Kathrein 860 10025	6	9.770	10.747	1.00	1.00	1.08	0.000	3.000	11.61	0.00	34.82	7.20
150.0	KMW AM-X-CD-16-65-	3	9.770	10.747	0.75	0.80	14.87	0.000	3.000	159.79	0.00	479.36	145.50
150.0	Platform	1	9.715	10.686	1.00	1.00	30.00	0.000	0.000	320.59	0.00	0.00	1,800.00
150.0	Raycap DC6-48-60-18-	1	9.733	10.707	1.00	1.00	1.47	0.000	1.000	15.74	0.00	15.74	31.80
										2,035.54			5,299.20

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 28 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.00

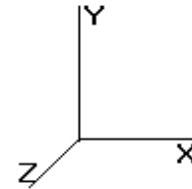
Wind Load Factor : 1.00

Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
3.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.201	0.000	5.50	0.00
3.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.201	0.000	5.50	0.00
3.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.129	0.201	0.000	4.04	0.00
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.201	0.000	0.00	0.45
6.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	6.129	0.251	0.000	2.67	9.84
6.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.251	0.000	5.50	0.00
6.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.251	0.000	5.50	0.00
6.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.129	0.251	0.000	4.04	0.00
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.251	0.000	0.00	0.45
6.00	(1) 1/2" Coax	Yes	2.00	1.200	0.63	0.10	0.13	6.129	0.251	0.000	0.85	0.30
9.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.129	0.278	0.000	4.00	14.76
9.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.278	0.000	5.50	0.00
9.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.278	0.000	5.50	0.00
9.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.129	0.278	0.000	4.04	0.00
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.278	0.000	0.00	0.45
9.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	6.129	0.278	0.000	1.27	0.45
12.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.129	0.282	0.000	4.00	14.76
12.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.282	0.000	5.50	0.00
12.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.282	0.000	5.50	0.00
12.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.129	0.282	0.000	4.04	0.00
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.282	0.000	0.00	0.45
12.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	6.129	0.282	0.000	1.27	0.45
15.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.129	0.286	0.000	4.00	14.76
15.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.286	0.000	5.50	0.00
15.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.286	0.000	5.50	0.00
15.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.129	0.286	0.000	4.04	0.00
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.286	0.000	0.00	0.45
15.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	6.129	0.286	0.000	1.27	0.45
18.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.129	0.290	0.000	4.00	14.76
18.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.290	0.000	5.50	0.00
18.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.290	0.000	5.50	0.00
18.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.129	0.290	0.000	4.04	0.00
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.290	0.000	0.00	0.45
18.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	6.129	0.290	0.000	1.27	0.45
21.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.129	0.294	0.000	4.00	14.76
21.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.294	0.000	5.50	0.00
21.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.294	0.000	5.50	0.00
21.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.129	0.294	0.000	4.04	0.00
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.294	0.000	0.00	0.45
21.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	6.129	0.294	0.000	1.27	0.45
24.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.129	0.298	0.000	4.00	14.76
24.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.298	0.000	5.50	0.00
24.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.298	0.000	5.50	0.00
24.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.129	0.298	0.000	4.04	0.00
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.298	0.000	0.00	0.45
24.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	6.129	0.298	0.000	1.27	0.45
27.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.129	0.302	0.000	4.00	14.76
27.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.302	0.000	5.50	0.00
27.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.129	0.302	0.000	5.50	0.00
27.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.129	0.302	0.000	4.04	0.00
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.302	0.000	0.00	0.45

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



12/20/2013 1:42:42 PM
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Load Case: 1.0D + 1.0W **60.00 mph Serviceability** **28 Iterations**

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

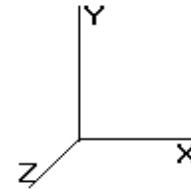
Dead Load Factor : 1.00

Wind Load Factor : 1.00

27.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	6.129	0.302	0.000	1.27	0.45
30.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.49	0.59	6.134	0.306	0.000	4.01	14.76
30.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.134	0.306	0.000	5.51	0.00
30.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.134	0.306	0.000	5.51	0.00
30.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.134	0.306	0.000	4.05	0.00
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.134	0.306	0.000	0.00	0.45
30.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	6.134	0.306	0.000	1.28	0.45
33.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.303	0.311	0.000	4.12	14.76
33.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.303	0.311	0.000	5.66	0.00
33.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.303	0.311	0.000	5.66	0.00
33.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.303	0.311	0.000	4.16	0.00
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.303	0.311	0.000	0.00	0.45
33.00	(1) 1/2" Coax	Yes	3.00	1.200	0.63	0.16	0.19	6.303	0.311	0.000	1.31	0.45
34.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.357	0.314	0.000	1.38	4.92
34.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	6.357	0.314	0.000	1.90	0.00
34.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	6.357	0.314	0.000	1.90	0.00
34.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	6.357	0.314	0.000	1.40	0.00
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.357	0.314	0.000	0.00	0.15
34.00	(1) 1/2" Coax	Yes	1.00	1.200	0.63	0.05	0.06	6.357	0.314	0.000	0.44	0.15
34.33	(6) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	6.375	0.295	0.000	0.46	1.64
34.33	(2) #20 Dywidag Bars	Yes	0.33	1.200	2.72	0.08	0.09	6.375	0.295	0.000	0.64	0.00
34.33	(2) #20 Dywidag Bars	Yes	0.33	1.200	2.72	0.08	0.09	6.375	0.295	0.000	0.64	0.00
34.33	(0) Angle Brackets	Yes	0.33	1.200	2.00	0.06	0.07	6.375	0.295	0.000	0.47	0.00
34.33	(1) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	6.375	0.295	0.000	0.00	0.05
35.00	(6) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	6.410	0.290	0.000	0.93	3.28
35.00	(2) #20 Dywidag Bars	Yes	0.67	1.200	2.72	0.15	0.18	6.410	0.290	0.000	1.28	0.00
35.00	(2) #20 Dywidag Bars	Yes	0.67	1.200	2.72	0.15	0.18	6.410	0.290	0.000	1.28	0.00
35.00	(0) Angle Brackets	Yes	0.67	1.200	2.00	0.11	0.13	6.410	0.290	0.000	0.94	0.00
35.00	(1) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	6.410	0.290	0.000	0.00	0.10
36.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.462	0.291	0.000	1.41	4.92
36.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	6.462	0.291	0.000	1.93	0.00
36.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	6.462	0.291	0.000	1.93	0.00
36.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	6.462	0.291	0.000	1.42	0.00
39.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.611	0.294	0.000	4.32	14.76
39.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.611	0.294	0.000	5.93	0.00
39.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.611	0.294	0.000	5.93	0.00
39.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.611	0.294	0.000	4.36	0.00
42.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.753	0.298	0.000	4.41	14.76
42.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.753	0.298	0.000	6.06	0.00
42.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.753	0.298	0.000	6.06	0.00
42.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.753	0.298	0.000	4.46	0.00
45.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	6.887	0.303	0.000	4.50	14.76
45.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.887	0.303	0.000	6.18	0.00
45.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	6.887	0.303	0.000	6.18	0.00
45.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	6.887	0.303	0.000	4.55	0.00
48.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	7.015	0.307	0.000	4.58	14.76
48.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.015	0.307	0.000	6.30	0.00
48.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.015	0.307	0.000	6.30	0.00
48.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	7.015	0.307	0.000	4.63	0.00
51.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	7.138	0.312	0.000	4.66	14.76
51.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.138	0.312	0.000	6.41	0.00
51.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.138	0.312	0.000	6.41	0.00
51.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	7.138	0.312	0.000	4.71	0.00
54.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	7.255	0.317	0.000	4.74	14.76
54.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.255	0.317	0.000	6.51	0.00
54.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.255	0.317	0.000	6.51	0.00
54.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	7.255	0.317	0.000	4.79	0.00

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



Load Case: 1.0D + 1.0W 60.00 mph Serviceability 28 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.00

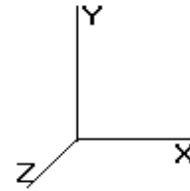
Wind Load Factor : 1.00

57.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	7.368	0.322	0.000	4.81	14.76
57.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.368	0.322	0.000	6.61	0.00
57.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.368	0.322	0.000	6.61	0.00
57.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	7.368	0.322	0.000	4.86	0.00
60.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	7.477	0.327	0.000	4.89	14.76
60.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.477	0.327	0.000	6.71	0.00
60.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.477	0.327	0.000	6.71	0.00
60.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	7.477	0.327	0.000	4.93	0.00
63.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	7.582	0.333	0.000	4.95	14.76
63.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.582	0.333	0.000	6.81	0.00
63.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.582	0.333	0.000	6.81	0.00
63.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	7.582	0.333	0.000	5.00	0.00
66.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	7.684	0.338	0.000	5.02	14.76
66.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.684	0.338	0.000	6.90	0.00
66.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.684	0.338	0.000	6.90	0.00
66.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	7.684	0.338	0.000	5.07	0.00
69.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	7.782	0.344	0.000	5.08	14.76
69.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.782	0.344	0.000	6.98	0.00
69.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	7.782	0.344	0.000	6.98	0.00
69.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	7.782	0.344	0.000	5.14	0.00
70.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	7.814	0.348	0.000	1.70	4.92
70.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	7.814	0.348	0.000	2.34	0.00
70.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	7.814	0.348	0.000	2.34	0.00
70.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	7.814	0.348	0.000	1.72	0.00
72.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	7.877	0.351	0.000	3.43	9.84
72.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	7.877	0.351	0.000	4.71	0.00
72.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	7.877	0.351	0.000	4.71	0.00
72.00	(0) Angle Brackets	Yes	2.00	1.200	2.00	0.33	0.40	7.877	0.351	0.000	3.47	0.00
73.58	(6) 1 5/8" Coax	Yes	1.58	1.200	1.98	0.26	0.31	7.926	0.355	0.000	2.73	7.79
73.58	(2) #20 Dywidag Bars	Yes	1.58	1.200	2.72	0.36	0.43	7.926	0.355	0.000	3.75	0.00
73.58	(2) #20 Dywidag Bars	Yes	1.58	1.200	2.72	0.36	0.43	7.926	0.355	0.000	3.75	0.00
73.58	(0) Angle Brackets	Yes	1.58	1.200	2.00	0.26	0.32	7.926	0.355	0.000	2.76	0.00
75.00	(6) 1 5/8" Coax	Yes	1.42	1.200	1.98	0.23	0.28	7.969	0.351	0.000	2.46	6.97
75.00	(2) #20 Dywidag Bars	Yes	1.42	1.200	2.72	0.32	0.39	7.969	0.351	0.000	3.38	0.00
75.00	(2) #20 Dywidag Bars	Yes	1.42	1.200	2.72	0.32	0.39	7.969	0.351	0.000	3.38	0.00
75.00	(0) Angle Brackets	Yes	1.42	1.200	2.00	0.24	0.28	7.969	0.351	0.000	2.48	0.00
78.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	8.059	0.356	0.000	5.27	14.76
78.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	8.059	0.356	0.000	7.23	0.00
78.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	8.059	0.356	0.000	7.23	0.00
78.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	8.059	0.356	0.000	5.32	0.00
81.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	8.147	0.362	0.000	5.32	14.76
81.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	8.147	0.362	0.000	7.31	0.00
81.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	8.147	0.362	0.000	7.31	0.00
81.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	8.147	0.362	0.000	5.38	0.00
84.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	8.232	0.369	0.000	5.38	14.76
84.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	8.232	0.369	0.000	7.39	0.00
84.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	8.232	0.369	0.000	7.39	0.00
84.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	8.232	0.369	0.000	5.43	0.00
85.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.260	0.373	0.000	1.80	4.92
85.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	8.260	0.373	0.000	2.47	0.00
85.00	(2) #20 Dywidag Bars	Yes	1.00	1.200	2.72	0.23	0.27	8.260	0.373	0.000	2.47	0.00
85.00	(0) Angle Brackets	Yes	1.00	1.200	2.00	0.17	0.20	8.260	0.373	0.000	1.82	0.00
87.00	(6) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	8.315	0.377	0.000	3.62	9.84
87.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	8.315	0.377	0.000	4.98	0.00
87.00	(2) #20 Dywidag Bars	Yes	2.00	1.200	2.72	0.45	0.54	8.315	0.377	0.000	4.98	0.00
87.00	(0) Angle Brackets	Yes	2.00	1.200	2.00	0.33	0.40	8.315	0.377	0.000	3.66	0.00
90.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	8.396	0.383	0.000	5.49	14.76

Pole : 302473
 Location : EHFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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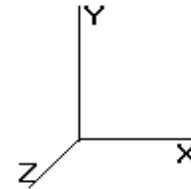
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

90.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	8.396	0.383	0.000	7.54	0.00
90.00	(2) #20 Dywidag Bars	Yes	3.00	1.200	2.72	0.68	0.82	8.396	0.383	0.000	7.54	0.00
90.00	(0) Angle Brackets	Yes	3.00	1.200	2.00	0.50	0.60	8.396	0.383	0.000	5.54	0.00
93.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.475	0.185	1.254	0.00	14.76
93.00	(2) #20 Dywidag Bars	Yes	1.00	0.000	2.72	0.23	0.00	8.475	0.185	1.254	0.00	0.00
93.00	(2) #20 Dywidag Bars	Yes	1.00	0.000	2.72	0.23	0.00	8.475	0.185	1.254	0.00	0.00
93.00	(0) Angle Brackets	Yes	1.00	0.000	2.00	0.17	0.00	8.475	0.185	1.254	0.00	0.00
96.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.552	0.084	0.000	0.00	14.76
99.00	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.627	0.085	0.000	0.00	14.76
102.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.701	0.087	0.000	0.00	14.76
105.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.774	0.089	0.000	0.00	14.76
108.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.845	0.091	0.000	0.00	14.76
110.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.891	0.092	0.000	0.00	9.84
111.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.914	0.093	0.000	0.00	4.92
114.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.982	0.095	0.000	0.00	14.76
117.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	9.049	0.097	0.000	0.00	14.76
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.071	0.099	0.000	0.00	4.92
120.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.115	0.100	0.000	0.00	9.84
123.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	9.179	0.102	1.005	0.00	14.76
126.0	(6) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	9.243	0.104	1.013	0.00	14.76
128.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.284	0.106	1.019	0.00	9.84
Totals:											661.77	619.76

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 28 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.00

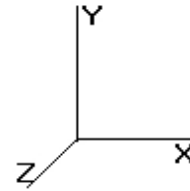
Wind Load Factor : 1.00

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
3.00	89.95	664.52	0.00	0.00
6.00	92.52	677.83	0.00	0.00
9.00	93.33	681.69	0.00	0.00
12.00	92.39	676.11	0.00	0.00
15.00	91.44	670.54	0.00	0.00
18.00	90.49	664.96	0.00	0.00
21.00	89.55	659.38	0.00	0.00
24.00	88.60	653.81	0.00	0.00
27.00	87.65	648.23	0.00	0.00
30.00	86.78	642.65	0.00	0.00
33.00	89.55	961.30	0.00	0.00
34.00	50.89	378.16	0.00	3.51
34.33	9.82	105.74	0.00	0.00
35.00	34.45	178.46	0.00	0.00
36.00	29.71	191.20	0.00	0.00
39.00	90.50	570.51	0.00	0.00
42.00	91.40	565.87	0.00	0.00
45.00	92.15	561.22	0.00	0.00
48.00	92.78	556.57	0.00	0.00
51.00	93.30	551.93	0.00	0.00
54.00	93.71	547.28	0.00	0.00
57.00	94.03	542.63	0.00	0.00
60.00	94.27	537.98	0.00	0.00
63.00	94.42	533.34	0.00	0.00
66.00	94.49	528.69	0.00	0.00
69.00	94.50	524.04	0.00	0.00
70.00	31.36	173.64	0.00	0.00
72.00	63.72	489.13	0.00	0.00
73.58	50.37	384.56	0.00	0.00
75.00	45.03	220.33	0.00	0.00
78.00	95.51	463.82	0.00	0.00
81.00	95.28	460.11	0.00	0.00
84.00	95.01	456.39	0.00	0.00
85.00	31.49	151.30	0.00	0.00
87.00	62.98	167.77	0.00	0.00
90.00	94.30	248.55	0.00	0.00
93.00	56.28	244.84	0.00	0.00
96.00	55.69	241.12	0.00	0.00
99.00	55.07	237.40	0.00	0.00
102.0	54.42	233.68	0.00	0.00
105.0	53.75	229.96	0.00	0.00
108.0	53.04	226.25	0.00	0.00
110.0	34.91	148.76	0.00	0.00
111.0	17.31	60.05	0.00	0.00
114.0	51.55	178.29	0.00	0.00
117.0	50.77	175.51	0.00	0.00
118.0	337.81	370.08	0.00	0.00
120.0	33.18	106.09	0.00	0.00
123.0	49.14	156.82	0.00	0.00

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



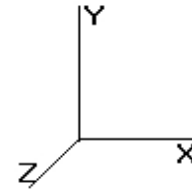
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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 28 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

126.0	48.29	154.03	0.00	0.00
128.0	161.01	380.34	0.00	0.00
129.0	15.67	45.18	0.00	0.00
132.0	46.52	133.70	0.00	0.00
135.0	45.61	130.91	0.00	0.00
138.0	648.34	2,072.22	0.00	0.00
141.0	43.72	116.33	0.00	0.00
144.0	42.75	113.54	0.00	0.00
147.0	41.75	110.75	0.00	0.00
150.0	986.43	2,761.07	0.00	1,572.51
Totals:	5,790.75	26,317.15	0.00	1,576.02

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

28 Iterations

Gust Response Factor : 1.10
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

Wind Importance Factor : 1.00

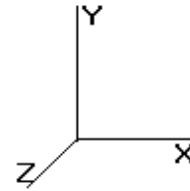
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-26.31	-5.80	0.00	-555.27	0.00	555.27	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.159
3.00	-25.65	-5.73	0.00	-537.87	0.00	537.87	3,033.07	1,516.54	4,391.91	2,169.00	0.01	-0.04	0.156
6.00	-24.96	-5.65	0.00	-520.69	0.00	520.69	3,007.36	1,503.68	4,298.09	2,122.66	0.05	-0.08	0.153
9.00	-24.28	-5.57	0.00	-503.74	0.00	503.74	2,981.31	1,490.65	4,204.74	2,076.56	0.12	-0.12	0.150
12.00	-23.60	-5.50	0.00	-487.02	0.00	487.02	2,954.90	1,477.45	4,111.88	2,030.70	0.21	-0.16	0.147
15.00	-22.93	-5.42	0.00	-470.53	0.00	470.53	2,928.15	1,464.08	4,019.55	1,985.10	0.32	-0.20	0.145
18.00	-22.26	-5.34	0.00	-454.27	0.00	454.27	2,901.06	1,450.53	3,927.75	1,939.77	0.46	-0.24	0.142
21.00	-21.59	-5.26	0.00	-438.24	0.00	438.24	2,873.62	1,436.81	3,836.52	1,894.71	0.63	-0.28	0.139
24.00	-20.94	-5.19	0.00	-422.45	0.00	422.45	2,845.83	1,422.91	3,745.85	1,849.94	0.82	-0.32	0.136
27.00	-20.29	-5.11	0.00	-406.88	0.00	406.88	2,808.40	1,404.20	3,643.74	1,799.51	1.04	-0.36	0.133
30.00	-19.64	-5.03	0.00	-391.55	0.00	391.55	2,768.14	1,384.07	3,539.40	1,747.98	1.28	-0.41	0.131
33.00	-18.68	-4.94	0.00	-376.46	0.00	376.46	2,727.87	1,363.94	3,436.57	1,697.20	1.55	-0.44	0.127
34.00	-18.30	-4.89	0.00	-371.51	0.00	371.51	2,714.45	1,357.23	3,402.64	1,680.43	1.64	-0.46	0.126
34.33	-18.19	-4.89	0.00	-369.88	0.00	369.88	2,189.30	1,094.65	2,807.96	1,386.75	1.67	-0.46	0.144
35.00	-18.01	-4.85	0.00	-366.62	0.00	366.62	2,184.88	1,092.44	2,793.14	1,379.43	1.74	-0.47	0.143
36.00	-17.82	-4.83	0.00	-361.77	0.00	361.77	2,178.20	1,089.10	2,770.95	1,368.47	1.84	-0.49	0.142
39.00	-17.25	-4.75	0.00	-347.28	0.00	347.28	2,157.96	1,078.98	2,704.57	1,335.69	2.16	-0.53	0.138
42.00	-16.68	-4.66	0.00	-333.04	0.00	333.04	2,137.36	1,068.68	2,638.53	1,303.07	2.50	-0.57	0.134
45.00	-16.12	-4.58	0.00	-319.05	0.00	319.05	2,116.42	1,058.21	2,572.85	1,270.63	2.87	-0.61	0.131
48.00	-15.56	-4.49	0.00	-305.32	0.00	305.32	2,095.13	1,047.57	2,507.54	1,238.38	3.27	-0.65	0.127
51.00	-15.00	-4.40	0.00	-291.86	0.00	291.86	2,073.50	1,036.75	2,442.62	1,206.32	3.69	-0.69	0.123
54.00	-14.45	-4.31	0.00	-278.66	0.00	278.66	2,051.52	1,025.76	2,378.11	1,174.46	4.14	-0.73	0.119
57.00	-13.91	-4.22	0.00	-265.74	0.00	265.74	2,029.19	1,014.59	2,314.04	1,142.82	4.61	-0.77	0.116
60.00	-13.37	-4.12	0.00	-253.09	0.00	253.09	2,006.52	1,003.26	2,250.42	1,111.40	5.10	-0.81	0.112
63.00	-12.84	-4.03	0.00	-240.72	0.00	240.72	1,983.49	991.75	2,187.27	1,080.21	5.62	-0.85	0.108
66.00	-12.31	-3.94	0.00	-228.63	0.00	228.63	1,955.12	977.56	2,119.18	1,046.58	6.17	-0.88	0.105
69.00	-11.78	-3.84	0.00	-216.82	0.00	216.82	1,921.56	960.78	2,046.64	1,010.76	6.73	-0.92	0.101
70.00	-11.61	-3.81	0.00	-212.99	0.00	212.99	1,910.38	955.19	2,022.75	998.96	6.93	-0.93	0.100
72.00	-11.12	-3.74	0.00	-205.37	0.00	205.37	1,888.01	944.00	1,975.37	975.56	7.32	-0.96	0.096
73.58	-10.73	-3.69	0.00	-199.45	0.00	199.45	1,431.12	715.56	1,520.26	750.80	7.64	-0.98	0.110
75.00	-10.51	-3.64	0.00	-194.23	0.00	194.23	1,423.89	711.94	1,499.92	740.75	7.94	-0.99	0.108
78.00	-10.05	-3.55	0.00	-183.30	0.00	183.30	1,408.31	704.16	1,457.00	719.56	8.57	-1.03	0.103
81.00	-9.59	-3.45	0.00	-172.66	0.00	172.66	1,392.39	696.19	1,414.32	698.48	9.23	-1.07	0.099
84.00	-9.13	-3.35	0.00	-162.31	0.00	162.31	1,376.12	688.06	1,371.90	677.53	9.92	-1.10	0.094
85.00	-8.98	-3.32	0.00	-158.97	0.00	158.97	1,370.62	685.31	1,357.82	670.57	10.15	-1.12	0.093
85.00	-8.98	-3.32	0.00	-158.97	0.00	158.97	1,370.62	685.31	1,357.82	670.57	10.15	-1.12	0.244
87.00	-8.81	-3.26	0.00	-152.33	0.00	152.33	1,359.50	679.75	1,329.75	656.71	10.62	-1.14	0.238
90.00	-8.56	-3.17	0.00	-142.56	0.00	142.56	1,342.54	671.27	1,287.89	636.04	11.37	-1.23	0.231
93.00	-8.31	-3.12	0.00	-133.04	0.00	133.04	1,325.23	662.62	1,246.34	615.52	12.17	-1.32	0.222
96.00	-8.07	-3.08	0.00	-123.66	0.00	123.66	1,307.58	653.79	1,205.13	595.17	13.03	-1.41	0.214
99.00	-7.82	-3.03	0.00	-114.43	0.00	114.43	1,289.58	644.79	1,164.26	574.99	13.94	-1.50	0.205
102.00	-7.59	-2.98	0.00	-105.35	0.00	105.35	1,271.23	635.61	1,123.77	554.99	14.91	-1.58	0.196
105.00	-7.36	-2.93	0.00	-96.42	0.00	96.42	1,248.50	624.25	1,080.18	533.46	15.93	-1.67	0.187
108.00	-7.13	-2.88	0.00	-87.64	0.00	87.64	1,221.66	610.83	1,033.97	510.64	17.01	-1.75	0.177
110.00	-6.98	-2.84	0.00	-81.89	0.00	81.89	1,203.76	601.88	1,003.72	495.70	17.75	-1.80	0.171
110.00	-6.98	-2.84	0.00	-81.89	0.00	81.89	829.79	414.89	696.16	343.81	17.75	-1.80	0.247
111.00	-6.92	-2.83	0.00	-79.04	0.00	79.04	826.22	413.11	687.98	339.77	18.13	-1.83	0.241
114.00	-6.73	-2.78	0.00	-70.55	0.00	70.55	815.28	407.64	663.53	327.69	19.32	-1.93	0.224
117.00	-6.56	-2.74	0.00	-62.20	0.00	62.20	803.99	402.00	639.21	315.68	20.56	-2.03	0.205
118.00	-6.20	-2.39	0.00	-59.46	0.00	59.46	800.15	400.08	631.14	311.70	20.99	-2.06	0.199
120.00	-6.09	-2.36	0.00	-54.68	0.00	54.68	792.36	396.18	615.05	303.75	21.87	-2.12	0.188

Pole : 302473
Location : E H FR - Prestige Park, CT
Height : 150.0 (ft)
Base Dia : 36.00 (in)
Top Dia : 14.50 (in)
Shape : 12 Sides
Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1
Base Elev : 0.000 (ft)

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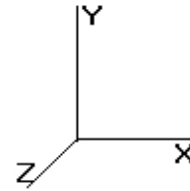
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

123.00	-5.93	-2.31	0.00	-47.60	0.00	47.60	780.38	390.19	591.06	291.90	23.22	-2.20	0.171
126.00	-5.78	-2.27	0.00	-40.66	0.00	40.66	768.05	384.03	567.27	280.15	24.63	-2.28	0.153
128.00	-5.40	-2.09	0.00	-36.13	0.00	36.13	759.64	379.82	551.53	272.38	25.60	-2.33	0.140
129.00	-5.36	-2.08	0.00	-34.04	0.00	34.04	755.38	377.69	543.69	268.51	26.09	-2.35	0.134
132.00	-5.22	-2.03	0.00	-27.80	0.00	27.80	742.36	371.18	520.35	256.98	27.59	-2.42	0.115
135.00	-5.09	-1.99	0.00	-21.70	0.00	21.70	728.99	364.50	497.26	245.58	29.13	-2.47	0.095
138.00	-3.05	-1.25	0.00	-15.74	0.00	15.74	715.28	357.64	474.45	234.31	30.70	-2.52	0.071
141.00	-2.93	-1.20	0.00	-11.99	0.00	11.99	697.56	348.78	449.56	222.02	32.29	-2.56	0.058
144.00	-2.82	-1.16	0.00	-8.38	0.00	8.38	677.43	338.71	423.84	209.32	33.91	-2.59	0.044
147.00	-2.71	-1.11	0.00	-4.91	0.00	4.91	657.30	328.65	398.87	196.99	35.54	-2.61	0.029
150.00	0.00	-0.99	0.00	-1.57	0.00	1.57	637.16	318.58	374.66	185.03	37.18	-2.62	0.009

Pole : 302473
 Location : E H FR - Prestige Park, CT
 Height : 150.0 (ft)
 Base Dia : 36.00 (in)
 Top Dia : 14.50 (in)
 Shape : 12 Sides
 Taper : 0.150800 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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Analysis Summary

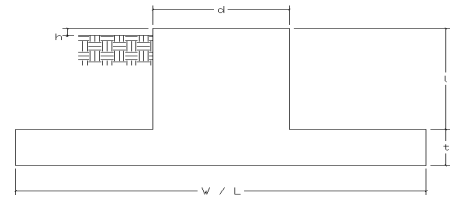
Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	23.33	0.00	30.41	0.00	0.00	2247.65	110.00	0.97
0.9D + 1.6W	23.26	0.00	24.22	0.00	0.00	2211.06	110.00	0.94
1.2D + 1.0Di + 1.0Wi	6.05	0.00	58.52	0.00	0.00	630.58	110.00	0.33
1.0D + 1.0W	5.80	0.00	26.31	0.00	0.00	555.27	110.00	0.25

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Upper Termination Connectors				Lower Termination Connectors				Max Member		
			VQ/I (lb/in)	Shear Applied (kips)	Shear phiVn (kips)	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	Pu (kip)	phiPn (kip)	Ratio
0.00	85.0	(4) SOL-#20 All Thre	273.5	8.2	16.8	155.1	12.0	13	0	0.0	12.0	0	0	249.2	330.5	0.754

Site Name: E H F R - Prestige Park, CT
 Site Number: 302473
 Engineering Number: 55510721
 Engineer: R. Keith
 Date: 12/20/13
 Tower Type: MP

Program Last Updated: 6/1/2010



Design Loads (Factored) - Analysis per TIA-222-G Standards

Foundation Mapped:	N		
Compression/Leg:	25.2 k	Concrete Strength (f'_c):	4000 psi
Uplift/Leg:	0.0 k	Pad Tension Steel Depth:	32.00 in
Total Shear:	19.1 k	ϕ_{Shear} :	0.75
Moment:	2086.4 k-ft	$\phi_{\text{Flexure / Tension}}$:	0.90
Tower + Appurtenance Weight:	25.2 k	$\phi_{\text{Compression}}$:	0.65
Depth to Base of Foundation:	8.00 ft	β :	0.85
Diameter of Pier (d):	4.33 ft	Bottom Pad Rebar Size #:	8
Height of Pier above Ground (h):	0.50	# of Bottom Pad Rebar:	40
Width of Pad (W):	18.00 ft	Pad Bottom Steel Area:	31.60 in ²
Length of Pad (L):	18.00 ft	Pad Steel F_y :	60000 psi
Thickness of Pad (t):	3.00 ft	Top Pad Rebar Size #:	8
Tower Leg Center to Center:	0.00 ft	# of Top Pad Rebar:	36
Number of Tower Legs:	1.0 (1 if MP or GT)	Pad Top Steel Area:	28.44 in ²
Tower Center from Mat Center:	0.00 ft	Pier Rebar Size #:	11
Depth Below Ground Surface to Water Table:	99.00 ft	Pier Steel Area (Single Bar):	1.56 in ²
Unit Weight of Concrete:	150.0 pcf	# of Pier Rebar:	14
Unit Weight of Soil Above Water Table:	115.0 pcf	Pier Steel F_y :	60000 psi
Unit Weight of Water:	62.4 pcf	Pier Cage Diameter:	44.0 in
Unit Weight of Soil Below Water Table:	50.0 pcf	Rebar Strain Limit:	0.008
Friction Angle of Uplift:	0.0 Degrees	Steel Elastic Modulus:	29000 ksi
Ultimate Coefficient of Shear Friction:	0.35	Tie Rebar Size #:	4
Ultimate Compressive Bearing Pressure:	6000.0 psf	Tie Steel Area (Single Bar):	0.20 in ²
Ultimate Passive Pressure on Pad Face:	0.0 psf	Tie Spacing:	12 in
$\phi_{\text{Soil and Concrete Weight}}$:	0.9	Tie Steel F_y :	60000 psi
ϕ_{Soil} :	0.75		

Required Mat / Pier Dimensions & Minimum Rebar based on Reinforcement Ratio

Minimum Required Mat Width:	8.00 ft - OK
Minimum Required Mat Length:	8.00 ft - OK
Minimum Required Foundation Depth:	4.35 ft - OK
Minimum Required Mat Thickness:	1.83 ft - OK
Minimum Required # of Vertical Rebar in Pier:	7 OK
Minimum Required Tie Spacing:	12 in - OK

Overtuning Moment Usage

Design OTM:	2248.8 k-ft
OTM Resistance:	2889.9 k-ft
Design OTM / OTM Resistance:	0.78 Result: OK

Soil Bearing Pressure Usage:

Total Weight (Foundation, Soil, Tower):	356.8 k
Net Bearing Pressure:	3761 psf
Nominal Bearing Pressure:	4500 psf
Net Bearing Pressure/Nominal Bearing Pressure:	0.84 Result: OK
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge

Sliding Factor of Safety

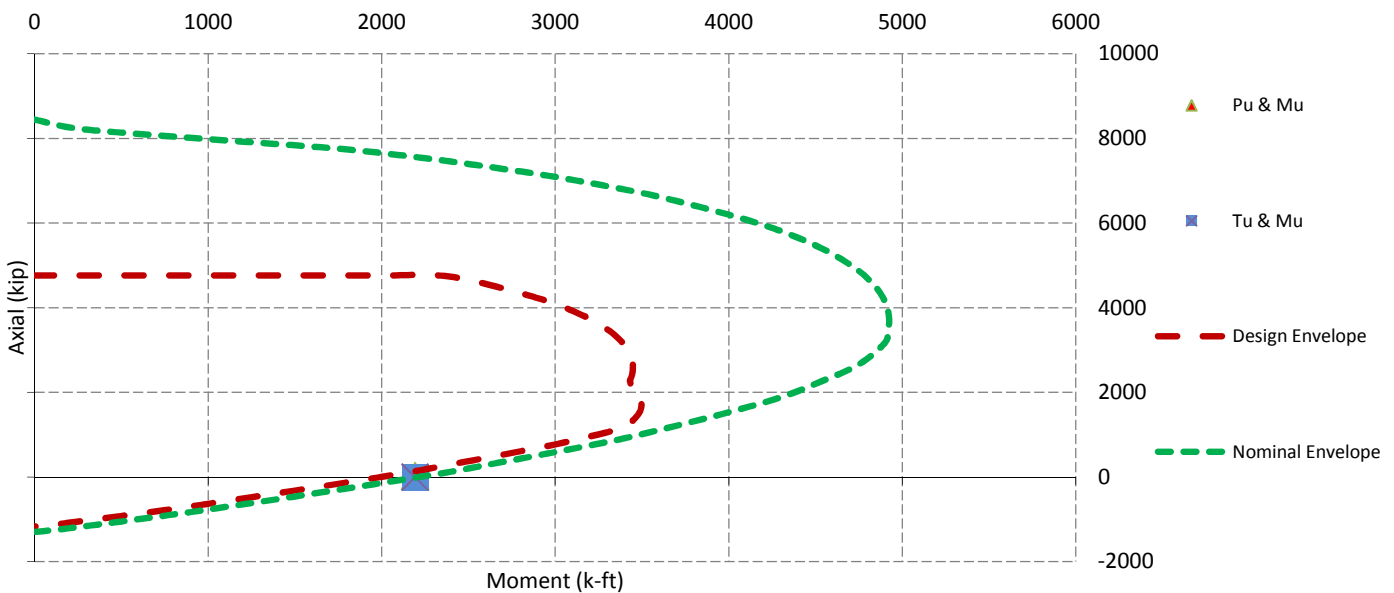
Total Factored Sliding Resistance:	93.7 k
Sliding Design / Sliding Resistance:	0.20 Result: OK

One Way Shear, Flexural Capacity, and Punching Shear

Factored One Way Shear (V_u):	142.8 k	
One Way Shear Capacity (ϕV_c):	575.3 k - ACI11.3.1.1	
$V_u / \phi V_c$:	0.25	Result: OK
Load Direction Controlling Shear Capacity:	Diagonal to Pad Edge	
Lower Steel Pad Factored Moment (M_u):	859.5 k-ft	
Lower Steel Pad Moment Capacity (ϕM_n):	4394.4 k-ft - ACI10.3	
$M_u / \phi M_n$:	0.20	Result: OK
Load Direction Controlling Flexural Capacity:	Parallel to Pad Edge	
Upper Steel Pad Factored Moment (M_u):	629.9 k-ft	
Upper Steel Pad Moment Capacity (ϕM_n):	3969.0 k-ft	
$M_u / \phi M_n$:	0.16	Result: OK
Lower Pad Flexural Reinforcement Ratio:	0.0046	OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Upper Pad Flexural Reinforcement Ratio:	0.0041	OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Lower Pad Reinforcement Spacing:	5 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4	
Upper Pad Reinforcement Spacing:	6 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4	
Factored Punching Shear (V_u):	0.0 k	
Nominal Punching Shear Capacity ($\phi_c V_n$):	1601.5 k - ACI11.12.2.1	
$V_u / \phi V_c$:	0.00	Result: OK
Factored Moment in Pier (M_u):	2191.5 k-ft	
Pier Moment Capacity (ϕM_n):	2120.7 k-ft	
$M_u / \phi M_n$:	1.03	Result: Acceptable
Factored Shear in Pier (V_u):	19.1 k	
Pier Shear Capacity (ϕV_n):	202.4 k	
$V_u / \phi V_c$:	0.09	Result: OK
Pier Shear Reinforcement Ratio:	0.0009	No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier (T_u):	0.0 k	
Pier Tension Capacity (ϕT_n):	1179.4 k	
$T_u / \phi T_n$:	0.00	Result: OK
Factored Compression in Pier (P_u):	25.2 k	
Pier Compression Capacity (ϕP_n):	4391.8 k - ACI10.3.6.2	
$P_u / \phi P_n$:	0.01	Result: OK
Pier Compression Reinforcement Ratio:	0.010	OK - Reinforcement Ratio Met - ACI10.9.1 & 10.8.4
$M_u / \phi_B M_n + T_u / \phi_T T_n$:	1.03	Result: Acceptable

Engineer Notes

Nominal and Design Moment Capacity and Factored Design Loads





AMERICAN TOWER CORPORATION

PROJECT: 2.5 EQUIPMENT DEPLOYMENT
SITE NAME: E H F R - PRESTIGE PARK
SITE CASCADE: CT54XC784
SITE NUMBER: 302473
SITE ADDRESS: 310 PRESTIGE PARK RD EAST HARTFORD, CT 06108
SITE TYPE: MONOPOLE TOWER
MARKET: NORTHERN 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
116 HUNTINGTON AVENUE, 11TH FLOOR
BOSTON, MA 02116



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REVISIONS:			
DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	2/13/14	AHS	0

SITE NAME:
E H F R - PRESTIGE PARK

SITE CASCADE:
CT54XC784

SITE ADDRESS:
**284-310 PRESTIGE PARK RD
EAST HARTFORD, CT 06108**

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° 47' 17.9988" N
41.788333°

LONGITUDE (NAD83):
72° 36' 2.001" W
-72.600556°

COUNTY:
HARTFORD

ZONING JURISDICTION:
CONNECTICUT SITTING COUNCIL

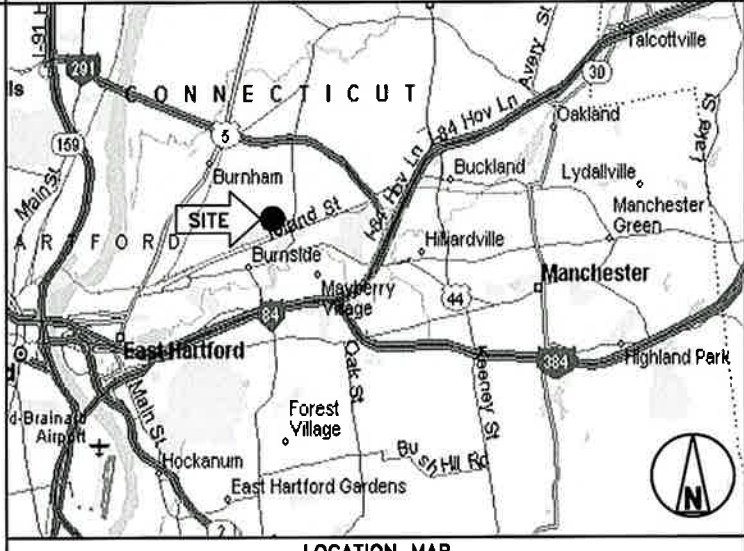
ZONING DISTRICT:
I3

POWER COMPANY:
CONNECTICUT LIGHT & POWER
(800) 286-2000

AAV PROVIDER:
TBD

SPRINT CM:
MICHAEL DELIA
(781) 316-6348
MICHAEL.DELIA@SPRINT.COM

AREA MAP



LOCATION MAP



PROJECT DESCRIPTION

SPRINT PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY.

- INSTALL (1) 9929 EQUIPMENT CABINET
- INSTALL (3) PANEL ANTENNAS
- INSTALL (3) RRU'S TO TOWER
- INSTALL (27) JUMPER CABLES
- INSTALL (1) HYBRID 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-F 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	0
SP-1	SPRINT SPECIFICATIONS	0
SP-2	SPRINT SPECIFICATIONS	0
SP-3	SPRINT SPECIFICATIONS	0
A-1	SITE PLAN	0
A-2	TOWER ELEVATION & CABLE PLAN	0
A-3	ANTENNA LAYOUT & MOUNTING DETAILS	0
A-4	COLOR CODING AND NOTES	0
A-5	EQUIPMENT & MOUNTING DETAILS	0
A-6	CIVIL DETAILS	0
A-7	PLUMBING DIAGRAM	0
E-1	ELECTRICAL & GROUNDING PLAN	0
E-2	ELECTRICAL & GROUNDING DETAILS	0
E-3	ELECTRICAL & GROUNDING DETAILS	0



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:



Design. Build. Deliver.

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

JOB NUMBER 340-000

MLA PARTNER:



116 HUNTINGTON AVENUE, 11TH FLOOR
BOSTON, MA 02116

ENGINEERING LICENSE:



DRAWING NOTICE:

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REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	2/13/14	AHS	0

SITE NAME:

E H F R - PRESTIGE PARK

SITE CASCADE:

CT54XC784

SITE ADDRESS:

284-310 PRESTIGE PARK RD
EAST HARTFORD, CT 06108

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 ANTENNAL 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).

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 - ANTENNALIGN ALIGNMENT TOOL (AAT)

PLANS PREPARED FOR:



PLANS PREPARED BY:



MLA PARTNER:



ENGINEERING LICENSE:



DRAWING NOTICE:

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REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	2/13/14	AHS	0

SITE NAME:

E H F R - PRESTIGE PARK

SITE CASCADE:

CT54XC784

SITE ADDRESS:

284-310 PRESTIGE PARK RD
EAST HARTFORD, CT 06108

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:



PLANS PREPARED BY:



MLA PARTNER:



ENGINEERING LICENSE:



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REVISIONS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION		2/13/14	AHS	0

SITE NAME:

E H F R - PRESTIGE PARK

SITE CASCADE:

CT54XC784

SITE ADDRESS:

**284-310 PRESTIGE PARK RD
EAST HARTFORD, CT 06108**

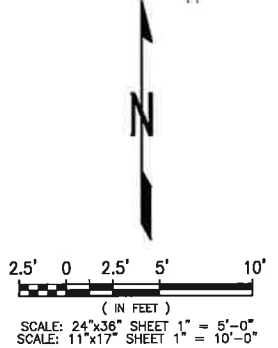
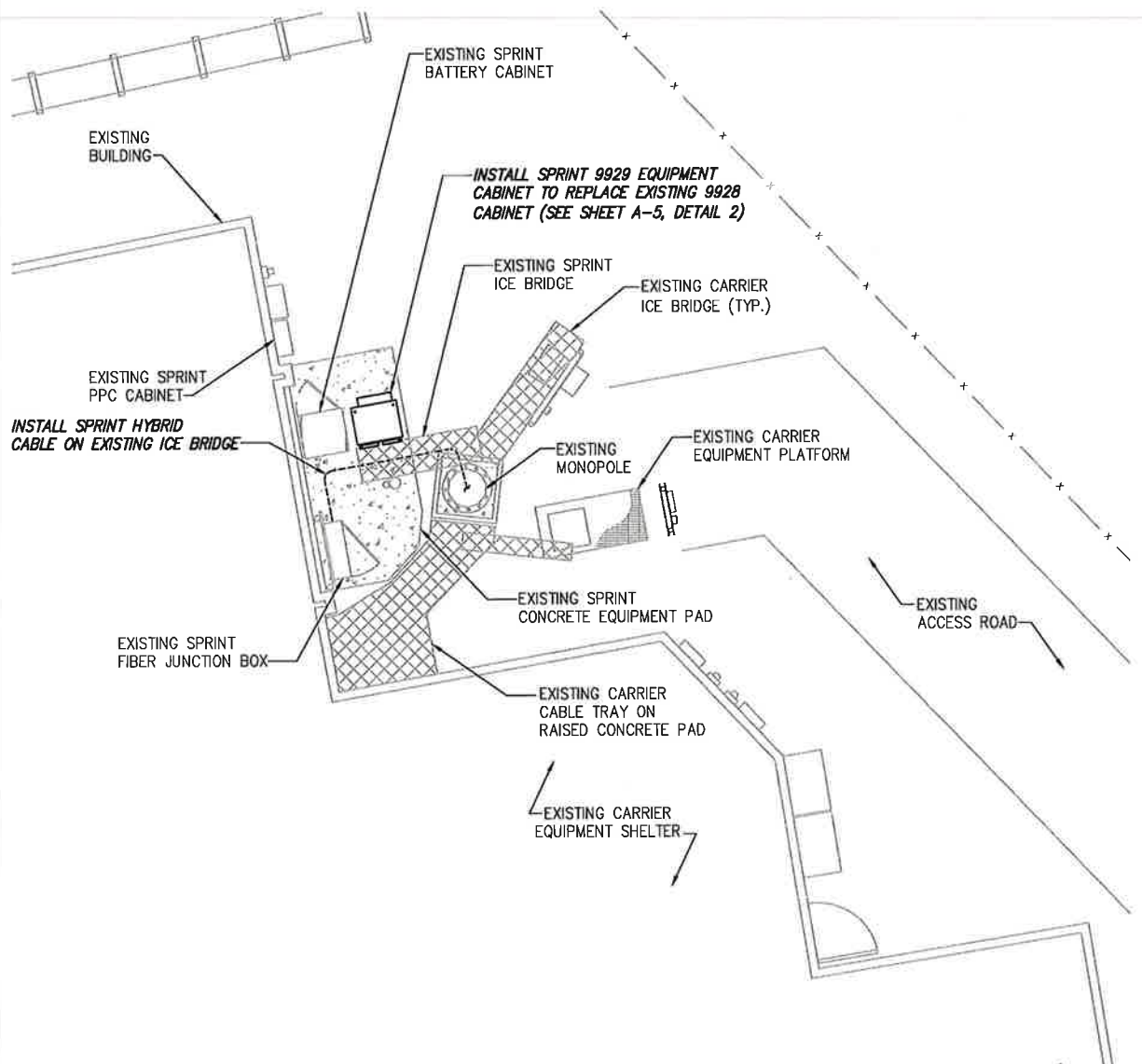
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SPRINT SPECIFICATIONS

SHEET NUMBER:

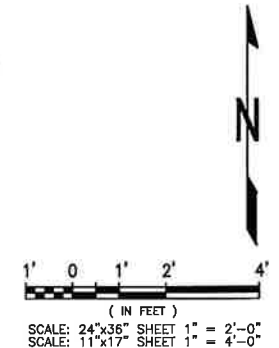
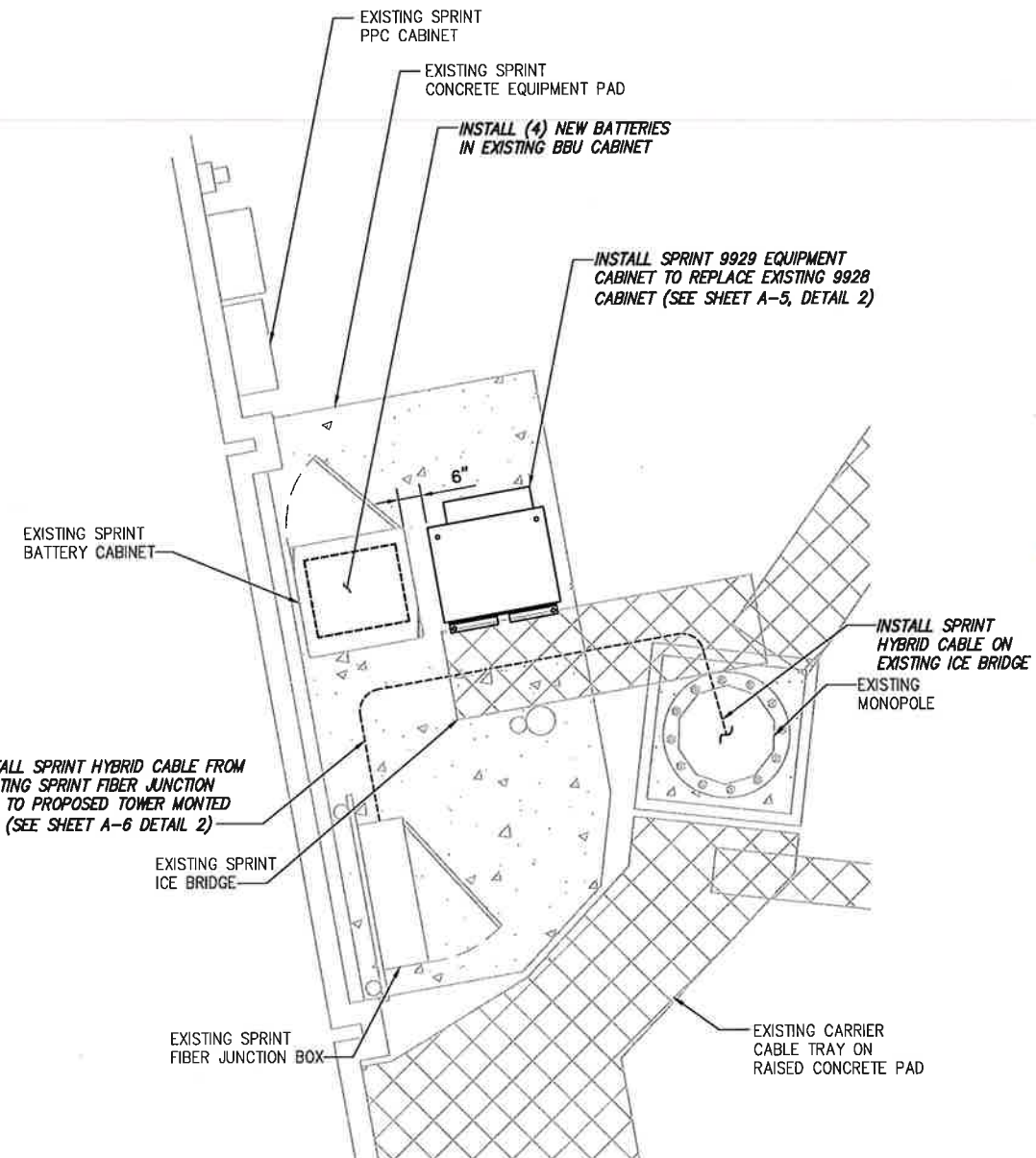
SP-3

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:

Design. Build. Deliver.

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

MLA PARTNER:

116 HUNTINGTON AVENUE, 11TH FLOOR
BOSTON, MA 02116

ENGINEERING LICENSE:

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SITE CASCADE:

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SITE ADDRESS:

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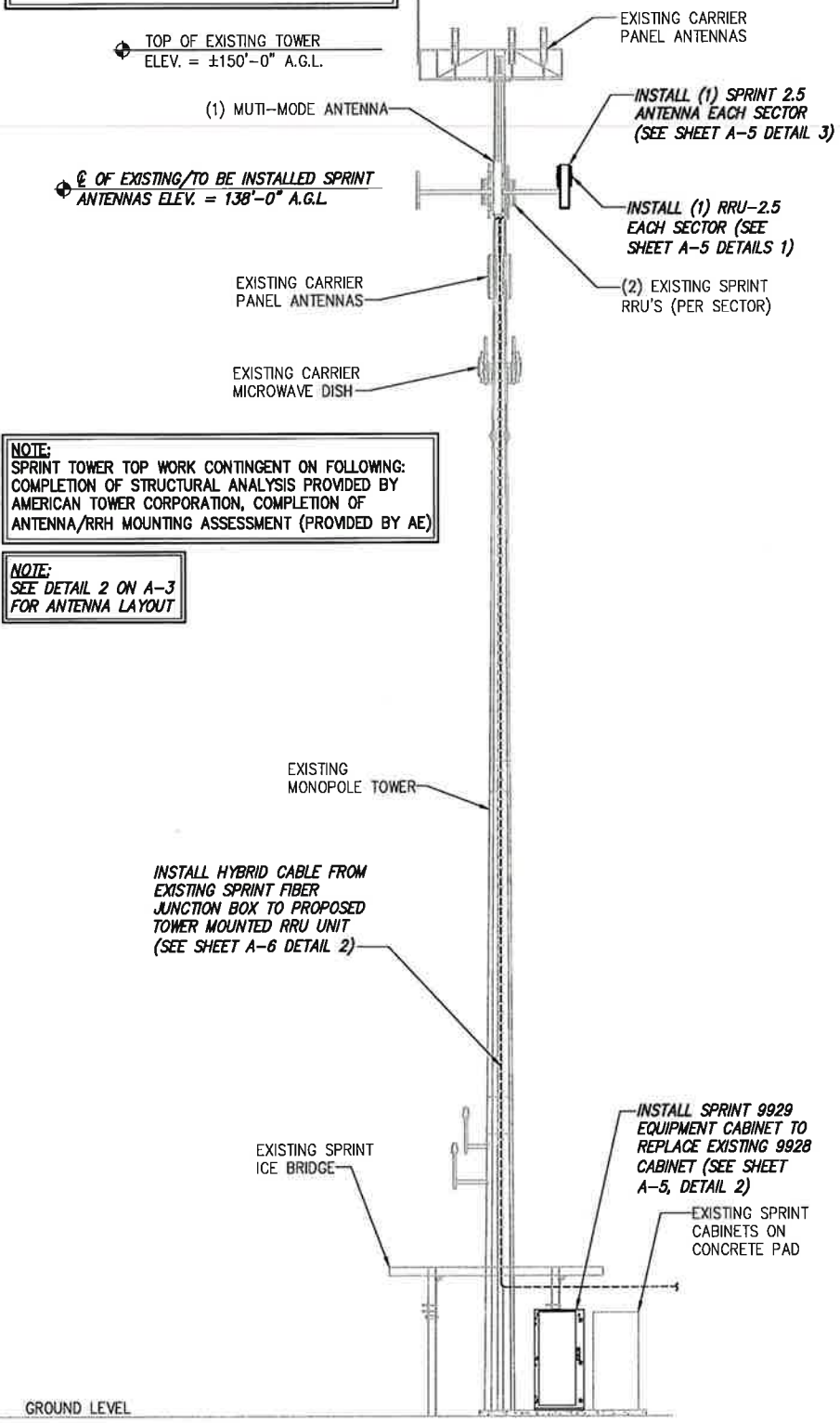
SHEET DESCRIPTION:

SITE PLAN

SHEET NUMBER:

A-1

NOTE:
 BASED ON THE ANALYSIS PROVIDED BY AMERICAN TOWER CORPORATION, DATED 12/20/13. THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE PROPOSED EQUIPMENT CONFIGURATION. THE ANALYSIS INDICATES THE TOWER AND ITS FOUNDATION HAVE SUFFICIENT CAPACITY TO CARRY THE EXISTING, RESERVED, AND PROPOSED LOADS. NO MODIFICATIONS ARE REQUIRED AT THIS TIME.



NOTE:
 SPRINT TOWER TOP WORK CONTINGENT ON FOLLOWING:
 COMPLETION OF STRUCTURAL ANALYSIS PROVIDED BY AMERICAN TOWER CORPORATION, COMPLETION OF ANTENNA/RRH MOUNTING ASSESSMENT (PROVIDED BY AE)

NOTE:
 SEE DETAIL 2 ON A-3 FOR ANTENNA LAYOUT

TOWER ELEVATION

NO SCALE 1

DETAIL NOT USED

NO SCALE 3

DETAIL NOT USED

NO SCALE 4

PLANS PREPARED FOR:



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 Overland Park, Kansas 66251

PLANS PREPARED BY:




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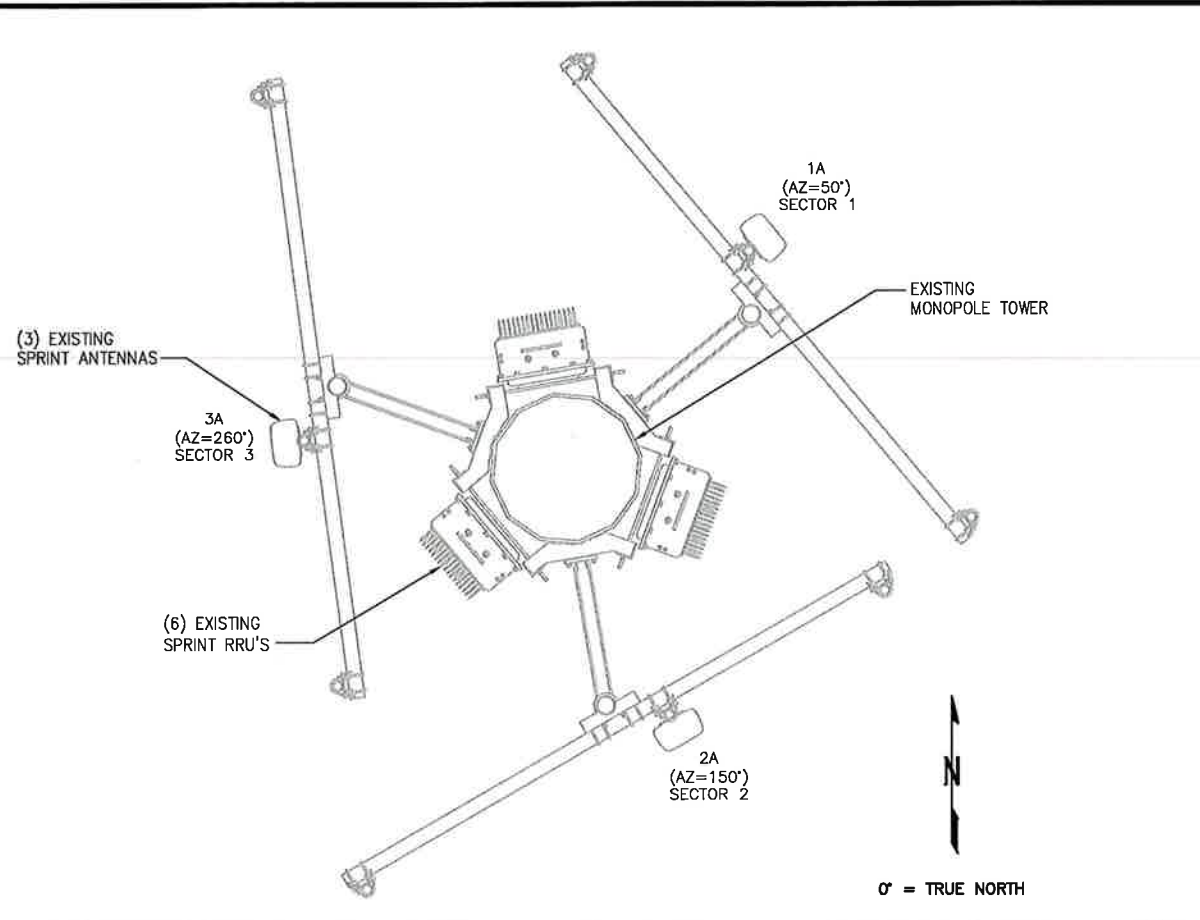
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SHEET DESCRIPTION:
TOWER ELEVATION & CABLE PLAN

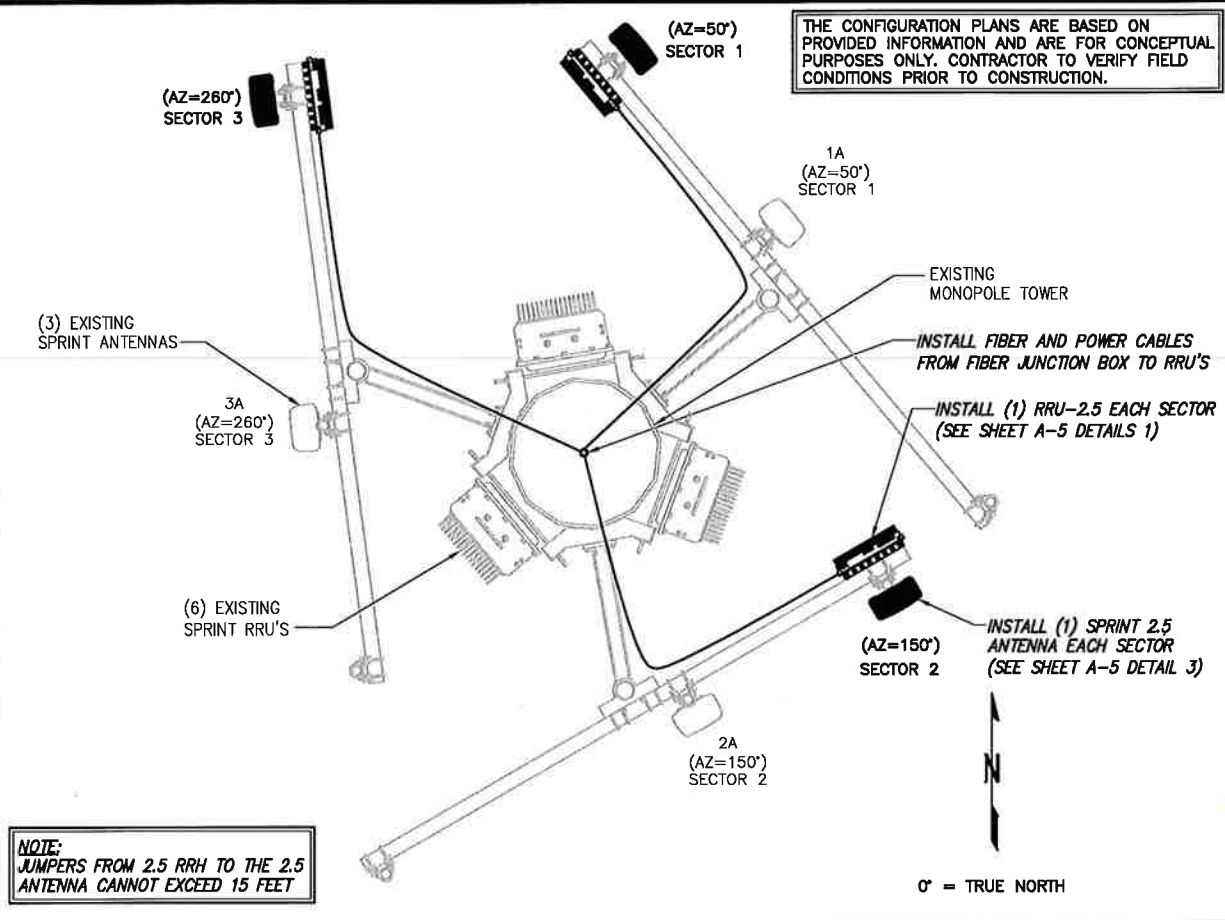
SHEET NUMBER:
A-2



EXISTING ANTENNA & RRU LAYOUT

NO SCALE

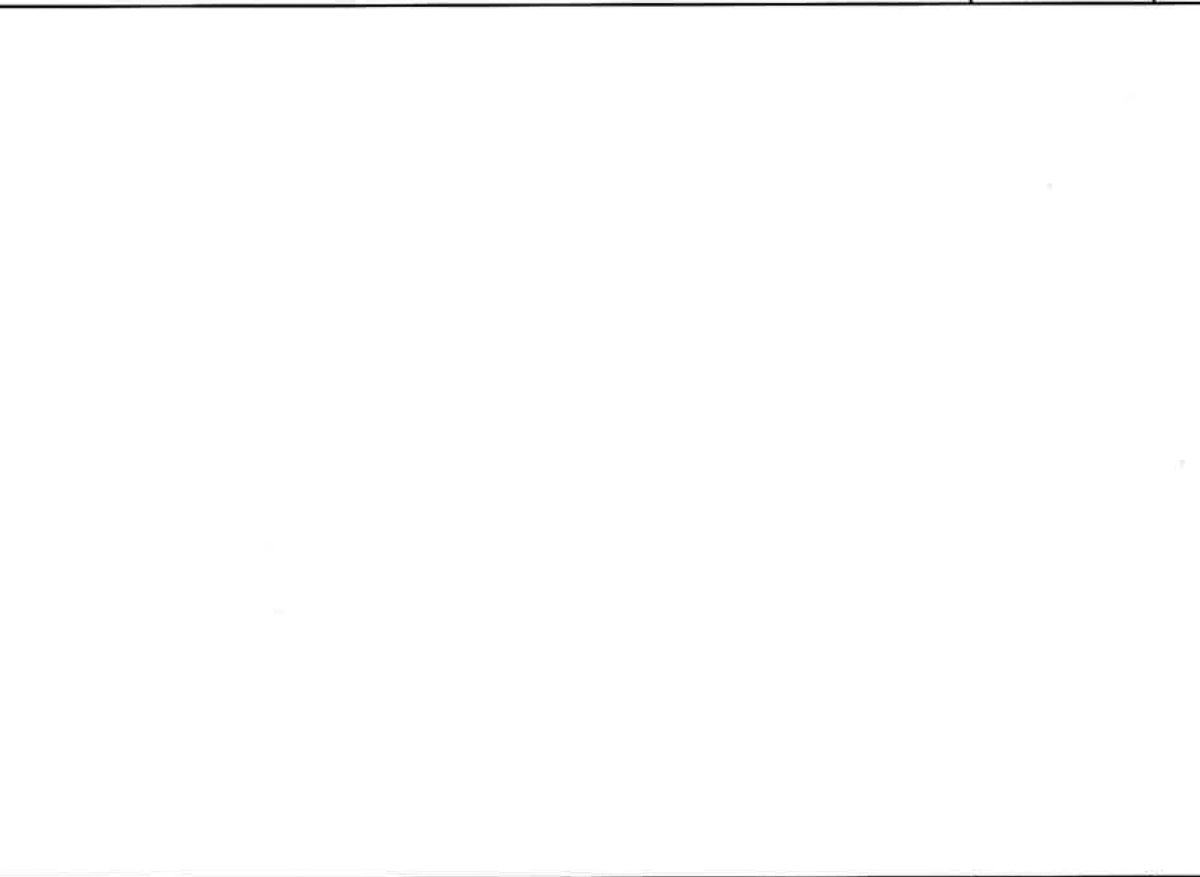
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FINAL ANTENNA LAYOUT

NO SCALE

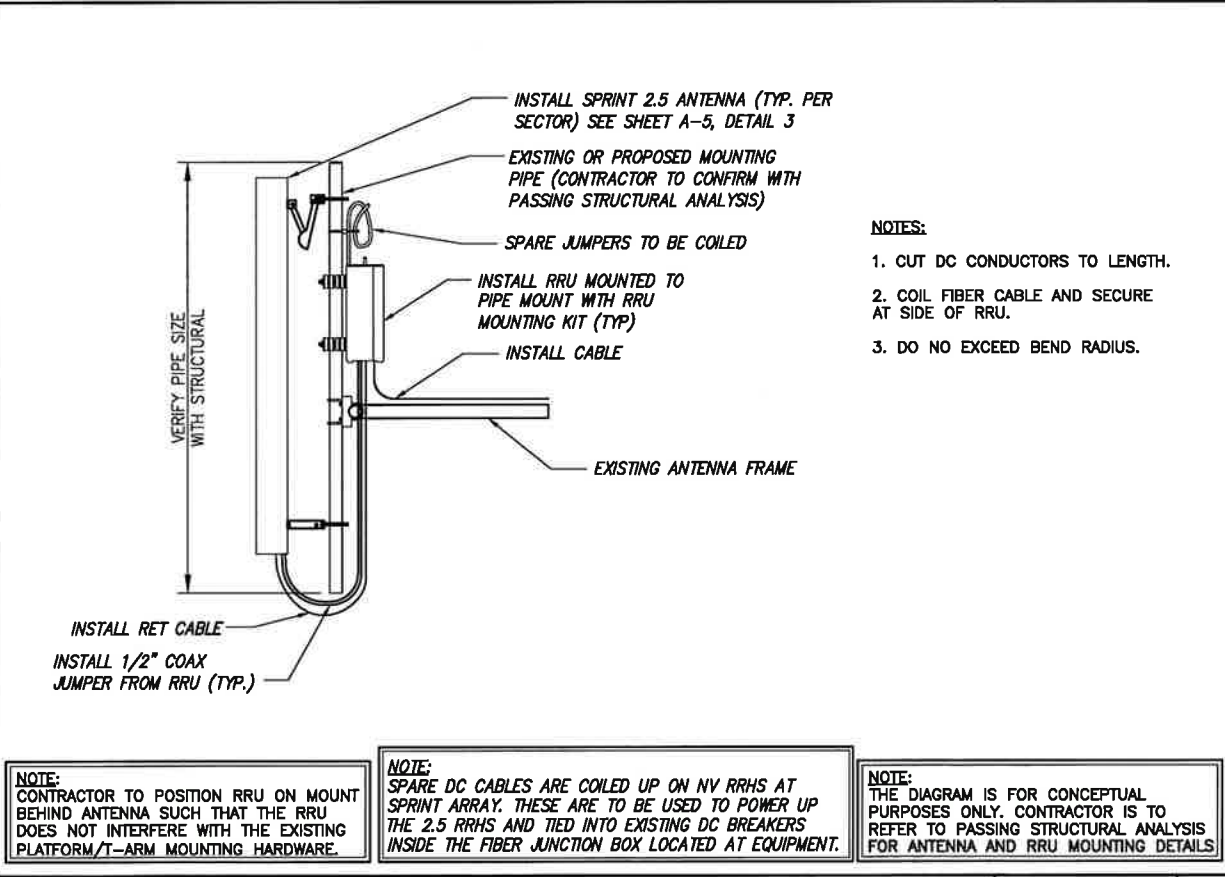
2



DETAIL NOT USED

NO SCALE

3



TYPICAL ANTENNA & RRU MOUNTING DETAILS

NO SCALE

4

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SITE ADDRESS:

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EAST HARTFORD, CT 06108

SHEET DESCRIPTION:

ANTENNA LAYOUT & MOUNTING DETAILS

SHEET NUMBER:

A-3

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 RRU TO THE 2.5 ANTENNA CANNOT EXCEED 15 FEET

- 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.

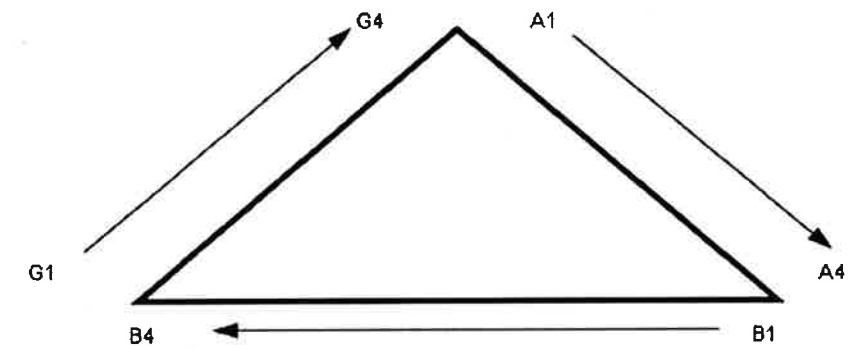
NOTE:
THE DIAGRAM IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR IS TO REFER TO PASSING STRUCTURAL ANALYSIS FOR ANTENNA AND RRU MOUNTING DETAILS

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	PPR	
2500	YEL ORG	NV-8	ORG	

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

Figure 1: Antenna Orientation



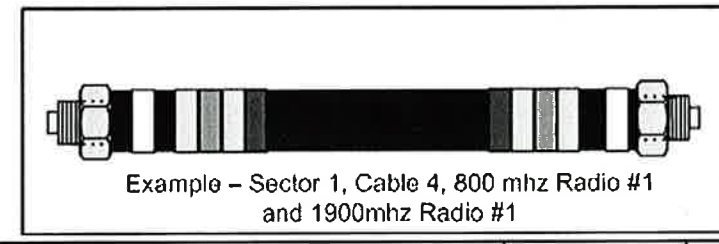
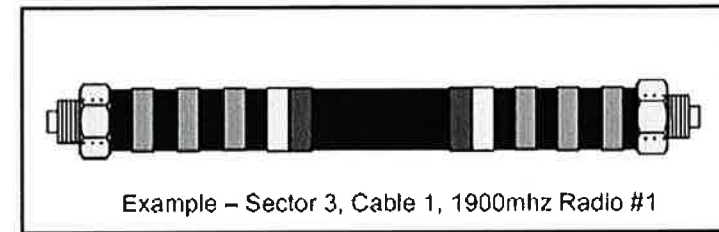
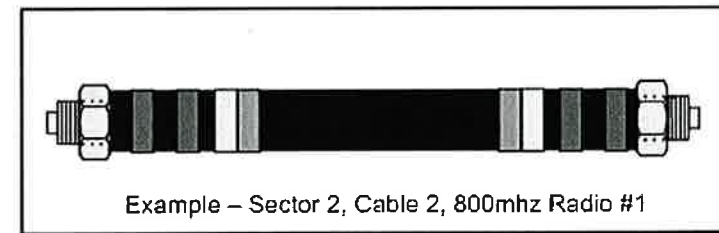
NOTES:

- 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	Blue	No Tape	No Tape
	3	No Tape	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	Blue	Blue	No Tape
	3	No Tape	No Tape	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	Blue	Blue	Blue
	3	No Tape	No Tape	No Tape
	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	
1900-1	YEL RED	
1900-2	YEL BRN	
1900-3	YEL BLU	
1900-4	YEL SLT	
800-1	YEL ORG	
RESERVED	YEL WHT	
RESERVED	YEL PPR	

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 PPR	



COLOR CODING AND NOTES

NO SCALE A

PLANS PREPARED FOR:

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Overland Park, Kansas 66251

PLANS PREPARED BY:

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1033 Watervliet Shaker Rd
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REVISIONS:

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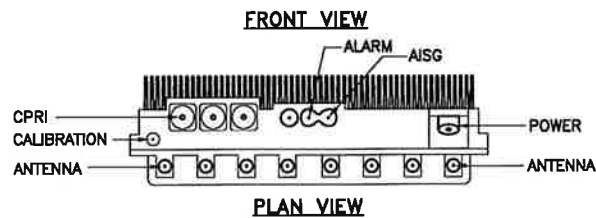
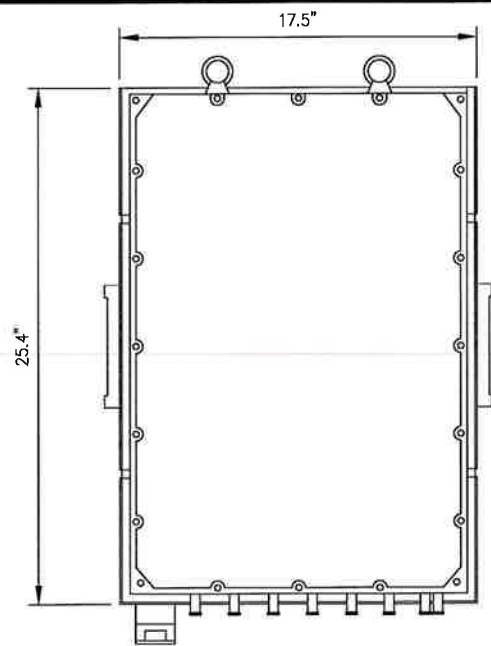
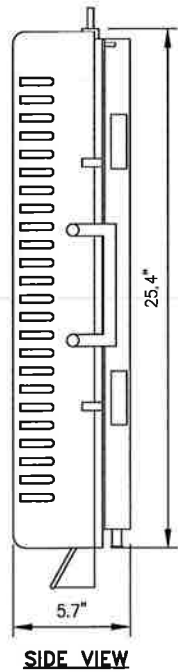
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SHEET DESCRIPTION:
COLOR CODING AND NOTES

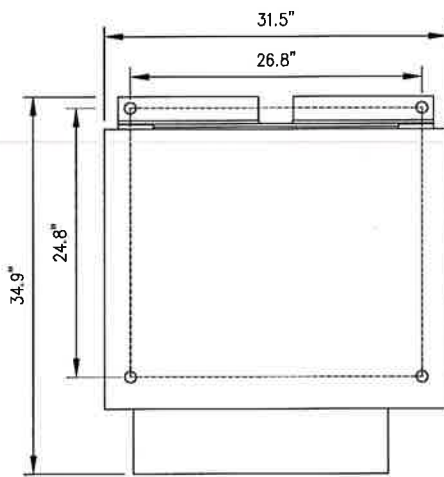
SHEET NUMBER:
A-4

RRU: ALCATEL LUCENT TD-RRH8X20
 WEIGHT (70LBS) COLOR (GRAY)

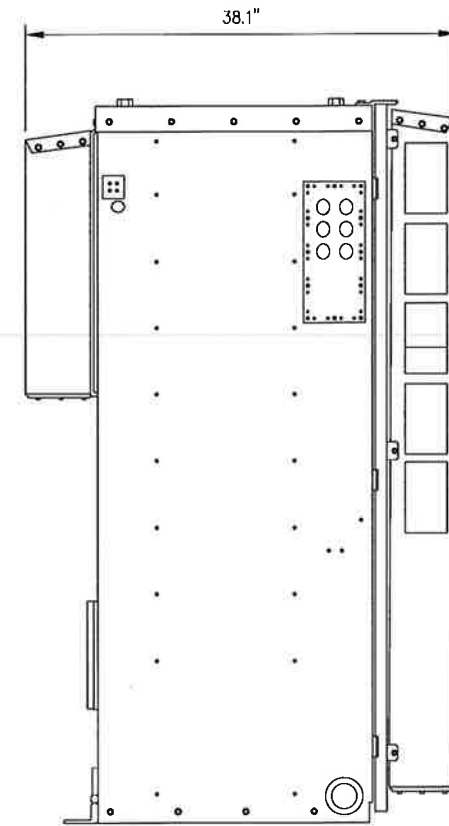


NOTES

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.



BOTTOM VIEW



SIDE VIEW

2.5 RRU'S

NO SCALE

1

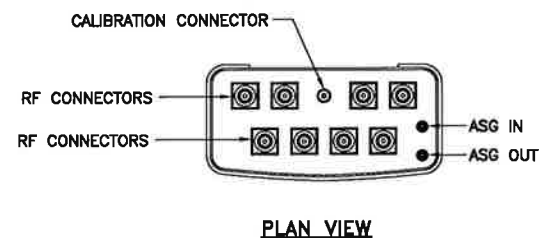
2.5 9929 GROWTH CABINET

NO SCALE

2

ANTENNA RFS APXVTM14-C-I20

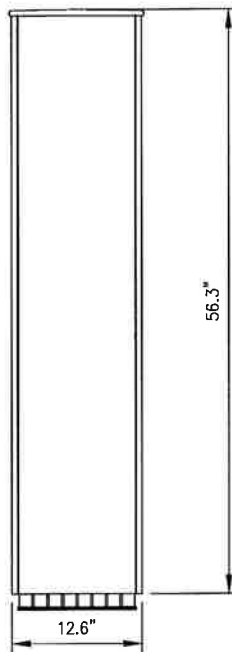
RADOME MATERIAL: ASA
 RADOME COLOR: LIGHT GREY
 DIMENSIONS, HxWxD.in(mim): 56.3"x12.6"x6.3" (1430x320x160mm)
 WEIGHT: 52.9 lbs
 CONNECTORS: (8) 4.1/9.5 DIN FEMALE
 (1) NF - CALIBRATION CONNECTOR



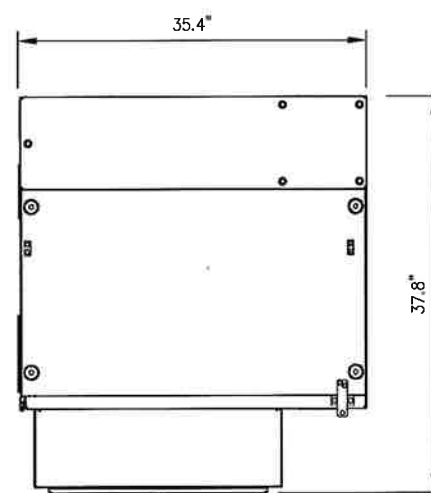
PLAN VIEW



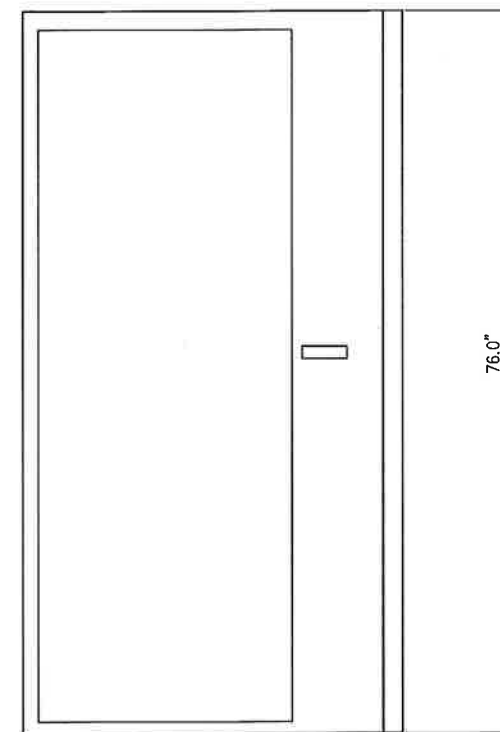
SIDE VIEW



FRONT VIEW



TOP VIEW



FRONT VIEW

2.5 ANTENNA

NO SCALE

3

EXISTING 9928 CABINET (TO BE REPLACED)

NO SCALE

4

PLANS PREPARED FOR:



PLANS PREPARED BY:



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

JOB NUMBER 340-000

MLA PARTNER:



116 HUNTINGTON AVENUE, 11TH FLOOR
 BOSTON, MA 02116

ENGINEERING LICENSE:



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DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	2/13/14	AHS	0

SITE NAME:

E H F R - PRESTIGE PARK

SITE CASCADE:

CT54XC784

SITE ADDRESS:

284-310 PRESTIGE PARK RD
 EAST HARTFORD, CT 06108

SHEET DESCRIPTION:

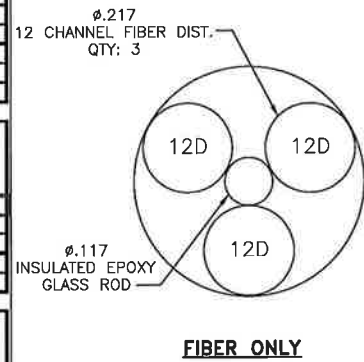
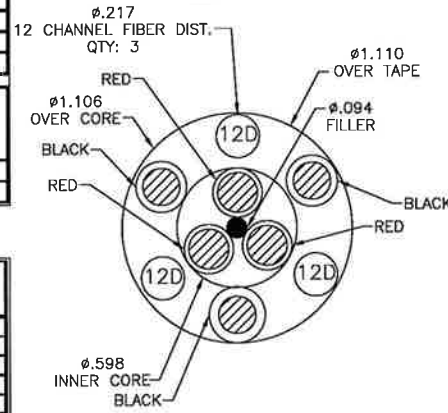
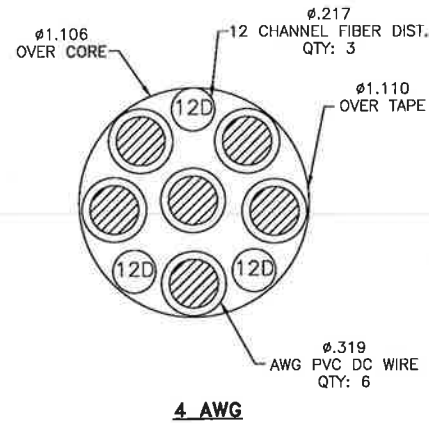
EQUIPMENT & MOUNTING DETAILS

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-C8U3M12-050F 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-C8U3M12-075F	75 ft
	MN: HB114-C8U3M12-100F	100 ft
	MN: HB114-C8U3M12-125F	125 ft
	MN: HB114-C8U3M12-150F	150 ft
	MN: HB114-C8U3M12-175F	175 ft
MN: HB114-C8U3M12-200F	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, 225 ft	225 ft
	MN: HB114-13U3M12-250F	250 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



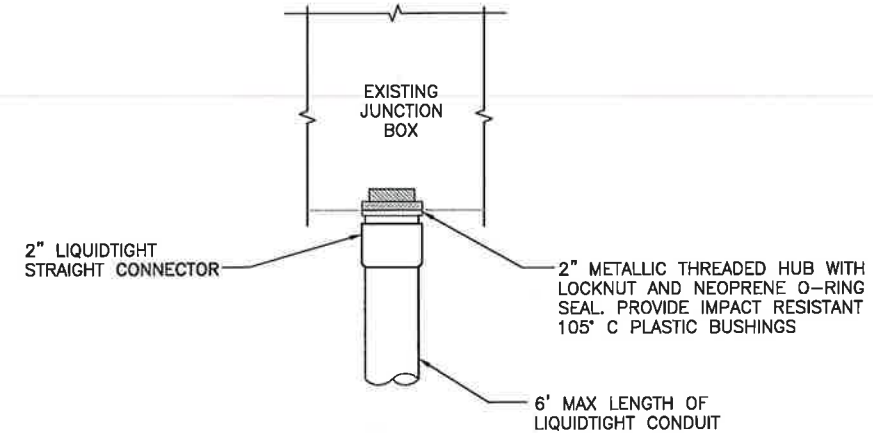
RFS HYBRIFLEX JUMPER CABLE SCHEDULE

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 RISER CABLE AND HYBRID JUMPER CABLE MODEL NUMBERS BEFORE PREPARING BOM.

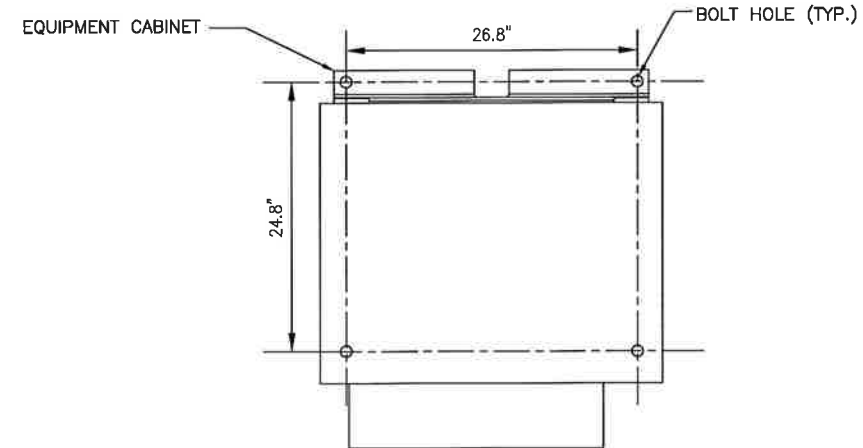
2.5 CABLE CROSS SECTION DATA

NO SCALE 1



FIBER JUNCTION BOX PENETRATION

NO SCALE 2



- NOTES:**
1. VERIFY BOLT HOLE SPACING WITH EQUIPMENT CUT SHEETS.
 2. NEW EQUIPMENT CABINET TO BE MOUNTED TO EXISTING CONCRETE PAD WITH BOLT-DOWN SYSTEM PER MANUFACTURER'S SPECIFICATION. FIELD DRILL HOLES IN EXISTING CONCRETE AS REQUIRED.

DETAIL NOT USED

NO SCALE 3

PLANS PREPARED FOR:



PLANS PREPARED BY:



MLA PARTNER:



ENGINEERING LICENSE:



DRAWING NOTICE:

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SITE NAME:

E H F R - PRESTIGE PARK

SITE CASCADE:

CT54XC784

SITE ADDRESS:

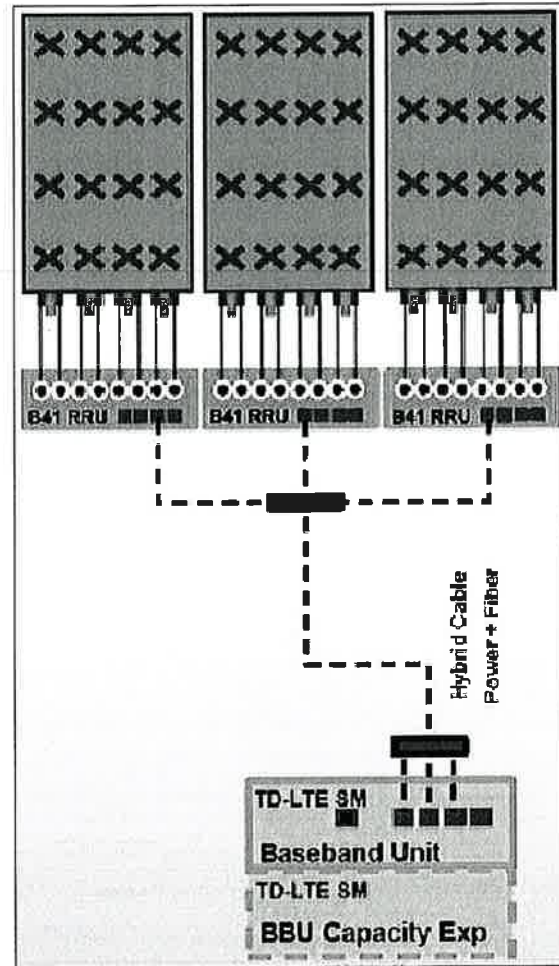
284-310 PRESTIGE PARK RD
EAST HARTFORD, CT 06108

SHEET DESCRIPTION:

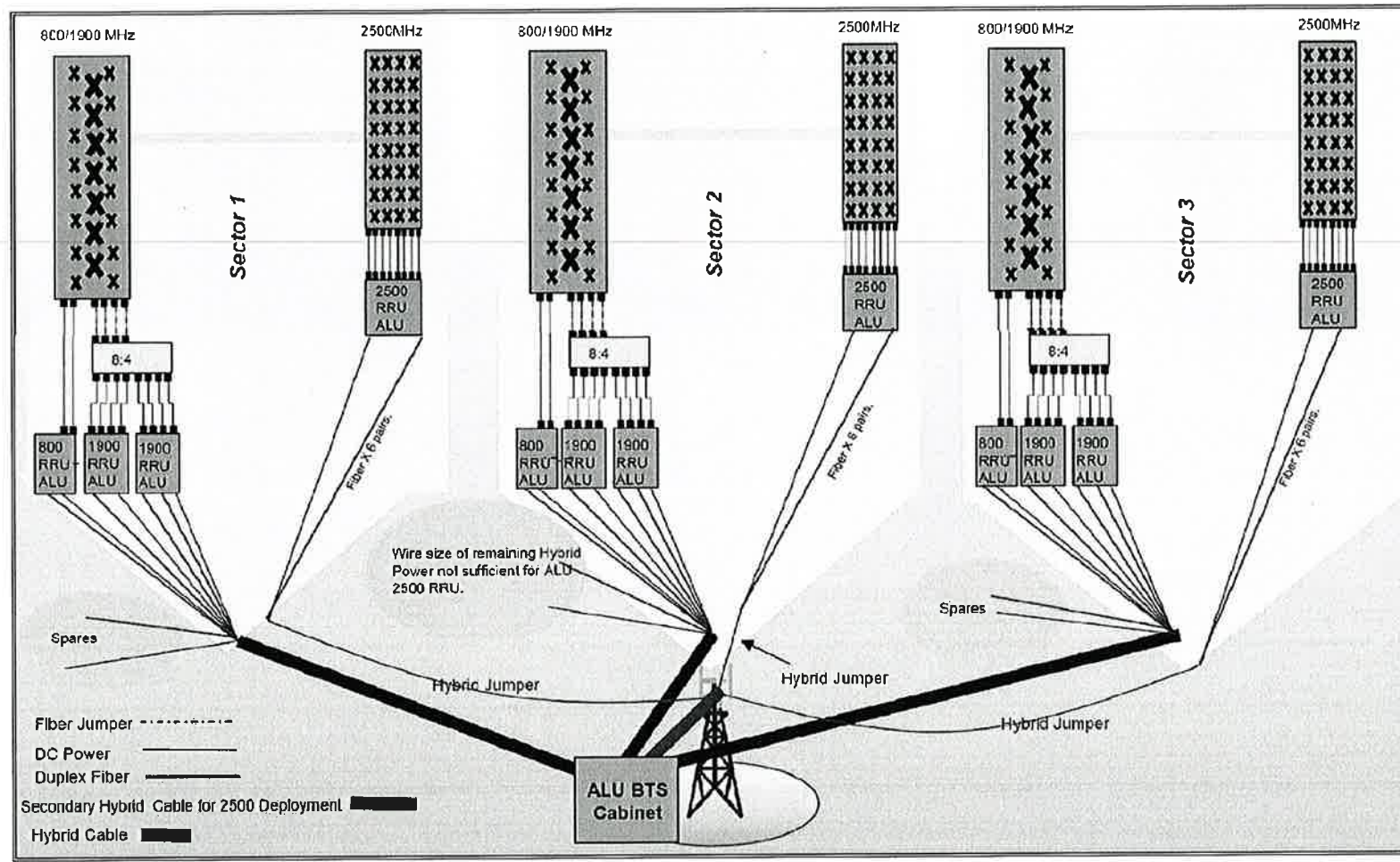
CIVIL DETAILS

SHEET NUMBER:

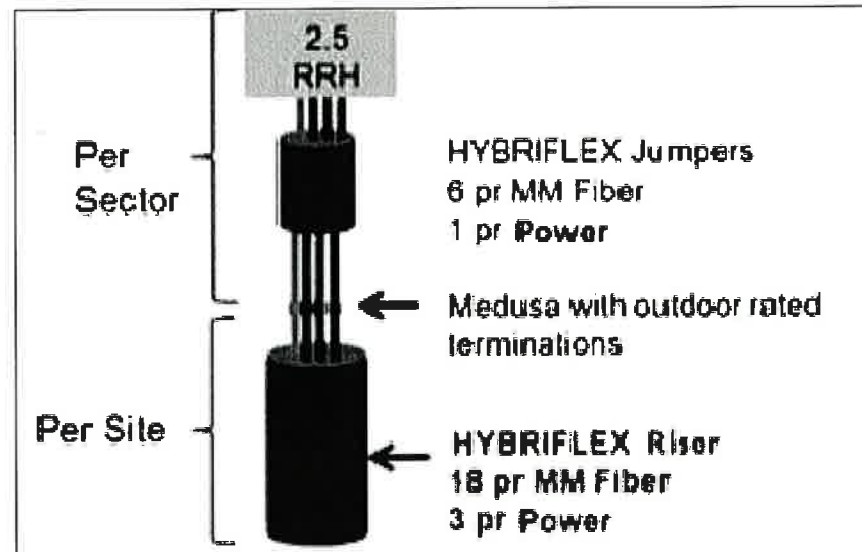
A-6



ALU 2.5 ALU SCENARIO 1



RAN WIRING DIAGRAM



RF 2.5 ALU SCENARIO 1



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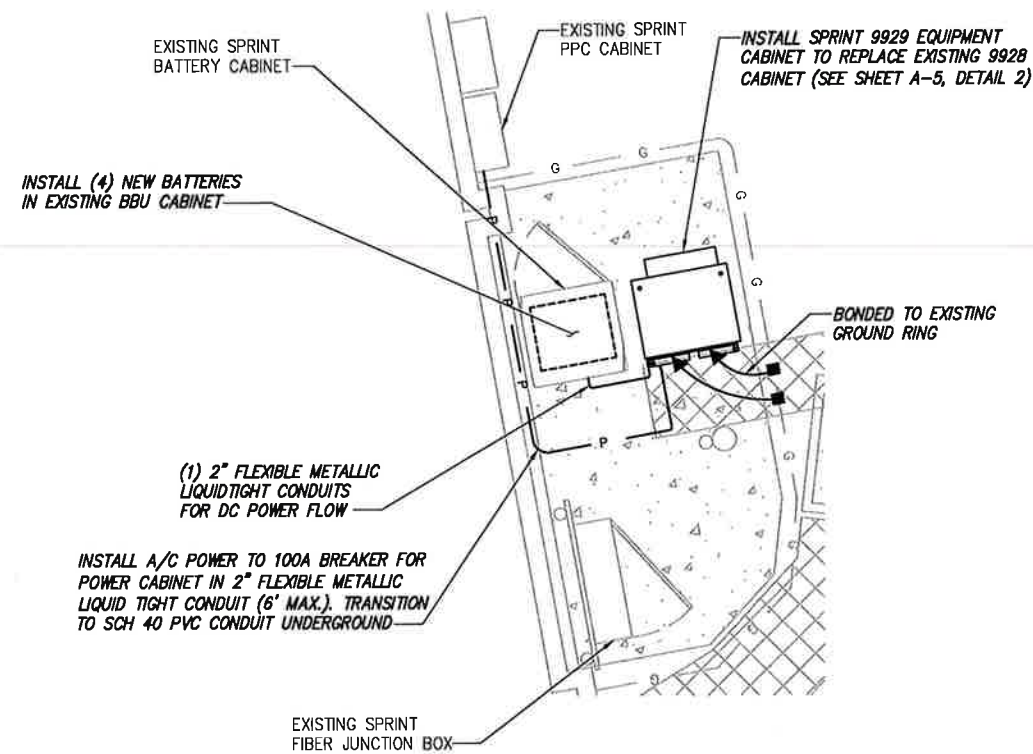
CT54XC784

284-310 PRESTIGE PARK RD
EAST HARTFORD, CT 06108

PLUMBING DIAGRAM

A-7

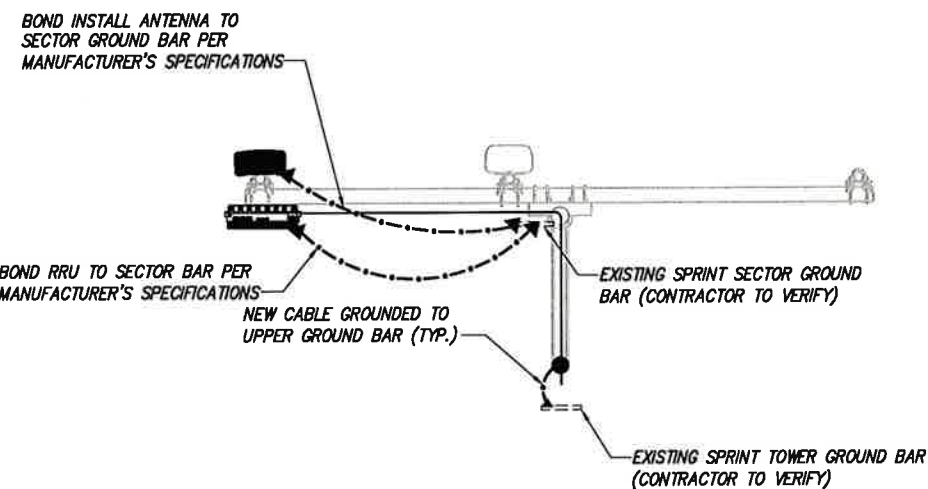
NOTE:
CONTRACTOR IS TO ENSURE THE
INSTALLATION INSTRUCTIONS FOR
EACH CABINET ARE FOLLOWED
AND THAT THE MANUFACTURER'S
REQUIREMENTS ARE MET.



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

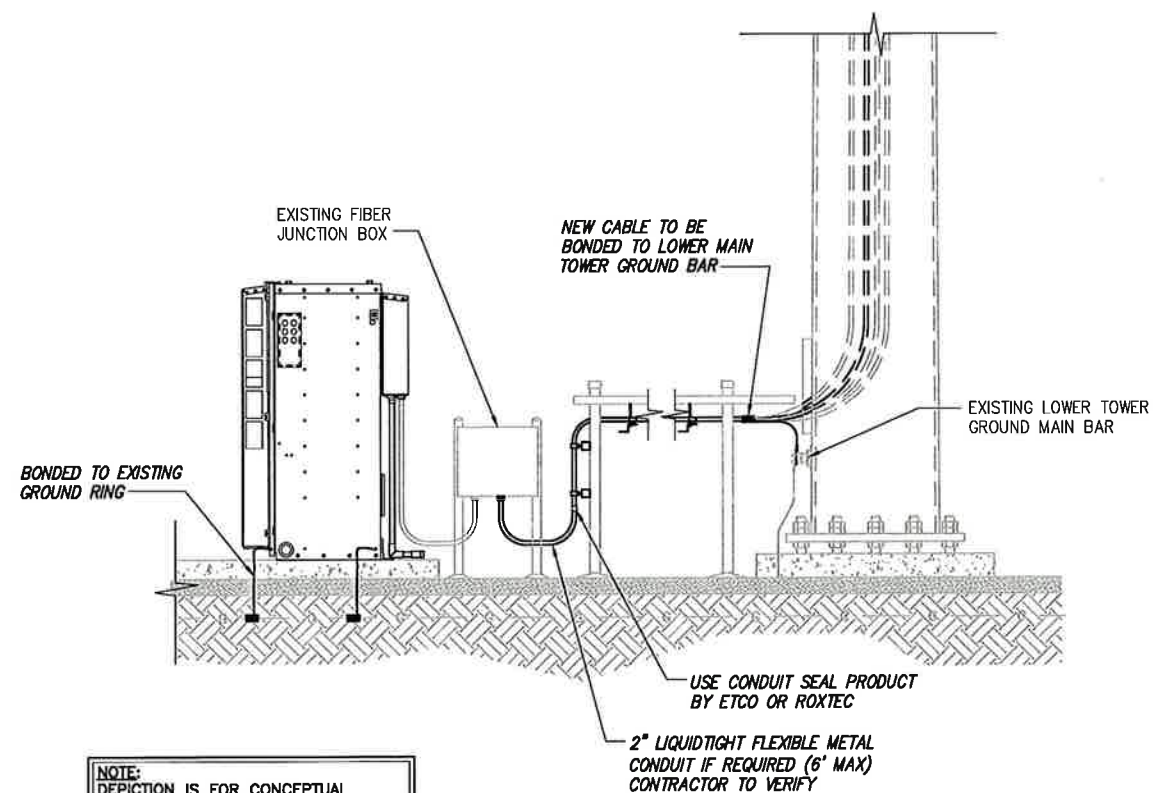
ELECTRICAL AND GROUNDING PLAN

NO SCALE 1



TYPICAL ANTENNA GROUNDING PLAN

NO SCALE 2



NOTE:
DEPICTION IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR IS TO FIELD VERIFY PRIOR TO CONSTRUCTION

TYPICAL EQUIPMENT GROUNDING PLAN (ELEVATION)

NO SCALE 3

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

116 HUNTINGTON AVENUE, 11TH FLOOR
BOSTON, MA 02116

ENGINEERING LICENSE:

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SITE NAME:

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SITE CASCADE:

CT54XC784

SITE ADDRESS:

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EAST HARTFORD, CT 06108

SHEET DESCRIPTION:

ELECTRICAL & GROUNDING PLAN

SHEET NUMBER:

E-1



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SITE NAME:
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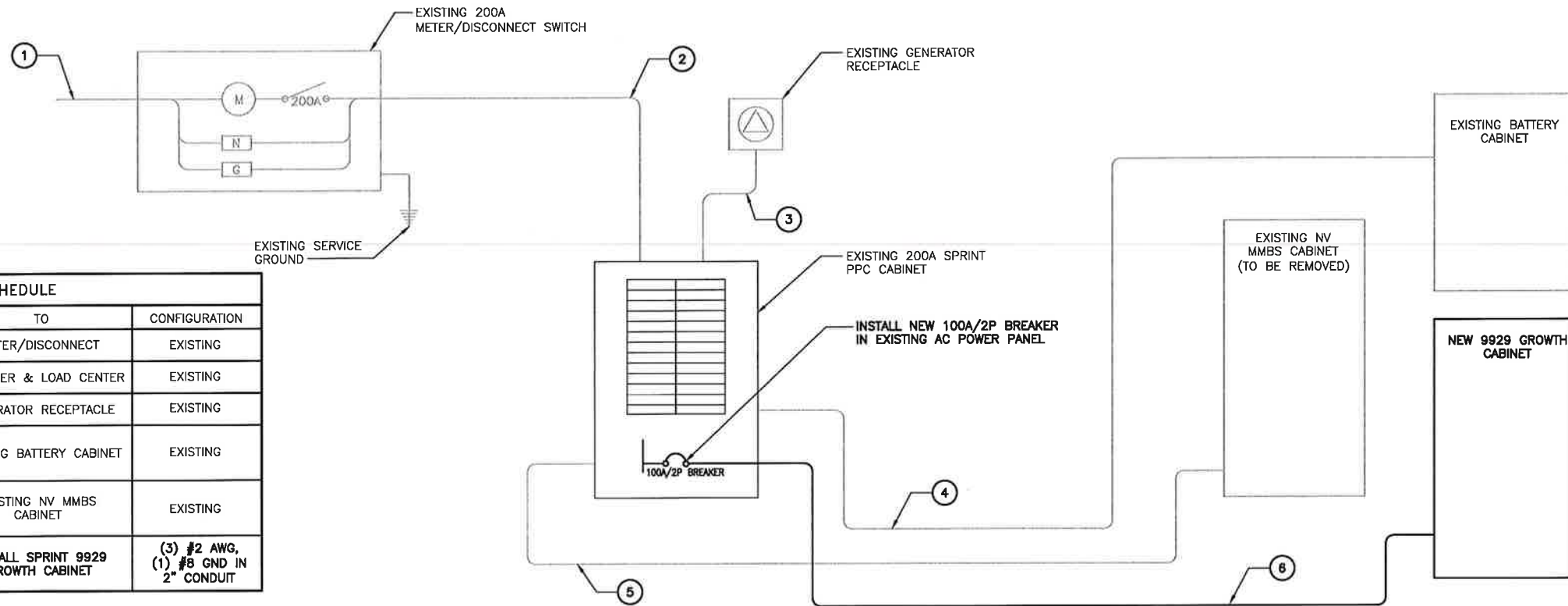
SITE CASCADE:
CT54XC784

SITE ADDRESS:
 284-310 PRESTIGE PARK RD
 EAST HARTFORD, CT 06108

SHEET DESCRIPTION:
ELECTRICAL & GROUNDING DETAILS

SHEET NUMBER:
E-2

NOTES
 GC 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 BATTERY CABINET	EXISTING
5	TRANSFER & LOAD CENTER	EXISTING NV MMBS CABINET	EXISTING
6	TRANSFER & LOAD CENTER	INSTALL SPRINT 9929 GROWTH CABINET	(3) #2 AWG, (1) #8 GND IN 2" CONDUIT

ELECTRICAL ONE-LINE DIAGRAM

NO SCALE 1

NOTE:
 INFINIGY ENGINEERING HAS NOT CONDUCTED AN ELECTRICAL LOAD STUDY FOR THIS SITE. CONTRACTOR IS TO VERIFY EXISTING ELECTRICAL LOADS PRIOR TO CONSTRUCTION TO ENSURE THERE IS AMPLE SERVICE AVAILABLE TO ACCOMMODATE THE EXISTING AND PROPOSED EQUIPMENT.

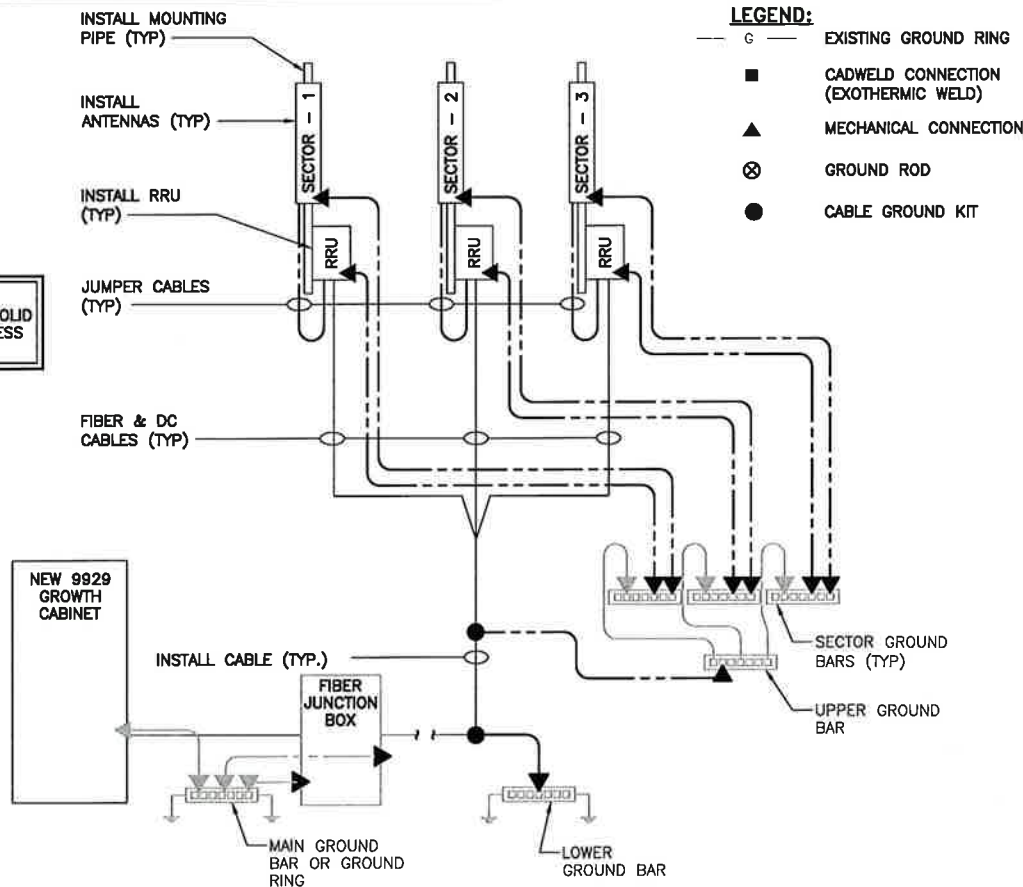
120/240V, 1 PHASE, 3W 200A BUS, 10 KAIC											
CKT NO.	CKT BKR		DESCRIPTION	LOAD (WATTS)				DESCRIPTION	CKT BKR		CKT NO.
	AMPS	POLES		L1	L2	LCL	L2		L1	POLES	
1			N.V. MMBS	6000			100		2	60	2
3	100	2			6000						4
5	100	2	GROWTH CABINET	TBD	TBD						6
7											8
9							180		1	15	10
11	15	1	TELCO FAN	180							12
PHASE TOTALS (WATTS)				TBD*	TBD*	TBD*	TBD*				
TOTAL CONNECTED (WATTS)				TBD*	TBD*	* - INSUFFICIENT FIELD DATA TO SHOW SITE-SPECIFIC INFORMATION					
PHASE BALANCE				TBD*	TBD*						
TOTAL AMPS PER PHASE (AMPS)				TBD*	TBD*						
TOTAL LOAD (AMPS)				TBD*							

BREAKER PANEL SCHEDULE

NO SCALE

2

NOTE:
 USE #6 AWG BARE SOLID TINNED COPPER UNLESS NOTED OTHERWISE



GROUNDING RISER DIAGRAM

NO SCALE

3

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ISSUED FOR CONSTRUCTION		2/13/14	AHS	0

SITE NAME:
E H F R - PRESTIGE PARK

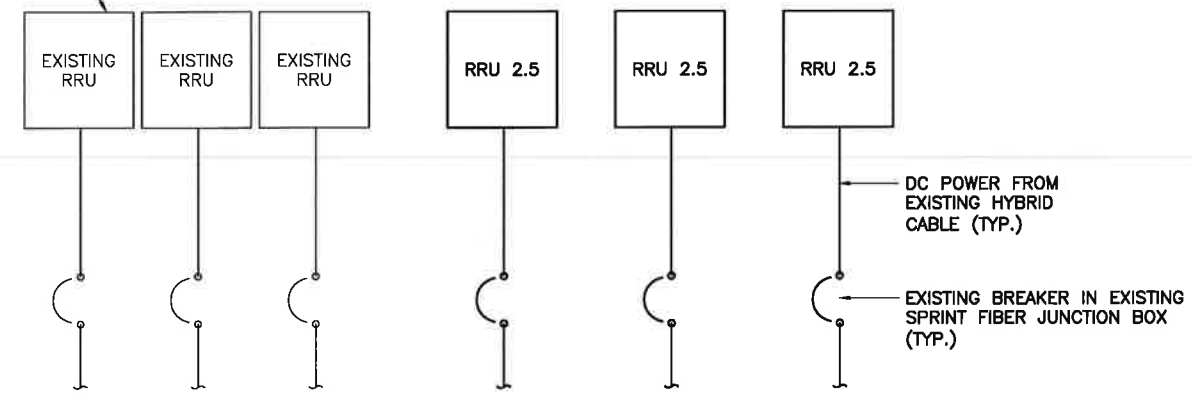
SITE CASCADE:
CT54XC784

SITE ADDRESS:
 284-310 PRESTIGE PARK RD
 EAST HARTFORD, CT 06108

SHEET DESCRIPTION:
ELECTRICAL & GROUNDING DETAILS

SHEET NUMBER:
E-3

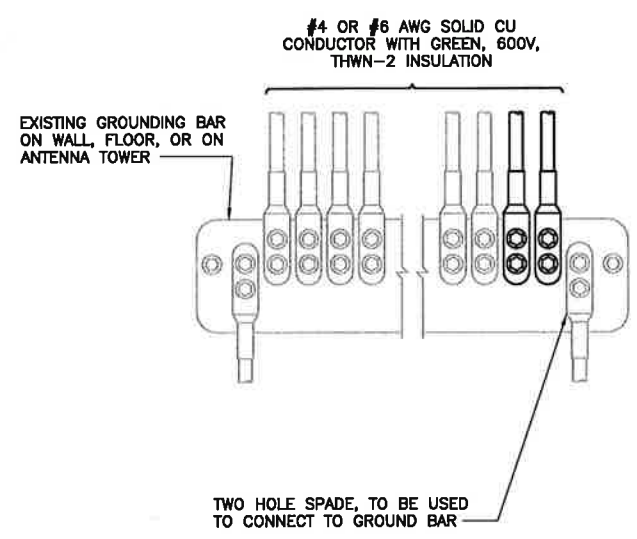
(9) TOTAL EXISTING
 3 SHOWN FOR CLARITY



NOTES:
 * CONTRACTOR TO UPGRADE DC BREAKERS AS REQUIRED PER RRU EQUIPMENT SPECIFICATIONS

DC ONE LINE DIAGRAM

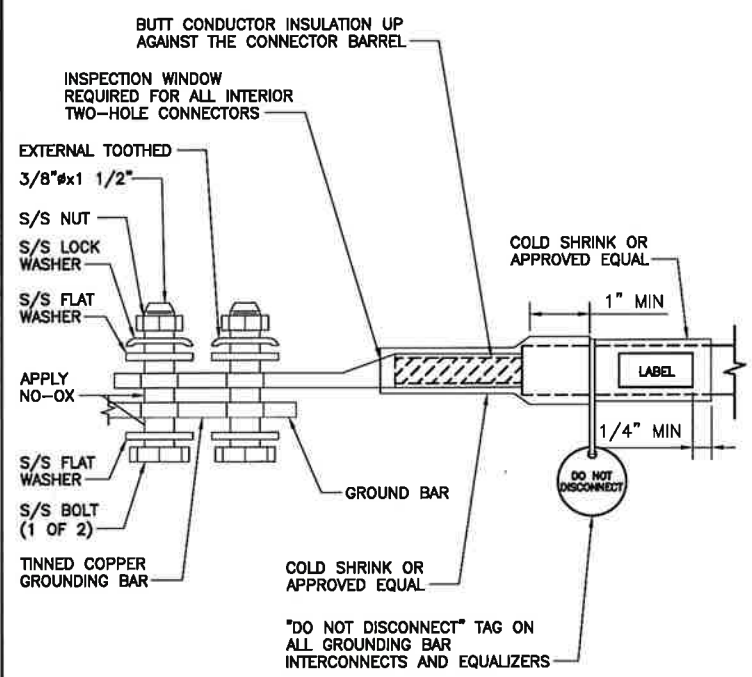
NO SCALE 1



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.

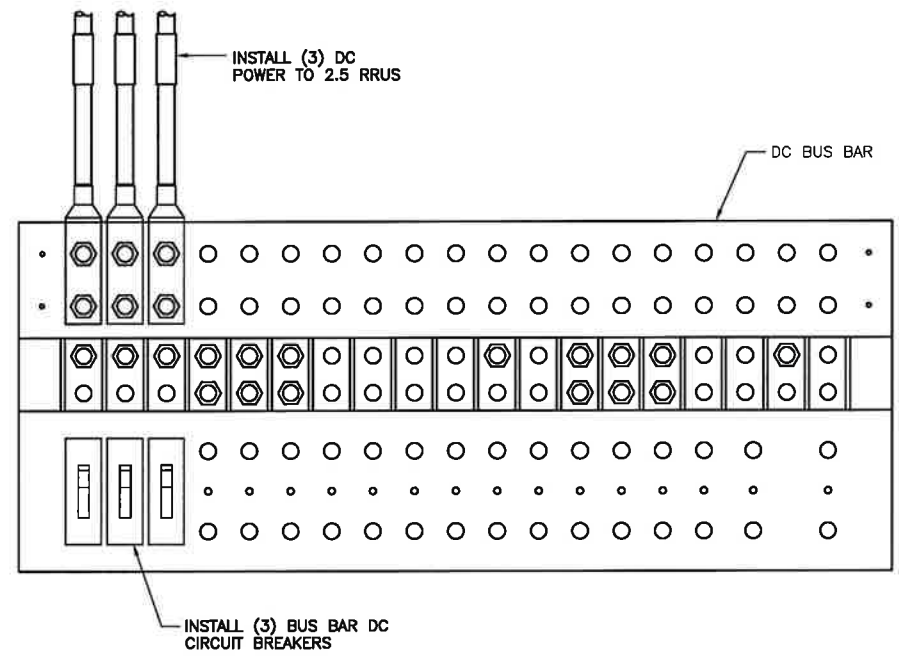
INSTALLATION OF GROUNDING CONDUCTOR TO GROUNDING BAR

NO SCALE 2



TWO HOLE LUG

NO SCALE 3



TYPICAL SHOWN (DETAIL IS FOR CONCEPTUAL PURPOSES ONLY, CONTRACTOR TO CONFIRM PRIOR TO CONSTRUCTION)

DC POWER DISTRIBUTION

NO SCALE 4